

EXHIBIT 11
(FILED UNDER SEAL)

EXHIBIT 12

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UNITED STATES DISTRICT COURT
FOR THE DISTRICT OF COLUMBIA

 AMERICAN SOCIETY FOR TESTING AND) Case No.
 MATERIALS d/b/a ASTM INTERNATIONAL;) 1:13-cv-01215-EGS
 NATIONAL FIRE PROTECTION)
 ASSOCIATION, INC.; and)
 AMERICAN SOCIETY OF HEATING,)
 REFRIGERATING, AND)
 AIR-CONDITIONING ENGINEERS, INC.,)
 Plaintiffs,)
 vs.)
 PUBLIC.RESOURCE.ORG, INC.,)
 Defendant.)
 -----)
 AND RELATED COUNTERCLAIMS.)
 -----)

RULE 30(B)(6) VIDEOTAPED DEPOSITION OF AMERICAN
SOCIETY OF HEATING, REFRIGERATING, AND AIR-CONDITIONING
ENGINEERS, INC.

BY AND THROUGH ITS DESIGNEE,

STEPHANIE REINICHE

MONDAY, MARCH 30, 2015
9:10 a.m.

VERITEXT LEGAL SOLUTIONS
1075 PEACHTREE STREET
SUITE 3625
ATLANTA, GEORGIA

Reported By:
SHARON A. GABRIELLI, CCR B-2002
Job No. 2035289

1 A I moved from Michigan to Georgia. 09:21
2 Q And what was your first job that you took 09:29
3 once you moved to Georgia? 09:23
4 A ASHRAE. 09:25
5 Q Okay. Did you move to Georgia to work at 09:26
6 ASHRAE? 09:28
7 A No. 09:29
8 Q Okay. And when was it that you started 09:29
9 working at ASHRAE? 09:21
10 A November 2003. 09:23
11 Q Okay. How was it that you came to start 09:23
12 working at ASHRAE? 09:24
13 A I applied online. I -- I saw a job posting, 09:27
14 at that time it was for a procedures administrator, and 09:21
15 I submitted a résumé. 09:23
16 Q Had you ever heard of ASHRAE before that 09:21
17 point? 09:23
18 A No. 09:23
19 Q Were you familiar with the air-conditioning, 09:24
20 heating and cooling industry prior to that point? 09:26
21 A No. 09:21
22 Q What was it that made you qualified for the 09:22
23 job at ASHRAE? 09:26
24 A I suppose because it was -- at that time, it 09:20
25 was about procedures and process, and so just legal 09:23

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1 background and ability to -- to write and things like 09:27
2 that. 09:29
3 Q And what -- how long were you a procedures 09:24
4 administrator at ASHRAE for? 09:20
5 A I want to say until December 2004. 09:27
6 Q And were you promoted at that time? 09:24
7 A Yes. 09:25
8 Q And what was -- what position were you 09:26
9 promoted to? 09:29
10 A Standards administrator. 09:20
11 Q And how long did you hold the title of 09:26
12 standards administrator for? 09:22
13 A I think it was about three years. 09:24
14 Q And were you promoted after three years? 09:21
15 A Yes. 09:23
16 Q And what title were you promoted to? 09:24
17 A Assistant manager of standards 09:27
18 administration. 09:28
19 Q And how long did you hold that position for? 09:27
20 A A year or two. 09:20
21 Q And were you promoted again after that point? 09:26
22 A Yes. 09:29
23 Q And what title were you promoted to? 09:20
24 A Manager of standards. 09:22
25 Q And how long did you hold that position for? 09:29

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1 A That title, till 2014. 09:21
2 Q And so were you promoted once again in 2014? 09:27
3 A Yes. 09:20
4 Q And what is the title that you were promoted 09:21
5 to? 09:23
6 A Senior manager of standards. 09:24
7 Q And is that the title that you hold today? 09:21
8 A Yes. 09:24
9 Q Okay. And do you have any other roles at 09:24
10 ASHRAE, other than senior manager of standards? 09:24
11 A No. 09:29
12 Q Have you served on any of the committees in 09:29
13 ASHRAE? 09:21
14 A No. 09:23
15 Q Have you -- what involvement in the design of 09:24
16 standards have you played? 09:21
17 A I oversee the development of all the 09:23
18 standards at ASHRAE. 09:26
19 Q And what does that involve? 09:26
20 A It involves a lot of things. It involves 09:27
21 reviewing all the documentation for membership, 09:22
22 overseeing the documentation for public reviews, could 09:27
23 be change proposals, could be minutes, the publication 09:24
24 drafts, editing and reviewing those, working with the 09:20
25 appeals. 09:27

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1 Q And when you say you oversee the 09:25
2 documentation for membership and for public reviews and 09:29
3 change proposals and publication drafts, what does that 09:23
4 entail? 09:26
5 A It can entail -- well, making sure that the 09:28
6 document for membership, that the documentation is all 09:22
7 complete, meaning every -- all the, you know, parts are 09:25
8 filled out, everything is properly signed. And it 09:29
9 could involve talking with the chairs of project 09:23
10 committees to help them make sure their committee is 09:29
11 balanced. 09:24
12 Q What do you mean by making sure the project 09:27
13 committees are balanced? 09:20
14 A Under our ANSI rules, our committees have to 09:22
15 be balanced, meaning for nonsafety standards, no more 09:25
16 than 50 percent of the people can be in any one 09:29
17 interest category; and for safety standards, no more 09:23
18 than one-third in each interest category. 09:26
19 Q And what is an interest category? 09:22
20 A It's -- it describes the -- the role a person 09:25
21 plays typically in their job or their duties that 09:22
22 they're doing, and that shows their bias for that 09:25
23 particular standard that's being developed. 09:20
24 Q Could you list for me the interest 09:27
25 categories? 09:29

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1 A For which standard? 09:21
2 Q So the interest categories are different for 09:23
3 particular standards? 09:25
4 A They can be, yes. 09:26
5 Q Okay. Do you know the -- off the top of your 09:27
6 head the interest categories for the 90.1 standards? 09:20
7 A I can list some of them, but I would have to 09:26
8 look at a roster to verify they're all correct. 09:28
9 Q Okay. 09:22
10 A There's compliance, industry, utility, 09:22
11 general, and I think user. 09:21
12 Q And what does -- what are the -- those 09:27
13 categories? Excuse me, let me rephrase. 09:25
14 What -- what kind of a person would a -- 09:29
15 would fall into the compliance category? 09:22
16 A I would need to look at the application that 09:26
17 shows the definition to give you an exact person, the 09:28
18 exact definition; but for example, somebody that's 09:22
19 involved in codes would be a compliance person. 09:26
20 Q When you say someone who's involved in codes, 09:20
21 like what -- what kind of role do you mean by that? 09:24
22 A A code official. 09:27
23 Q A code -- 09:29
24 A A building code person; that type of person. 09:20
25 Q Would that be something like a regulator? 09:23

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1 A Could be. 09:26
2 Q Okay. So that would -- that would encompass 09:27
3 somebody in a government position, then, would be under 09:21
4 compliance? 09:27
5 MR. CUNNINGHAM: Object to form. 09:28
6 THE WITNESS: I would have to look at 09:29
7 the roster to see how a government employee 09:20
8 would be listed. It depends on where they 09:22
9 work, what they do. Without looking at an 09:26
10 individual, I can't tell you for sure that 09:20
11 they would go under compliance. 09:21
12 Q (BY MR. BECKER) Okay. What other categories 09:24
13 could a government official go under, other than 09:25
14 compliance? 09:28
15 A Depending on the -- it depends on what the 09:29
16 definition is. I really probably should look at the 09:21
17 definitions to tell you for sure. 09:24
18 Q And where would the definitions be found? 09:25
19 A The definitions would be as part of the 09:28
20 application. 09:20
21 Q The membership application? 09:21
22 A Yes, sir. 09:22
23 Q You also said that one of your jobs is to 09:21
24 make sure that documentation is complete. What does 09:24
25 that involve? 09:27

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1 A For which part of the process? After 09:29
2 membership? 09:22
3 Q Let's talk about membership applications. 09:23
4 A So for membership applications, there is an 09:27
5 application form that would list the -- you know, what 09:20
6 project committee they're applying for, their name, 09:24
7 what interest category they believe they should be 09:27
8 categorized. And then they would have -- then there is 09:33
9 a signature at the bottom and their voting status, what 09:35
10 they would like to be on that committee. 09:39
11 There's a bias/conflict of interest form, 09:32
12 which gives background on where they've worked for the 09:36
13 last five years, other organizations that they've been 09:30
14 involved with, who pays their way to participate, and 09:34
15 any public statements they would have made in regards 09:38
16 to the particular standard they're applying for, and 09:31
17 that, too, is signed. 09:34
18 And then there's a biographical record that 09:36
19 is done through the ASHRAE website which gives their 09:38
20 background, like where they -- you know, their degrees 09:33
21 and things like that, whether -- other committees 09:38
22 they've been involved in within ASHRAE, awards; things 09:31
23 like that. 09:36
24 Q Are you the person who makes sure that all of 09:36
25 these fields are filled out? 09:39

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1 A I have a staff person that does that, but 09:31
2 then they are reviewed by another committee. And when 09:32
3 there's a question, then I'm the one that helps work 09:35
4 with that. 09:39
5 Q And what is the name of the staff person who 09:30
6 checks these forms? 09:32
7 A It's varied over the years. 09:35
8 Q What is the name of the person today? 09:37
9 A Katrina Shingles. 09:30
10 Q And is there -- does Katrina Shingles have a 09:36
11 specific position? 09:31
12 A She's a secretary. 09:32
13 Q Is there a specific position for the person 09:38
14 who has always checked the -- the forms? 09:32
15 A It's been a secretary or an administrative 09:37
16 assistant. 09:30
17 Q And you said there's also a committee that 09:37
18 looks over that? 09:39
19 A Yes. There's a staff liaison, and then there 09:30
20 is -- in addition to that, and then there is -- 09:34
21 depending -- the process has changed slightly. There 09:37
22 could be up to two oversight committees. 09:30
23 Q And you said that the process has changed. 09:33
24 When did the process change? 09:37
25 A This year. 09:30

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1 A Not exactly. A -- a standard could become a 10:03
2 code, because 90.1 is a standard and it could be the 10:05
3 code. It depends on whoever is wanting to make the 10:08
4 code -- or make the rule. 10:01
5 Q And what does the policy, procedures and 10:04
6 interpretation subcommittee do? 10:08
7 A They review proposals for new projects, new 10:09
8 standards or guideline projects to be developed by 10:04
9 ASHRAE. They are the body that reviews any proposed 10:07
10 changes to any of the procedures related to standards 10:01
11 and interprets the -- any of our rules. 10:05
12 And then the other thing is they form 10:01
13 interpretation sub -- interpretation committees when an 10:04
14 interpretation request is submitted on a standard that 10:07
15 we don't have a standing standard project committee 10:09
16 for. 10:02
17 Q I'm sorry, just to back up a moment. Do you 10:09
18 know how it is that standards become codes? 10:03
19 MR. CUNNINGHAM: Object to form. 10:00
20 THE WITNESS: It -- either they're 10:02
21 proposed into a code and the code accepts 10:05
22 them, or a local jurisdiction decides to use 10:07
23 a standard and that's -- and use that as 10:02
24 their code. 10:04
25 Q (BY MR. BECKER) And when you say "they're 10:08
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1 proposed into a code and the code accepts them," do you 10:00
2 mean that a -- that something like NFPA might make a 10:02
3 code, and they're proposed into that code that NFPA has 10:08
4 made? 10:02
5 A So NFPA references 90.1, and that becomes 10:03
6 part of whatever -- I can't remember the number of the 10:06
7 NFPA code that references 90.1, but that becomes part 10:09
8 of that code. If they -- through their process, it 10:02
9 gets accepted. 10:08
10 Q And what does the international liaison or 10:04
11 intersociety subcommittee do? 10:08
12 A They're dealing with relationships between us 10:00
13 and sometimes other standards developers, but the 10:02
14 majority of their work is in the -- is in the oversight 10:06
15 of the development of international standards. 10:10
16 Q What involvement does ASHRAE have in the 10:15
17 development of international standards? 10:17
18 A We are the secretariat for several of the 10:19
19 international standards organization technical 10:15
20 committees. We are also the secretariat for the U.S. 10:18
21 TAG, which is the technical advisory groups within the 10:11
22 U.S. 10:16
23 Q And, finally, you mentioned the executive 10:11
24 committee. What does the executive committee do? 10:13
25 A That is the -- the chairs of each of the 10:15
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1 subcommittees, the chair and the vice chair standards 10:18
2 committee and the board -- the board ExO to standards. 10:12
3 And then I'm the staff liaison for that group, other 10:18
4 staff attend, but they -- they just talk about the 10:12
5 issues about the subcommittees and then, you know, 10:15
6 strategic planning; that type of thing. 10:18
7 Q So the committee members that are part of the 10:14
8 standards committee, are these all ASHRAE employees? 10:18
9 A No. 10:11
10 Q Are any of them ASHRAE employees? 10:13
11 A No, just me as a staff liaison, and then 10:15
12 another staff person that does the minutes. 10:18
13 Q So these are -- are these members of 10:11
14 industry? 10:16
15 A They're -- they're balanced as well. The 10:19
16 board has slightly different interest categories that 10:12
17 they use. There are -- they're members -- they're -- 10:15
18 they are members of ASHRAE, but they're from all over. 10:19
19 MR. CUNNINGHAM: Could I just ask, are 10:13
20 we talking about the project committee here? 10:14
21 Are we talking about the executive committee? 10:16
22 Are we talking about the previous questions? 10:18
23 MR. BECKER: The standards committee as 10:19
24 a whole. 10:10
25 MR. CUNNINGHAM: The standards 10:11
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1 committee. 10:12
2 MR. BECKER: Yeah. 10:13
3 MR. CUNNINGHAM: For a specific 10:13
4 standard? I just wanted to make sure we're 10:14
5 clear here. 10:15
6 Q (BY MR. BECKER) How many standards 10:11
7 committees are there? 10:12
8 A There's project committees, and those overdo 10:13
9 the standards, but the standards committee is one. 10:17
10 Q There's just one standards committee? 10:19
11 A With the -- right, with the subcommittees. 10:11
12 Q And what's the difference between the 10:17
13 projects committees and the standards committees? 10:19
14 A A project committee is the one that is -- is 10:11
15 the group that's responsible for writing the standard. 10:13
16 Standards committee is an over -- oversight committee. 10:18
17 THE COURT REPORTER: "Is an oversight"? 10:15
18 THE WITNESS: Yes. 10:19
19 Q (BY MR. BECKER) And are any ASHRAE employees 10:13
20 members of the project committees? 10:16
21 A No. 10:18
22 Q Are the members of the project committees 10:13
23 people from various interest categories -- 10:19
24 A Yes. 10:13
25 Q -- as you had defined previously? 10:13
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<p>1 A Yes. 10:16 2 Q And are the project committee membership -- 10:16 3 memberships balanced based off of those interest 10:11 4 categories? 10:14 5 A Yes. Whatever interest categories the 10:16 6 project committee has, then they're balanced based on 10:18 7 the number of project committees. That doesn't mean, 10:12 8 you know, if there's 30 people and you have five 10:14 9 interest categories, there's six in each. It means no 10:17 10 more than 50 percent in one interest -- interest 10:14 11 category. 10:17 12 Q So why is it that these people who are not 10:13 13 ASHRAE employees participate in the project committees? 10:10 14 MR. CUNNINGHAM: Object to form. 10:16 15 THE WITNESS: I would say because either 10:18 16 they really like that topic, it may affect -- 10:10 17 you know, it may be because it affects 10:14 18 something that they do in their business. 10:16 19 They may be in the -- in the code arena and 10:18 20 they want to make sure it's written so that 10:13 21 you can adopt it in code. It could be a 10:16 22 number of reasons why they choose to 10:18 23 participate. 10:10 24 Q (BY MR. BECKER) And why is it that they'd 10:16 25 want to participate for a standard that would be 10:18</p> <p style="text-align: right;">Page 50</p>	<p>1 this when we first tried to -- started trying 10:15 2 to schedule my deposition. I'm guessing 10:19 3 February. 10:11 4 Q (BY MR. BECKER) And have you reviewed the 10:14 5 topics of examination that's starting on page 4? 10:16 6 A Yes. 10:13 7 Q And you're aware that you are here as a 10:17 8 30(b)(6) designee for ASHRAE with regards to particular 10:19 9 topics of examination? 10:16 10 A Yes. 10:17 11 Q And that means that -- that you are expected 10:17 12 to prepare and be knowledgeable as to those particular 10:10 13 topics, correct? 10:13 14 A Yes. 10:14 15 Q And those topics are, topic number 1, "The 10:16 16 process and activities of developing the works at 10:11 17 issue, including participation of government and 10:14 18 private sector personnel in standards development." 10:17 19 A Yes. 10:10 20 Q And did you prepare for that topic? 10:11 21 A Yes. 10:13 22 Q And have you been using your knowledge of 10:17 23 that topic in the answers that you had given me earlier 10:19 24 today concerning the standards committee and project 10:13 25 committee? 10:18</p> <p style="text-align: right;">Page 52</p>
<p>1 adopted into code? 10:12 2 MR. CUNNINGHAM: Object to form. 10:14 3 THE WITNESS: My -- my guess would be 10:17 4 that, you know, it's going to affect their -- 10:18 5 their business somehow or the -- you know, or 10:12 6 the jurisdiction in which they work. 10:16 7 Q (BY MR. BECKER) Ms. Reiniche, I'm handing 10:12 8 you what's been previously marked as Exhibit 1076. 10:13 9 This is Defendant Public.Resource.Org's Amended Notice 10:19 10 of Rule 30(b)(6) Deposition of American Society of 10:13 11 Heating, Refrigeration, and Air-Conditioning Engineers, 10:18 12 Inc. And this document had been previously introduced 10:18 13 in Mr. Comstock's deposition. 10:13 14 A Okay. 10:16 15 Q Have you seen this document before, 10:17 16 Ms. Reiniche -- excuse me, Ms. Reiniche? 10:19 17 A Yes. 10:18 18 Q And when did you first see this document 10:16 19 before, to your recollection? 10:10 20 MR. CUNNINGHAM: So I'm -- Matt, this 10:11 21 question is obviously fine, but I just want 10:13 22 to caution the witness to not go into the 10:15 23 substance of any communications that may have 10:18 24 occurred between you and counsel. 10:13 25 THE WITNESS: I probably would have seen 10:15</p> <p style="text-align: right;">Page 51</p>	<p>1 A Yes. 10:19 2 Q And have you been using your knowledge with 10:11 3 regards to that topic as it applies to the other 10:13 4 answers that you've provided me about the ASHRAE's 10:16 5 operations? 10:19 6 A Yes. 10:10 7 Q And the other topics that you have prepared 10:10 8 for today include topic number 2, correct? 10:12 9 A For the copyright? 10:11 10 Q For topic number 2, "All elements of the 10:12 11 chain of title of copyright ownership, including 10:15 12 copyright authorship and ownership of component parts 10:19 13 of the works at issue in this case"? 10:13 14 A Yes. 10:14 15 Q And you've also prepared for topic number 3, 10:17 16 "The authority of persons executing copyright 10:10 17 assignment forms in favor of you to convey the 10:13 18 copyright rights in their works or expression, 10:17 19 including but not limited to evidence of authority of 10:19 20 employees to assign copyrights they do not own 10:12 21 individually"? 10:15 22 A Yes. 10:16 23 Q On to page 5. You've also prepared for topic 10:13 24 number 6; is that correct? 10:17 25 A Yes. 10:11</p> <p style="text-align: right;">Page 53</p>

1 A Do you mean everyone on the roster, or do you 10:42
2 mean just project committee? 10:45
3 Q For everyone on the roster. 10:40
4 A For -- yes, for everyone on the roster. 10:44
5 Q And so are there people outside of the 10:40
6 project committee that would be contributing text to 10:43
7 Standard 90.1 at that time? 10:46
8 A Yes. 10:48
9 Q And would all of the people who were 10:40
10 contributing text to Standard 90.1 at that time be 10:43
11 listed on these pages of the roster? 10:46
12 A No. 10:48
13 Q So what other people would have been 10:49
14 contributing text to Standard 90.1 at that time? 10:42
15 A Commenters on -- draft goes out for comment 10:46
16 and those who submitted a continuous maintenance change 10:40
17 proposal. 10:43
18 Q And where does -- excuse me. 10:44
19 Does ASHRAE keep lists of commenters? 10:53
20 A We have lists of commenters. For this year, 10:58
21 I don't know, because our record retention policy 10:54
22 wouldn't require us to keep records this far back. 10:56
23 Q What was the ASHRAE's record retention 10:59
24 policy? 10:52
25 A We follow the ANSI policy of keeping records 10:53
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1 back to the last prior revisions. 10:50
2 Q And what is the last prior revision for 10:50
3 Standard 90.1? 10:50
4 A 2013. 10:50
5 Q So does that mean that ASHRAE would not have 10:51
6 records for the 2010 addition of 90.1? 10:51
7 A Not necessarily. We -- if they're 10:51
8 electronic, we probably still have them. There may be 10:51
9 some in paper format that are in Iron Mountain. I 10:51
10 can't guarantee that all the prior stuff is still 10:51
11 there, especially if it's not in electronic format. 10:51
12 Q And what is Iron Mountain? 10:51
13 A It's an off-site storage facility. 10:51
14 Q And does the -- your same answer that you 10:51
15 don't necessarily have records as to the 2007 and 2004 10:51
16 edition of Standard 90.1 also apply? 10:51
17 A That would be correct. Some -- if it's 10:51
18 electronic, then we probably still have it. But if 10:51
19 it's paper, it may or may not still be at Iron 10:51
20 Mountain. 10:51
21 Q At what point would ASHRAE have destroyed 10:52
22 these documents for Standard 20 -- 90.1 2010 edition, 10:52
23 if it had done so? 10:52
24 A If we destroyed it, we could have destroyed 10:52
25 it at the time of 2013 publishing. 10:52
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1 Q And would that have meant that the -- the 10:58
2 records for the 2007 edition of 90.1 would have been 10:52
3 destroyed at the time of the 2010 publishing? 10:59
4 A If they were destroyed, then yes. 10:52
5 Q You had mentioned before the term "continuous 10:59
6 maintenance change." What does that mean? 10:53
7 A Standard 90.1 is on continuous maintenance, 10:56
8 so anyone at any time can propose a change to the 10:59
9 standard. It could be a project committee member or 10:53
10 the public. If it's the public, then there's a 10:56
11 continuous maintenance change proposal form that gets 10:51
12 submitted. 10:54
13 Q And similarly, for the continuous maintenance 10:56
14 change proposal forms, would those also have been 10:51
15 destroyed? 10:54
16 A They could have been destroyed. 10:56
17 Q Who would know whether or not these documents 10:52
18 for the 2010 prior editions of ASHRAE Standard 90.1 10:55
19 were or were not destroyed? 10:50
20 MR. CUNNINGHAM: I'm going to object 10:54
21 that the line of questioning about document 10:56
22 retention policy is outside the scope of the 10:58
23 30(b)(6) topics. 10:52
24 You can answer. 10:54
25 THE WITNESS: Okay. I would -- I -- 10:57
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1 there is a log of files that we keep that are 10:53
2 at Iron Mountain. I have access to those 10:54
3 logs, can find out what's there. I would not 10:54
4 know what was or was not destroyed unless I 10:54
5 brought every single box back from Iron 10:54
6 Mountain, assuming they are all labeled 10:54
7 correctly. 10:54
8 Q (BY MR. BECKER) Ms. Reiniche, looking at 10:54
9 Exhibit 1119 on page 2, where it says that ASHRAE was 10:55
10 ordered to produce lists of project committee members, 10:55
11 does Exhibit 1120 provide that list of project 10:55
12 committee members for Standard 90.1? 10:55
13 MR. CUNNINGHAM: Objection to form. 10:55
14 THE WITNESS: This is only at one point 10:55
15 in time, so this isn't every single one. 10:55
16 This is at one point. 10:55
17 Q (BY MR. BECKER) But would it provide that 10:55
18 for that one point in time? 10:55
19 A Yes. 10:55
20 Q Ms. Reiniche, I'm handing you what has been 10:56
21 marked as Exhibit 1121 -- 10:56
22 A Okay. 10:56
23 Q -- which reads "ASHRAE Roster." Could you 10:56
24 tell me what this is? 10:56
25 A This is the roster that would have been -- 10:56
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<p>1 THE WITNESS: To my knowledge, it is 11:01 2 probably something we keep it's a -- if it 11:04 3 was entered in the database. At the time, we 11:06 4 had the database that tracks them. And 11:09 5 provided there's not an issue with the 11:01 6 database, then it would be kept. 11:04 7 Q (BY MR. BECKER) And what database are you 11:05 8 referring to? 11:06 9 A We have a continuous maintenance change 11:07 10 proposal access database. 11:09 11 Q And do you know when ASHRAE first started 11:02 12 using that database? 11:05 13 A Around 2003. 11:08 14 Q What kind of information does that database 11:04 15 contain? 11:07 16 A What you see in this report, which is the 11:07 17 proposer, the number, proposal date, when it was 11:00 18 received. And then there -- there will be a date that 11:03 19 isn't shown on here that tells when the committee would 11:07 20 have responded so that we can close out the proposal. 11:01 21 Q And does the database also contain the 11:06 22 content of the proposal itself? 11:00 23 A No. 11:02 24 Q Where would someone find the content of the 11:04 25 proposal itself? 11:07</p> <p style="text-align: right;">Page 66</p>	<p>1 A No. 11:07 2 Q Why is that? 11:07 3 A They just aren't using it -- there may have 11:07 4 been one way back when they did everything in paper, 11:07 5 but we don't use a Task Sheet 9 now. 11:07 6 (Exhibit 1133 marked for identification.) 11:08 7 Q (BY MR. BECKER) I'm handing you what's been 11:08 8 marked as Exhibit number 1133. This is Bates number 11:08 9 ASHRAE0002469. Could you tell me what this document 11:08 10 is? 11:08 11 A These are proposals received for continuous 11:08 12 maintenance of ASHRAE Standard 90.1 2004 dated as of 11:08 13 January 4th, 2005. 11:08 14 Q For both Exhibit 1132 and 1133, it appears 11:08 15 that the dates that the proposals were received -- 11:08 16 excuse me, let me say that again. 11:08 17 For Exhibits 1132 and 1133, it appears that 11:08 18 the date of the document in the top right corner is 11:08 19 subsequent to the year of the standard itself; is that 11:09 20 correct? 11:09 21 A You mean -- 11:09 22 Q Let me clarify. For -- for Exhibit 1132, 11:09 23 that exhibit pertains to Standard 90.1 2001, but the 11:09 24 document itself is from January 5th, 2004; is that 11:09 25 correct? 11:09</p> <p style="text-align: right;">Page 68</p>
<p>1 A If it was -- when we were saving 11:09 2 electronically, then there will be a -- what we call a 11:03 3 task sheet that we save on our network drive where 11:06 4 they're saved. And then if not, it's in paper. It 11:09 5 would have been sent to Iron Mountain. 11:03 6 Q And what would be the title of the document 11:06 7 that would have this -- one of these proposals in it? 11:09 8 A On the network drive? 11:05 9 Q Yeah. 11:06 10 MR. CUNNINGHAM: Object to form. 11:09 11 THE WITNESS: It's probably Task Sheet 6 11:01 12 would be the title. 11:05 13 Q (BY MR. BECKER) And what does -- are there 11:06 14 other task sheets? 11:03 15 A Yes. 11:04 16 Q And what are the other task sheets? 11:05 17 A There's a Task Sheet 1 for new projects; Task 11:08 18 Sheet 2 that was membership; Task Sheet 3 is title, 11:02 19 purpose and scope change. I don't believe we have a 4; 11:07 20 a Task Sheet 5, which is public review; Task Sheet 7, 11:02 21 which is publication; and Task Sheet 8, which is 11:07 22 appeals. And Task Sheet 10 might -- there might be a 11:03 23 Task Sheet 10 now. We might have switched the 11:07 24 continuous maintenance to that. 11:01 25 Q Is there a Task Sheet 9? 11:03</p> <p style="text-align: right;">Page 67</p>	<p>1 A That's correct. 11:05 2 Q And why is that? 11:05 3 A That would have been at the one-year mark -- 11:07 4 well, they have 13 months to -- to respond to 11:02 5 continuous maintenance change proposals within a year, 11:05 6 so this would have been printed prior to their January 11:07 7 2004 meeting, because we would want to know what the 11:01 8 status of the continuous maintenance change proposals 11:05 9 were at that time. 11:10 10 Q The proposals that were reflected here, would 11:11 11 those be -- if made effective, would those be made 11:16 12 effective in Standard 90.1 2001 or in a later version? 11:15 13 A A later version. 11:10 14 Q So the proposals reflected in Exhibit 1132, 11:19 15 would those, if they had been enacted, be enacted into 11:13 16 Standard 90.1 2004? 11:18 17 A Yes. 11:10 18 (Exhibit 1134 marked for identification.) 11:12 19 Q (BY MR. BECKER) I'm handing you what's been 11:10 20 marked as Exhibit 1134, Bates number ASHRAE0022821. 11:11 21 Could you tell me what this document is, please? 11:19 22 A This is the form to comment on a public 11:12 23 review draft for an addendum to 90.1 2004. 11:17 24 Q And do you see where it says "Number 2, 11:17 25 copyright release"? 11:10</p> <p style="text-align: right;">Page 69</p>

<p>1 A Yes. 11:12</p> <p>2 Q What is the significance of the copyright 11:12</p> <p>3 release? 11:12</p> <p>4 MR. CUNNINGHAM: Object to form. 11:12</p> <p>5 THE WITNESS: It -- the significance of 11:12</p> <p>6 it is when the commenter submits their 11:12</p> <p>7 comments, they are giving ASHRAE the 11:12</p> <p>8 nonexclusive rights to use whatever material 11:12</p> <p>9 they submit in their comments to change or 11:12</p> <p>10 modify the standard and then ASHRAE owns the 11:12</p> <p>11 copyright, and they don't. 11:12</p> <p>12 MR. BECKER: I'm sorry, Counsel, will 11:12</p> <p>13 you mind elaborating on the reason for your 11:12</p> <p>14 objection? 11:12</p> <p>15 MR. CUNNINGHAM: It calls for a legal 11:12</p> <p>16 conclusion. 11:12</p> <p>17 Q (BY MR. BECKER) Why does ASHRAE include the 11:12</p> <p>18 copyright release in this document? 11:12</p> <p>19 MR. CUNNINGHAM: Object to form. 11:12</p> <p>20 THE WITNESS: We include it so that we 11:12</p> <p>21 can include the material in -- in the 11:12</p> <p>22 document that they're commenting on without 11:12</p> <p>23 having to get copyright permission; because 11:13</p> <p>24 they're giving it, we don't have to go back. 11:13</p> <p>25 They're giving it when they sign it. 11:13</p> <p style="text-align: right;">Page 70</p>	<p>1 A This is a document to submit a continuous 11:11</p> <p>2 maintenance change proposal. 11:16</p> <p>3 Q Does this document contain a copyright 11:10</p> <p>4 release as well? 11:14</p> <p>5 A Yes. 11:15</p> <p>6 Q Could you please mark on the page where the 11:12</p> <p>7 copyright release is? 11:16</p> <p>8 (Witness complied with the request of counsel.) 11:13</p> <p>9 A There's two spots. 11:13</p> <p>10 MR. CUNNINGHAM: I'm going to go ahead 11:15</p> <p>11 and object again to form here, Matt. 11:19</p> <p>12 Q (BY MR. BECKER) And those two spots you've 11:18</p> <p>13 marked with a number 1 and number 2; is that correct? 11:19</p> <p>14 A That's correct. 11:12</p> <p>15 Q Why does ASHRAE use two copyright releases on 11:12</p> <p>16 this form? 11:19</p> <p>17 MR. CUNNINGHAM: Object to form. 11:10</p> <p>18 THE WITNESS: Actually, I think we 11:11</p> <p>19 allowed it so they could either sign it and 11:11</p> <p>20 send it in or they could put an electronic 11:14</p> <p>21 signature in. I just think there's a 11:17</p> <p>22 signature line that we missed when we made 11:18</p> <p>23 the form. 11:10</p> <p>24 Q (BY MR. BECKER) So this form should have 11:13</p> <p>25 a -- a signature line below the first copyright 11:14</p> <p style="text-align: right;">Page 72</p>
<p>1 Q (BY MR. BECKER) Does ASHRAE believe that it 11:10</p> <p>2 owns the copyright if somebody signs this form? 11:11</p> <p>3 A Yes. 11:16</p> <p>4 Q Would ASHRAE accept a form like this if it 11:12</p> <p>5 had not been signed and dated? 11:16</p> <p>6 A No. 11:18</p> <p>7 Q Do you know of any instance in which ASHRAE 11:11</p> <p>8 has accepted a form like this if it has not been signed 11:14</p> <p>9 and dated? 11:17</p> <p>10 A No. 11:18</p> <p>11 Q Do you have any reason to believe that this 11:11</p> <p>12 document produced by ASHRAE is not an authentic 11:13</p> <p>13 document? 11:16</p> <p>14 A No. 11:16</p> <p>15 Q And are you familiar with this document 11:11</p> <p>16 through your work at ASHRAE? 11:13</p> <p>17 A Yes. 11:16</p> <p>18 Q Is this one of the documents that you review? 11:19</p> <p>19 A Yes. 11:13</p> <p>20 (Exhibit 1135 marked for identification.) 11:16</p> <p>21 Q (BY MR. BECKER) I'm handing you what has 11:19</p> <p>22 been marked as Exhibit 1135, Bates number 11:12</p> <p>23 ASHRAE0022819. Do you recognize this document? 11:15</p> <p>24 A Yes. 11:19</p> <p>25 Q And what is this document? 11:19</p> <p style="text-align: right;">Page 71</p>	<p>1 release, but it does not? 11:10</p> <p>2 A Correct. 11:11</p> <p>3 Q And if this form were printed out and sent to 11:13</p> <p>4 ASHRAE, would ASHRAE reject it if someone had not 11:19</p> <p>5 signed below the first copyright release? 11:13</p> <p>6 A On this one, we would have allowed either the 11:17</p> <p>7 electronic signature if they printed it with the 11:10</p> <p>8 electronic or if they had signed it, because the 11:11</p> <p>9 language was the same. 11:14</p> <p>10 Q Would ASHRAE accept this document if someone 11:19</p> <p>11 had not typed in their name where it says "I, insert 11:14</p> <p>12 name"? 11:10</p> <p>13 A If -- if they did not sign it and did not 11:10</p> <p>14 insert their name, we would not accept it. 11:13</p> <p>15 Q Comparing documents Exhibits 1134 and 1135, 11:17</p> <p>16 is the copyright release in 1134 the same as the 11:12</p> <p>17 copyright release -- the first copyright release in 11:10</p> <p>18 1135? 11:13</p> <p>19 A There is missing -- oh, no, I just can't read 11:10</p> <p>20 right. No, they're the same. 11:17</p> <p>21 Q And comparing the first and second copyright 11:12</p> <p>22 release in 1135, can you say what the differences 11:16</p> <p>23 between those two are? 11:10</p> <p>24 MR. CUNNINGHAM: I'm just going to 11:11</p> <p>25 object. Matt, I think the document speaks 11:12</p> <p style="text-align: right;">Page 73</p>

<p>1 for itself here. 11:14</p> <p>2 THE WITNESS: The -- the only difference 11:11</p> <p>3 is one we allow electronic signature, and the 11:12</p> <p>4 other is just a hand -- is a handwritten 11:15</p> <p>5 signature. 11:10</p> <p>6 Q (BY MR. BECKER) Thank you. 11:11</p> <p>7 (Exhibit 1136 marked for identification.) 11:14</p> <p>8 Q (BY MR. BECKER) I'm handing you what's been 11:12</p> <p>9 marked as Exhibit 1136, Bates number ASHRAE0022823. Do 11:14</p> <p>10 you recognize this document? 11:10</p> <p>11 A Yes. 11:12</p> <p>12 Q And what is this document? 11:13</p> <p>13 A This is the -- the form to comment on a 11:14</p> <p>14 public review draft standard guideline or addendum. 11:17</p> <p>15 THE COURT REPORTER: Can we go off the 11:10</p> <p>16 record a second? 11:14</p> <p>17 THE VIDEOGRAPHER: Going off the record 11:17</p> <p>18 at 11:19. 11:18</p> <p>19 (Recess taken.) 11:27</p> <p>20 THE VIDEOGRAPHER: Going on the record 11:28</p> <p>21 at 11:22. 11:28</p> <p>22 Q (BY MR. BECKER) Ms. Reiniche, looking again 11:26</p> <p>23 on -- at Exhibit 1136, if you look at the second page 11:26</p> <p>24 of the exhibit, could you tell me what the significance 11:22</p> <p>25 of the date on the second page is? 11:27</p> <p style="text-align: right;">Page 74</p>	<p>1 Q 1136. 11:22</p> <p>2 A Yes. 11:25</p> <p>3 Q And which is the same as the copyright 11:26</p> <p>4 releases on Exhibit 1135; is that correct? 11:20</p> <p>5 A That's correct. 11:25</p> <p>6 Q And Exhibit 1137 says that it was revised on 11:21</p> <p>7 January 30th, 2006 on the back of the document; is that 11:26</p> <p>8 correct? 11:20</p> <p>9 A That's correct. 11:21</p> <p>10 (Exhibit 1138 marked for identification.) 11:28</p> <p>11 Q (BY MR. BECKER) Ms. Reiniche, I'm handing 11:27</p> <p>12 you what's been marked as Exhibit 1138, Bates number 11:27</p> <p>13 ASHRAE0022820. Do you recognize this document? 11:21</p> <p>14 A Yes. 11:26</p> <p>15 Q And what is this document? 11:27</p> <p>16 A This is the form to submit a proposed change 11:28</p> <p>17 to an ASHRAE standard under continuous maintenance. 11:21</p> <p>18 Q And does this document contain the same two 11:27</p> <p>19 copyright releases that were featured in the previous 11:20</p> <p>20 exhibit, 1137? 11:24</p> <p>21 A Yes. 11:29</p> <p>22 Q And at the bottom of the page, does this 11:22</p> <p>23 document show that it was revised on March 9th, 2007? 11:24</p> <p>24 A Yes. 11:25</p> <p>25 (Exhibit 1139 marked for identification.) 11:21</p> <p style="text-align: right;">Page 76</p>
<p>1 A That was when we were -- we must have made a 11:23</p> <p>2 revision. So if we changed anything, even if it's one 11:23</p> <p>3 word, we put a new revision date on a form. 11:23</p> <p>4 Q And returning to Exhibit 1135, is that also 11:23</p> <p>5 what "revised 1/30/2006" means at the bottom of that 11:23</p> <p>6 document? 11:23</p> <p>7 A Yes. 11:23</p> <p>8 Q And returning to Exhibit 1134 at the back of 11:23</p> <p>9 that document where it says "REV 03-01-2004," is that 11:23</p> <p>10 also what that date means? 11:23</p> <p>11 A Yes. 11:24</p> <p>12 Q Thank you. 11:24</p> <p>13 (Exhibit 1137 marked for identification.) 11:24</p> <p>14 Q (BY MR. BECKER) Handing you what's been 11:24</p> <p>15 marked as Exhibit 1137. This is ASHRAE Bates number 11:24</p> <p>16 0022825. Do you recognize this document? 11:24</p> <p>17 A Yes. 11:24</p> <p>18 Q And what is this document? 11:24</p> <p>19 A This is a form for commenting on a public 11:24</p> <p>20 review draft to an ASHRAE standard, guideline or 11:24</p> <p>21 addendum. 11:24</p> <p>22 Q And does this document also contain the same 11:24</p> <p>23 copyright release -- excuse me, the same two copyright 11:24</p> <p>24 releases that had appeared on the previous exhibit? 11:24</p> <p>25 A Which one? 11:25</p> <p style="text-align: right;">Page 75</p>	<p>1 Q (BY MR. BECKER) I'm handing you what's been 11:26</p> <p>2 marked as Exhibit 1139. This is Bates number 11:26</p> <p>3 ASHRAE0022814. Do you recognize this document? 11:20</p> <p>4 A Yes. 11:24</p> <p>5 Q Could you tell me what this document is? 11:24</p> <p>6 A This is an Application for Project Committee 11:26</p> <p>7 Organizational Representative Membership form. 11:27</p> <p>8 Q Does this document include a copyright 11:27</p> <p>9 release under section 6? 11:20</p> <p>10 A Yes. 11:22</p> <p>11 Q Apart from referring to ASHRAE standard or 11:24</p> <p>12 guideline project committee, does this copyright 11:20</p> <p>13 release under section 6 of Exhibit 1139 appear the same 11:24</p> <p>14 as the copyright -- the first copyright release in 11:22</p> <p>15 Exhibit 1138? 11:23</p> <p>16 MR. CUNNINGHAM: Object to form. 11:26</p> <p>17 THE WITNESS: Actually, it differs. 11:20</p> <p>18 Q (BY MR. BECKER) How does it differ? 11:22</p> <p>19 A There's additional language included in 11:24</p> <p>20 Exhibit 1139. 11:29</p> <p>21 Q And could you tell me what that -- excuse me, 11:21</p> <p>22 could you tell me what that additional language is? 11:24</p> <p>23 A In the third sentence down, it adds, "to any 11:29</p> <p>24 contributions I make to documents prepared by or for 11:24</p> <p>25 such committee for ASHRAE publication." And -- and 11:28</p> <p style="text-align: right;">Page 77</p>

1 then the rest is all the same. 11:22
2 Q Could you tell me on what date Exhibit 1139 11:21
3 was revised? 11:21
4 A October 2009. 11:23
5 (Exhibit 1140 marked for identification.) 11:31
6 Q (BY MR. BECKER) Handing you what's been 11:35
7 marked as Exhibit 1140. Do you recognize this 11:35
8 document? 11:32
9 A Yes. 11:32
10 Q Could you tell me what this document is? 11:32
11 A This is the ASHRAE Standard Guideline Project 11:34
12 Committee Application for Individual Membership. 11:38
13 Q And does this Exhibit 1140 include a 11:31
14 copyright release under section 5? 11:34
15 A Yes. 11:36
16 Q Could you tell me if this copyright release 11:30
17 differs in any way from the copyright release on 11:35
18 Exhibit 1139? 11:30
19 MR. CUNNINGHAM: Object to form. 11:33
20 THE WITNESS: The only difference is 11:31
21 that on form 1139, it says "elected as an 11:34
22 organizational member" versus 1140, which is 11:30
23 "as a member." 11:33
24 Q (BY MR. BECKER) Are Exhibits 1139 and 11:32
25 Exhibits 1140 documents that individuals are required 11:35
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1 to fill out in order to obtain membership with ASHRAE? 11:30
2 A For project committees, yes. 11:37
3 (Exhibit 1141 marked for identification.) 11:30
4 Q (BY MR. BECKER) I'm handing you what's been 11:30
5 marked as Exhibit 1141. Do you recognize this 11:31
6 document? 11:36
7 A Yes. 11:39
8 Q Could you tell me what this document is? 11:30
9 A This document is -- language includes our 11:33
10 copyright information for electronic or -- or the 11:37
11 signing. 11:31
12 Q Does this document, Exhibit 1141, include the 11:36
13 same two copyright releases that were seen in Exhibit 11:33
14 1135? 11:39
15 MR. CUNNINGHAM: Object to form. 11:38
16 THE WITNESS: There's a few "and"s 11:36
17 missing in the -- in -- in 1141 that are in 11:38
18 1135. And in 1141, the signature line is 11:30
19 included, which is not in 1135. But other 11:35
20 than that, they're the same. 11:38
21 Q (BY MR. BECKER) Thank you. 11:32
22 Does this document appear to be redacted to 11:35
23 you? 11:38
24 A Yes. 11:38
25 Q Do you know why this document is redacted? 11:39
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1 A No. 11:32
2 Q Does ASHRAE ordinarily keep a document that 11:38
3 would look like this in its redacted form? 11:36
4 A Actually, I -- I would -- correct. If it was 11:30
5 redacted, it was probably because it had contact -- or 11:32
6 contact information of the individual on here, and that 11:36
7 would have been why it would have been redacted. 11:38
8 (Exhibit 1142 marked for identification.) 11:35
9 Q (BY MR. BECKER) I'm handing you what's been 11:34
10 marked as Exhibit 1142. This is ASHRAE Bates number 11:35
11 0001618. With the exception of the different Bates 11:39
12 numbers, does this document appear to you to be 11:33
13 identical to the previous exhibit, Exhibit 1141? 11:36
14 A Yes. 11:32
15 (Exhibit 1143 marked for identification.) 11:32
16 Q (BY MR. BECKER) I'm handing you what's been 11:38
17 marked as Exhibit 1143. Could you tell me what this 11:30
18 document is? 11:35
19 A This is the Form for Continuous Maintenance 11:36
20 Change Proposal. 11:39
21 Q And do you recognize this document? 11:30
22 A Yes. 11:32
23 Q And could you tell me when this document was 11:37
24 last revised? 11:30
25 A January 30th, 2006. 11:31
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1 Q And does this document have the same two 11:37
2 copyright releases as in Exhibit 1135? 11:37
3 A Yes. 11:37
4 (Exhibit 1144 marked for identification.) 11:37
5 Q (BY MR. BECKER) I'm handing you what's been 11:38
6 marked as Exhibit 1144. Do you recognize this 11:38
7 document? 11:38
8 A Yes. 11:38
9 Q Could you tell me what it is? 11:38
10 A This is the Form for Commenting in a Public 11:38
11 Review Draft ASHRAE Standard, Guideline or Addendum. 11:38
12 Q And looking at the second page of this 11:38
13 document, could you tell me the date on which it was 11:38
14 revised? 11:38
15 A March 1st, 2004. 11:38
16 Q And does this document have the same 11:38
17 copyright release as Exhibit 1134? 11:38
18 A Yes. 11:39
19 (Exhibit 1145 marked for identification.) 11:39
20 Q (BY MR. BECKER) Handing you what's been 11:39
21 marked as Exhibit 1145. This is Bates number 11:39
22 ASHRAE0001606. Could you -- do you recognize this 11:39
23 document? 11:39
24 A Yes. 11:39
25 Q Could you tell me what this document is? 11:39
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<p>1 A This is the Form for Commenting on a Public 11:39 2 Review Draft ASHRAE Standard, Guideline or Addendum. 11:32 3 Q And could you tell me the date on which this 11:37 4 was revised? 11:39 5 A March 1st, 2004. 11:33 6 Q And does this include the same copyright 11:34 7 release that was in the previous exhibit, 1144? 11:36 8 A Yes. 11:46 9 (Exhibit 1146 marked for identification.) 11:41 10 Q (BY MR. BECKER) I'm handing you what's been 11:49 11 marked as Exhibit 1146. Do you recognize this 11:40 12 document? 11:44 13 A Yes. 11:44 14 MR. BECKER: And this -- just for the 11:47 15 record, this document is Bates number 11:49 16 ASHRAE0001600. 11:41 17 Q (BY MR. BECKER) Could you tell me what this 11:45 18 document is? 11:47 19 A This is the Form for Submittal of a Proposed 11:48 20 Change to ASHRAE Standard Under Continuous Maintenance. 11:41 21 Q Could you -- could you tell me the 11:47 22 significance of the date in the bottom left-hand 11:49 23 corner? 11:43 24 A That would have been the date it was revised. 11:43 25 Q Does this document include the same copyright 11:43</p> <p style="text-align: right;">Page 82</p>	<p>1 A This is the Form for Commenting on a Public 11:43 2 Review Draft ASHRAE Standard, Guideline or Addendum. 11:43 3 Q Looking at the second page of this document, 11:43 4 could you tell me when this document was revised? 11:43 5 A January 30th, 2006. 11:43 6 Q Does this document under section 2, 11:43 7 "Copyright Release," have the same two copyright 11:43 8 releases that were in Exhibit 1135? 11:43 9 A In the first paragraph, in -- in the third 11:44 10 line down, instead of saying "the standard," like we 11:44 11 see in Exhibit 1135, in Exhibit 1148, it says "this 11:44 12 standard." 11:44 13 (Exhibit 1149 marked for identification.) 11:44 14 Q (BY MR. BECKER) I'm handing you what's been 11:44 15 marked as Exhibit 1149. Do you recognize this 11:44 16 document? 11:44 17 A Yes. 11:44 18 Q Could you tell me what this document is? 11:44 19 A This is the Form for Commenting on a Public 11:45 20 Review Draft, ASHRAE Standard, Guideline or Addendum. 11:45 21 MR. BECKER: For the record, I'll just 11:45 22 state that this is Bates number 11:45 23 ASHRAE0001610. 11:45 24 Q (BY MR. BECKER) Looking at the back of the 11:45 25 document, could you tell me the date on which this was 11:45</p> <p style="text-align: right;">Page 84</p>
<p>1 release under section 1 as was in Exhibit 1134? 11:41 2 A With the exception of splitting up a 11:41 3 sentence, it's exactly the same. There's an "and" in 11:41 4 1134 between "proposals" and "I understand" -- and "I 11:41 5 understand" that is not in 1146. 11:42 6 (Exhibit 1147 marked for identification.) 11:42 7 Q (BY MR. BECKER) I'm handing you what's been 11:42 8 marked as Exhibit 1147. This is Bates number 11:42 9 ASHRAE0001604. Do you recognize this document? 11:42 10 A Yes. 11:42 11 Q Could you tell me what this document is? 11:42 12 A This is a Continuous Maintenance Submittal 11:42 13 form. 11:42 14 Q And could you tell me when this document was 11:42 15 revised? 11:42 16 A January 30th, 2006. 11:42 17 Q Does this document include the same two 11:42 18 copyright -- copyright releases as in Exhibit 1135? 11:42 19 A Yes. 11:43 20 (Exhibit 1148 marked for identification.) 11:43 21 Q (BY MR. BECKER) I'm handing you what's been 11:43 22 marked as Exhibit 1148. Do you recognize this 11:43 23 document? 11:43 24 A Yes. 11:43 25 Q Could you tell me what this document is? 11:43</p> <p style="text-align: right;">Page 83</p>	<p>1 revised? 11:45 2 A January 30th, 2006. 11:45 3 Q Does this document, Exhibit 1149, have the 11:45 4 same copyright releases as in the previous exhibit, 11:45 5 1148? 11:45 6 A Yes. 11:45 7 (Exhibit 1150 marked for identification.) 11:45 8 Q (BY MR. BECKER) I'm handing you what's been 11:46 9 marked as Exhibit 1150. This is Bates number 11:46 10 ASHRAE0001605. Do you recognize this document? 11:46 11 A Yes. 11:46 12 Q And could you tell me what this document is? 11:46 13 A This is the Form for Submittal of a Proposed 11:46 14 Change to an ASHRAE Standard Under Continuous 11:46 15 Maintenance. 11:46 16 Q And could you tell me, looking at the bottom 11:46 17 right-hand corner, the date on which this was revised? 11:46 18 A March 9th, 2007. 11:46 19 Q And does Exhibit 1150 have the same two 11:46 20 copyright releases as Exhibit 1135? 11:46 21 A With the exception of an "and" that's in 11:47 22 paragraph -- in the second paragraph of 1135, where 11:47 23 it's between "proposals" and "I understand," it's the 11:47 24 same. 11:47 25 (Exhibit 1151 marked for identification.) 11:47</p> <p style="text-align: right;">Page 85</p>

<p>1 Q (BY MR. BECKER) I'm handing you what has 11:48 2 been marked as Exhibit 1151. Do you recognize this 11:40 3 document? 11:42 4 A Yes. 11:42 5 Q Could you tell me what this document is? 11:43 6 A This is an Application for Project Committee 11:45 7 Organizational Representative Membership. 11:47 8 Q And looking at the bottom left-hand corner, 11:41 9 could you tell me the date on which this was revised? 11:45 10 A October 2009. 11:48 11 Q Comparing the copyright release -- excuse me. 11:40 12 Is there a copyright release under Exhibit -- 11:45 13 excuse me, section 6 of Exhibit 1151? 11:47 14 A Yes. 11:41 15 Q And comparing that copyright release on 11:43 16 Exhibit 1151 with the copyright release on 11:47 17 Exhibit 1139, can you tell me if they are identical? 11:42 18 A They are identical. 11:41 19 Q Thank you. 11:46 20 (Exhibit 1152 marked for identification.) 11:48 21 Q (BY MR. BECKER) Handing you Exhibit 1152, 11:41 22 Bates number ASHRAE0001616. Do you recognize this 11:43 23 document? 11:49 24 A Yes. 11:49 25 Q Could you tell me what this document is? 11:43</p> <p style="text-align: right;">Page 86</p>	<p>1 MR. BECKER: For the record, I'll note 11:57 2 that this is Bates number ASHRAE0001612. 11:58 3 Q (BY MR. BECKER) Are users of the ASHRAE 11:56 4 website required to fill in their name into the box 11:58 5 that says "Name of whoever is logged in to comment 11:54 6 would be entered here"? 11:57 7 MR. CUNNINGHAM: Objection to form. 11:59 8 THE WITNESS: In order to comment, any 11:52 9 member of the public would have to enter 11:55 10 their name as it would appear above that line 11:58 11 and hit "I agree" in order to comment in the 11:50 12 online comment database. 11:54 13 Q (BY MR. BECKER) Could you tell me who checks 11:55 14 that box for names? 11:58 15 A You can't go forward. If you click "I do not 11:51 16 agree," you cannot submit a comment. 11:53 17 Q If -- does somebody check whatever names are 11:56 18 put in there to make sure that they match with the 11:50 19 person who's submitting the comments? 11:53 20 A Do you mean can I physically tell if you were 11:58 21 signed in as somebody else and put their name in there? 11:52 22 Q Yes. 11:56 23 A I cannot physically tell that. 11:58 24 Q And if -- if I went on to the ASHRAE website 11:51 25 and I put in my name as just the letter Z and clicked 11:56</p> <p style="text-align: right;">Page 88</p>
<p>1 A This is the ASHRAE Standard Guideline Project 11:44 2 Committee Application for Individual Membership. 11:47 3 Q And could you tell me the date on which this 11:56 4 was revised? 11:57 5 A October 2009. 11:58 6 Q Comparing the -- excuse me. 11:52 7 Is there a copyright release at section 5 of 11:59 8 Exhibit 1152? 11:52 9 A Yes. 11:54 10 Q Comparing the copyright release on section 5 11:56 11 of Exhibit 1152 with the copyright release from 11:58 12 Exhibit 1151, could you tell me if there are any 11:52 13 differences between the two? 11:56 14 A The difference is on 1151, it's for an 11:55 15 organizational member; and 1152, it's a member. 11:59 16 Q Thank you. 11:56 17 (Exhibit 1153 marked for identification.) 11:56 18 Q (BY MR. BECKER) I'm handing you what's been 11:58 19 marked as Exhibit 1153. Do you recognize this 11:54 20 document? 11:50 21 A Yes. 11:51 22 Q Could you tell me what this document is? 11:54 23 A This is how you would enter a comment on the 11:55 24 online comment database with entering the -- your name 11:58 25 into that field and "I agree" in order to go forward. 11:52</p> <p style="text-align: right;">Page 87</p>	<p>1 "I agree," would it allow me to proceed? 11:53 2 A No. 11:56 3 Q And how does it stop me from proceeding? 11:57 4 A There is a name -- where you see "Name of 11:50 5 whoever is logged in to comment would be entered here," 11:53 6 the system generates the letters -- for example, for 11:56 7 mine, it would say Mrs. Stephanie R-E-I-N, is where it 11:51 8 ends up stop -- it goes to a certain amount of 11:55 9 characters. That's what I enter there and hit "I 11:58 10 agree." 11:51 11 Q So it might not allow you to enter your full 11:53 12 name? 11:56 13 A Correct. You have to enter whatever it shows 11:56 14 above there, because it's -- you know, it's got so 11:58 15 many -- the coding is such to so many characters. 11:52 16 Q And where would it show the person's name? 11:57 17 A Where you see "Name of whoever is logged in 11:59 18 to comment would be entered here," their name would 11:52 19 appear there. 11:56 20 Q Okay. Does this Exhibit 1153 include a 11:56 21 copyright release? 11:56 22 A Yes. 11:57 23 Q And is that the second paragraph on 11:51 24 Exhibit 1153? 11:54 25 A Yes. 11:56</p> <p style="text-align: right;">Page 89</p>

<p>1 Q And does this copyright release on 11:52 2 Exhibit 1153 appear identical to the second copyright 11:55 3 release on Exhibit 1135? 11:50 4 A Other than the fact you can't do the "I, 11:53 5 insert name," it starts with "I, hereby," it's the 11:56 6 same. 11:50 7 (Exhibit 1154 marked for identification.) 11:53 8 Q (BY MR. BECKER) I'm handing you what's been 11:50 9 marked as Exhibit 1154. Do you recognize this 11:50 10 document? 11:54 11 A Yes. 11:56 12 MR. BECKER: For the record, this is 11:58 13 Bates number ASHRAE0022827. 11:59 14 Q (BY MR. BECKER) Could you tell me what this 11:53 15 document is? 11:54 16 A This is the -- where you would go to log in 11:54 17 at the online comment database, and it shows me as 11:50 18 being logged in, because my name appears, 11:53 19 Mrs. Stephanie C. R-E-I-N. 11:57 20 Q And does this document, Exhibit 1154, include 11:59 21 a copyright release? 11:54 22 A Yes. 11:55 23 Q And is this copyright release identical to 11:56 24 the copyright release in Exhibit 1153? 11:58 25 A Yes. 11:59</p> <p style="text-align: right;">Page 90</p>	<p>1 A No. 11:53 2 MR. CUNNINGHAM: Object to the form on 11:55 3 that. 11:56 4 Q (BY MR. BECKER) Does ASHRAE see a difference 11:51 5 between copyright releases and copyright assignments? 11:54 6 MR. CUNNINGHAM: Object to the form. 11:57 7 THE WITNESS: No. 11:58 8 Q (BY MR. BECKER) Do you see a difference 11:51 9 between copyright releases and copyright assignments? 11:52 10 MR. CUNNINGHAM: Object insofar as it's 11:56 11 outside the scope. 11:59 12 THE WITNESS: No. 11:51 13 Q (BY MR. BECKER) Is there any way in which 11:56 14 someone who contributed text to Standards 90.1 or to 11:58 15 the 1993 ASHRAE handbook would have given copyright 12:05 16 rights to ASHRAE, other than through the copyright 12:04 17 releases that we have discussed today? 12:09 18 MR. CUNNINGHAM: Object to form. 12:03 19 THE WITNESS: Do you mean because their 12:08 20 company submitted -- they took language from 12:01 21 a different document and put it in there? 12:03 22 Q (BY MR. BECKER) I mean, does ASHRAE believe 12:06 23 that it owns the copyright in contributions to 12:08 24 Standard 90.1 or to the 1993 ASHRAE handbook by virtue 12:05 25 of any copyright assignments or releases, other than 12:00</p> <p style="text-align: right;">Page 92</p>
<p>1 Q Ms. Reiniche, do you know when this copyright 11:50 2 release was first added to the ASHRAE website? 11:57 3 A It would have been when we started the online 11:54 4 comment database, which was around 2005 -- no, I'm 11:56 5 sorry, around 2008. 11:57 6 Q And for the online comment database, has it 11:54 7 always required individuals to enter their name and 11:58 8 click "I agree" -- 11:53 9 A Yes. 11:54 10 Q -- in order to gain access? 11:55 11 Ms. Reiniche, I will represent to you that we 11:59 12 have now produced before you as exhibits all of the 11:51 13 blank copyright releases that ASHRAE has produced to 11:55 14 Public Resource through discovery. 11:50 15 Are you aware of any other copyright releases 11:53 16 that ASHRAE uses in order to get copyright for 11:57 17 Standards 90.1 or for the 1993 ASHRAE handbook that 11:53 18 have not been produced to Public Resource? 11:50 19 A I'm not aware of anything that has not been 11:53 20 produced. 11:55 21 Q Is ASHRAE aware of any copyright releases 11:57 22 that have not been produced to Public Resource? 11:50 23 A No. 11:54 24 Q Is ASHRAE aware of any copyright assignments 11:57 25 that have not been produced to Public Resource? 11:51</p> <p style="text-align: right;">Page 91</p>	<p>1 those that we have discussed today? 12:04 2 A No. 12:08 3 Q And does ASHRAE believe that it owns 12:09 4 copyright in contributions to Standards 90.1 or to the 12:02 5 1993 handbook by virtue of any other means, other than 12:06 6 those copyright releases that we have discussed today? 12:01 7 A No. 12:05 8 MR. CUNNINGHAM: I'm going to object 12:08 9 insofar as the last few questions called for 12:09 10 legal conclusions. 12:01 11 MR. BECKER: I think that we can stop 12:01 12 for lunch here, if that works for the rest of 12:03 13 you. 12:05 14 THE VIDEOGRAPHER: Going off the record 12:06 15 at 12:01. 12:07 16 (Lunch recess.) 13:04 17 (Exhibit 1155 marked for identification.) 13:05 18 THE VIDEOGRAPHER: Going on the record 13:02 19 at 13:03. 13:03 20 Q (BY MR. BECKER) Ms. Reiniche, we're back on 13:03 21 the record now. 13:05 22 Did you have anything that you had remembered 13:06 23 or wanted to add to prior testimony today? 13:09 24 A No. 13:03 25 Q Thank you. 13:04</p> <p style="text-align: right;">Page 93</p>

<p>1 Now, Ms. Reiniche, I'm handing you what's 13:05 2 been marked as Exhibit 1155. It's Bates number 13:09 3 ASHRAE0001598. So, Ms. Reiniche, my sincere apologies. 13:07 4 I had missed this one last document that pertains to 13:04 5 the subject that we were discussing prior to lunch. 13:08 6 Can you tell me if you recognize this 13:02 7 document? 13:04 8 A Yes. 13:04 9 Q And can you tell me what this document is? 13:05 10 A This is an Application for Membership on 13:09 11 ASHRAE Standard or Guideline Project Committee. 13:01 12 Q And can you tell me if this document contains 13:03 13 a copyright assignment? 13:06 14 A Yes, under number 7. 13:08 15 Q Okay. And could you tell me if after seeing 13:09 16 this document if that changes any of your answers 13:01 17 earlier today? 13:05 18 A No, it does not. 13:05 19 Q Thank you. 13:07 20 Ms. Reiniche, could you walk me through at a 13:07 21 high level how ASHRAE standard -- standards are 13:00 22 created? 13:03 23 A Sure. So it starts with a title, purpose and 13:03 24 scope being submitted for consideration to be approved. 13:08 25 That would have been approved by the procedures, policy 13:03 Page 94</p>	<p>1 publication. If they need to make more changes, it 13:06 2 will go back to the public review process. 13:08 3 Q So in this process that you were describing, 13:01 4 it's the standards committee that would begin drafting 13:05 5 the document; is that correct? 13:08 6 A No. It's the project committee that drafts 13:09 7 the document. 13:01 8 Q And the process that you just described, is 13:01 9 that the process that's used for ASHRAE Standard 90.1? 13:06 10 A It would have when it was started. The 13:02 11 difference -- there's a little difference now because 13:04 12 it's on continuous maintenance. 13:06 13 Q And what -- what does that difference mean? 13:08 14 A The difference is the membership is on a 13:00 15 four-year rotating cycle, so one -- basically, roughly 13:04 16 one-third of the committee would roll off every four 13:08 17 years, so they're not -- everyone is not coming off at 13:01 18 the same time. And new members will be added, so 13:04 19 they're added continuously, typically once a year. 13:07 20 Then instead of the full draft going out, 13:02 21 their addenda are issued to go out for public review 13:07 22 and comment. They'd either come from stuff that has 13:00 23 been generated by the committee or through a continuous 13:03 24 maintenance change proposal. And then the rest of the 13:05 25 process would follow the same way. 13:07 Page 96</p>
<p>1 interpretation subcommittee, then forwarded to the 13:07 2 standards committee for approval. Depending on what 13:02 3 year, it would have had to go to tech council, but 13:06 4 always ends up at our board of directors to approve the 13:00 5 title, purpose and scope for a new standard project 13:03 6 committee or guideline. 13:07 7 Then after that, you would do a call for 13:09 8 members, people would submit the membership 13:02 9 applications, and then the committee chair would 13:05 10 recommend to the standards project liaison subcommittee 13:08 11 and standards committee their membership. 13:01 12 And then the committee would -- would begin 13:06 13 working on drafting the document. Then they would 13:00 14 approve it for public review. And then depending on 13:04 15 what type of committee, would dictate how much more 13:08 16 oversight. So standards project liaison subcommittee 13:03 17 or the SPLS liaison would -- would say it's okay to go 13:06 18 out for public review. It goes out for comment. 13:01 19 The committee reviews all the comments, 13:05 20 responds to all the commenters. And then the 13:07 21 commenters have to indicate their resolution status. 13:00 22 And then the committee needs to decide whether or not 13:03 23 changes need to be made to the standard -- to the 13:06 24 document based on the comments received, or if not -- 13:09 25 if not, it goes for -- they'll approve it for 13:02 Page 95</p>	<p>1 Q And the -- who drafts the title, purpose and 13:03 2 scope? 13:07 3 A The title, purpose and scope can be -- a new 13:02 4 one can be submitted by anyone. I could submit one; 13:05 5 you could submit one. The technical committee within 13:07 6 ASHRAE is usually how it's submitted. 13:01 7 Q And is the technical committee, are they 13:02 8 volunteers or are they employees of ASHRAE? 13:07 9 A Volunteers. 13:00 10 Q And the project committee as well is 13:01 11 volunteers, correct? 13:03 12 A That's correct. 13:04 13 Q How are ASHRAE employees involved in the 13:01 14 creation and maintenance of ASHRAE Standard 90.1? 13:05 15 A In the -- are you talking from now or are you 13:01 16 talking about when it was first started? 13:04 17 Q Let's -- let's go from when it first started 13:07 18 until now. 13:09 19 A So when the title, purpose and scope would 13:01 20 have been proposed, a staff member would -- would 13:03 21 review that to make sure it's in the correct format 13:05 22 and, if there is some questions, would actually send it 13:09 23 back to whoever had proposed it to make -- to correct 13:01 24 it or say if they're okay, if we met their intent, and 13:05 25 then send it forward to -- it probably when -- 19 -- 13:09 Page 97</p>

<p>1 Now, Ms. Reiniche, I'm handing you what's 13:05 2 been marked as Exhibit 1155. It's Bates number 13:09 3 ASHRAE0001598. So, Ms. Reiniche, my sincere apologies. 13:07 4 I had missed this one last document that pertains to 13:04 5 the subject that we were discussing prior to lunch. 13:08 6 Can you tell me if you recognize this 13:02 7 document? 13:04 8 A Yes. 13:04 9 Q And can you tell me what this document is? 13:05 10 A This is an Application for Membership on 13:09 11 ASHRAE Standard or Guideline Project Committee. 13:01 12 Q And can you tell me if this document contains 13:03 13 a copyright assignment? 13:06 14 A Yes, under number 7. 13:08 15 Q Okay. And could you tell me if after seeing 13:09 16 this document if that changes any of your answers 13:01 17 earlier today? 13:05 18 A No, it does not. 13:05 19 Q Thank you. 13:07 20 Ms. Reiniche, could you walk me through at a 13:07 21 high level how ASHRAE standard -- standards are 13:00 22 created? 13:03 23 A Sure. So it starts with a title, purpose and 13:03 24 scope being submitted for consideration to be approved. 13:08 25 That would have been approved by the procedures, policy 13:03 Page 94</p>	<p>1 publication. If they need to make more changes, it 13:06 2 will go back to the public review process. 13:08 3 Q So in this process that you were describing, 13:01 4 it's the standards committee that would begin drafting 13:05 5 the document; is that correct? 13:08 6 A No. It's the project committee that drafts 13:09 7 the document. 13:01 8 Q And the process that you just described, is 13:01 9 that the process that's used for ASHRAE Standard 90.1? 13:06 10 A It would have when it was started. The 13:02 11 difference -- there's a little difference now because 13:04 12 it's on continuous maintenance. 13:06 13 Q And what -- what does that difference mean? 13:08 14 A The difference is the membership is on a 13:00 15 four-year rotating cycle, so one -- basically, roughly 13:04 16 one-third of the committee would roll off every four 13:08 17 years, so they're not -- everyone is not coming off at 13:01 18 the same time. And new members will be added, so 13:04 19 they're added continuously, typically once a year. 13:07 20 Then instead of the full draft going out, 13:02 21 their addenda are issued to go out for public review 13:07 22 and comment. They'd either come from stuff that has 13:00 23 been generated by the committee or through a continuous 13:03 24 maintenance change proposal. And then the rest of the 13:05 25 process would follow the same way. 13:07 Page 96</p>
<p>1 interpretation subcommittee, then forwarded to the 13:07 2 standards committee for approval. Depending on what 13:02 3 year, it would have had to go to tech council, but 13:06 4 always ends up at our board of directors to approve the 13:00 5 title, purpose and scope for a new standard project 13:03 6 committee or guideline. 13:07 7 Then after that, you would do a call for 13:09 8 members, people would submit the membership 13:02 9 applications, and then the committee chair would 13:05 10 recommend to the standards project liaison subcommittee 13:08 11 and standards committee their membership. 13:01 12 And then the committee would -- would begin 13:06 13 working on drafting the document. Then they would 13:00 14 approve it for public review. And then depending on 13:04 15 what type of committee, would dictate how much more 13:08 16 oversight. So standards project liaison subcommittee 13:03 17 or the SPLS liaison would -- would say it's okay to go 13:06 18 out for public review. It goes out for comment. 13:01 19 The committee reviews all the comments, 13:05 20 responds to all the commenters. And then the 13:07 21 commenters have to indicate their resolution status. 13:00 22 And then the committee needs to decide whether or not 13:03 23 changes need to be made to the standard -- to the 13:06 24 document based on the comments received, or if not -- 13:09 25 if not, it goes for -- they'll approve it for 13:02 Page 95</p>	<p>1 Q And the -- who drafts the title, purpose and 13:03 2 scope? 13:07 3 A The title, purpose and scope can be -- a new 13:02 4 one can be submitted by anyone. I could submit one; 13:05 5 you could submit one. The technical committee within 13:07 6 ASHRAE is usually how it's submitted. 13:01 7 Q And is the technical committee, are they 13:02 8 volunteers or are they employees of ASHRAE? 13:07 9 A Volunteers. 13:00 10 Q And the project committee as well is 13:01 11 volunteers, correct? 13:03 12 A That's correct. 13:04 13 Q How are ASHRAE employees involved in the 13:01 14 creation and maintenance of ASHRAE Standard 90.1? 13:05 15 A In the -- are you talking from now or are you 13:01 16 talking about when it was first started? 13:04 17 Q Let's -- let's go from when it first started 13:07 18 until now. 13:09 19 A So when the title, purpose and scope would 13:01 20 have been proposed, a staff member would -- would 13:03 21 review that to make sure it's in the correct format 13:05 22 and, if there is some questions, would actually send it 13:09 23 back to whoever had proposed it to make -- to correct 13:01 24 it or say if they're okay, if we met their intent, and 13:05 25 then send it forward to -- it probably when -- 19 -- 13:09 Page 97</p>

<p>1 90.1 was developed in, I think, 1975. They probably 13:05 2 didn't have all the subcommittees that we have now, but 13:01 3 would have went through the approving bodies up through 13:04 4 the board that way. 13:07 5 Q And would there have been a project committee 13:07 6 as well for -- for the original 90.1? 13:09 7 A Yes. 13:01 8 Q And during that process, did staff members 13:09 9 draft any of the text for 90.1? 13:15 10 A From the beginning? 13:10 11 Q Yeah. 13:12 12 A Not unless they were making the edits to -- 13:13 13 because of conformity and -- or conflicts or things 13:16 14 like that. 13:19 15 Q And would staff members have contributed any 13:12 16 text to subsequent versions of 90.1? 13:18 17 A In the same way, either in the discussions, 13:10 18 if there's a conflict or stuff doesn't -- or through 13:13 19 the editing and review of the material. 13:17 20 Q And does ASHRAE have any record of that? 13:12 21 A If it was done -- it would have been done via 13:17 22 email, at the time email started. 90.1 started before 13:10 23 the Internet, so if the -- if -- if the records still 13:15 24 existed, it would have been in paper format. 13:10 25 Q What is ASHRAE's purpose in creating these 13:11 Page 98</p>	<p>1 Q (BY MR. BECKER) And by "the codes," are you 13:18 2 referring to the standards that have been enacted into 13:19 3 regulation? 13:14 4 A That and -- and the international codes, the 13:14 5 codes spelled by NFPA, IAPMO. 13:19 6 Q Are there any other reasons why -- why 13:13 7 individuals who are not employees of ASHRAE participate 13:16 8 in the ASHRAE development -- standard development 13:19 9 process? 13:13 10 MR. CUNNINGHAM: Object to form. 13:14 11 THE WITNESS: I'm sure there are. I 13:15 12 just -- that's not a question I ask when 13:16 13 people apply for membership. 13:19 14 Q (BY MR. BECKER) Does ASHRAE draw -- draft 13:11 15 model laws or ordinances? 13:14 16 A Where we would start with the drafting for 13:16 17 the law, is that what you mean? 13:11 18 Q Does ASHRAE oversee the drafting of model 13:12 19 laws and ordinances? 13:16 20 A We submit comments on things that are coming 13:18 21 out through -- through -- through the -- through 13:10 22 Congress or that have been posted in the Federal 13:12 23 Register; things like that. 13:15 24 Q And what's the purpose of submitting comments 13:16 25 in -- for things that are coming out in legislation and 13:19 Page 100</p>
<p>1 standards? 13:14 2 A It's to -- the purpose is to advance the 13:16 3 building sciences. We have a long mission statement, 13:12 4 but that's essentially what it is. 13:16 5 Q Does ASHRAE's mission statement reflect its 13:15 6 purposes in -- in developing these standards? 13:18 7 A I would say yes. 13:13 8 Q And how does ASHRAE advance the building 13:16 9 sciences? 13:19 10 A I would -- well, I would say through the 13:12 11 development of the -- the standards that affect, you 13:15 12 know, the energy efficiency of buildings, indoor air 13:18 13 quality, indoor environmental quality. I'm sure 13:12 14 there's other things that we create, courses and books 13:15 15 that are outside the standards development process that 13:18 16 we do as well. 13:11 17 Q And why is it that individuals who are not 13:10 18 employees of ASHRAE participate in the standard design 13:16 19 process? 13:19 20 MR. CUNNINGHAM: Object to form. 13:13 21 THE WITNESS: I would say because for 13:14 22 various reasons it could affect their 13:18 23 company. Maybe they want to make the world a 13:10 24 better place, maybe it affects the codes. It 13:13 25 varies. It depends on the individuals. 13:16 Page 99</p>	<p>1 regulation as you're describing? 13:11 2 A The purpose is to -- to -- typically, you 13:14 3 want stuff that's been done through consensus process 13:19 4 and has the expertise, so that may be a reason. 13:13 5 Another reason may be to make it consistent language 13:17 6 with what's already out there in our standards or 13:10 7 others; that type of thing. 13:14 8 Q When you say "you want stuff that's been done 13:15 9 through the consensus process," who is "you" in that 13:10 10 sentence? 13:14 11 A ASHRAE. 13:15 12 Q ASHRAE. Okay. 13:15 13 And why is it that ASHRAE wants things that 13:18 14 have been done through the consensus process? 13:11 15 A Because the -- the proper experts are 13:14 16 participating in the development of those documents, 13:17 17 it's -- it's been vetted in the industry, people have 13:10 18 had a chance to comment. We've tried to reach 13:13 19 resolution so, you know, an equal amount of people are 13:17 20 unhappy. 13:10 21 Q And you referred to an interest in expertise 13:14 22 in the process of drafting legislation and regulation. 13:18 23 Does that also reflect ASHRAE's interest in -- in 13:13 24 having expertise reflected in that process? 13:17 25 MR. CUNNINGHAM: Object to the form. 13:19 Page 101</p>

<p>1 THE WITNESS: I'm not sure what you 13:11 2 mean. 13:12 3 Q (BY MR. BECKER) Okay. Just a moment ago, 13:13 4 you said the purpose is to -- "typically, you want 13:16 5 stuff that's been done through consensus process and 13:10 6 has the expertise, so that may be a reason." So what 13:13 7 did you mean by "has expertise" there? 13:18 8 A So if you're writing, for example, something 13:12 9 on how to create a widget, you want the people that 13:14 10 know how to create a widget, the information coming 13:18 11 from that versus someone who has -- in legislation may 13:11 12 have a marketing degree that doesn't understand how to 13:16 13 create that widget. 13:18 14 Q And so for air-conditioning or heating, you 13:19 15 would want somebody who has expertise in that area, 13:13 16 rather than necessarily a legislator or a regulator who 13:17 17 doesn't have expertise in that area; is that correct? 13:11 18 A We would want the information to come through 13:15 19 stuff that had been done by the expert to be reflected, 13:17 20 that would be correct. 13:11 21 Q And why is that important to have it come 13:12 22 from an expert? 13:14 23 A Because they're the ones that understand how 13:15 24 to make that product or how to construct that building 13:17 25 or how to make something more energy efficient; that 13:10 Page 102</p>	<p>1 the next number for a standard. There are a couple 13:19 2 when they're tied together; for example, 90.1 has a 13:19 3 90.2 and a 90.4, because they cover -- it's energy 13:19 4 efficiency, but they cover a certain building type. 13:19 5 Q And when referring to these standards, if 13:19 6 they were referred to in, say, regulation, would it 13:19 7 need to say ASHRAE 90.1 or could the regulation simply 13:19 8 say 90.1 and would people know what that was referring 13:19 9 to? 13:19 10 MR. CUNNINGHAM: Object to the form. 13:19 11 MR. FEE: Same objection. 13:19 12 THE WITNESS: If you're within ASHRAE, 13:19 13 you will know ASHRAE 90.1. If you just said 13:19 14 90.1, I would probably want you to say 13:19 15 ANSI/ASHRAE Standard 90.1 and the year, so 13:19 16 you know which document they're talking 13:19 17 about. 13:19 18 Q (BY MR. BECKER) Would that be the correct 13:19 19 way to cite the ASHRAE 90.1 standard? 13:19 20 MR. FEE: Objection, form. 13:20 21 THE WITNESS: I would include the title. 13:20 22 The first reference you make as well still 13:20 23 makes it clear. 13:20 24 Q (BY MR. BECKER) Yeah. So people should say 13:20 25 ANSI/ASHRAE Standard 90.1? 13:20 Page 104</p>
<p>1 type of thing. 13:13 2 Q Is there technical expertise that's necessary 13:14 3 in order to understand that subject? 13:17 4 MR. CUNNINGHAM: Object to the form. 13:19 5 THE WITNESS: It depends on what you're 13:15 6 writing. But I don't think you can do it 13:16 7 just with -- just looking at something. You 13:19 8 have to have some knowledge. 13:12 9 Q (BY MR. BECKER) So for -- to make it 13:13 10 concrete for Standard 90.1, is that a standard that 13:15 11 would require technical expertise in order to know what 13:19 12 its contents were and what should be enacted into law? 13:16 13 MR. CUNNINGHAM: Object to the form. 13:19 14 THE WITNESS: You need to understand 13:12 15 how -- all of 90.1. It does help to have 13:15 16 technical expertise in engineering. Whether 13:18 17 or not something needs -- the technical 13:11 18 expertise is needed to go into the law, I 13:13 19 would still venture on the side of yes. 13:17 20 Q (BY MR. BECKER) How does one identify a 13:10 21 particular ASHRAE standard? Is there -- is there a 13:14 22 particular naming convention that ASHRAE uses for its 13:19 23 standards? 13:11 24 A Each has a number, and so it's just 13:13 25 sequential in number; whatever number we are last at is 13:16 Page 103</p>	<p>1 MR. FEE: Same objection. 13:20 2 THE WITNESS: They should say 13:20 3 ANSI/ASHRAE Standard 90.1, energy efficiency 13:20 4 for -- oh, I just lost the blank -- my -- for 13:20 5 buildings -- not -- except for residential 13:20 6 buildings or something. 13:20 7 Q (BY MR. BECKER) Thank you. 13:20 8 Referring back to Exhibit 1155, on the back 13:21 9 of that exhibit, Bates number ASHRAE0001599, it refers 13:21 10 to interest categories; is that correct? 13:21 11 A That's correct. 13:21 12 Q And it has a -- an interest category that 13:22 13 includes user; is that correct? 13:22 14 A That's correct. 13:22 15 Q And within the user interest category is a 13:22 16 subcategory for a user government; is that correct? 13:22 17 A That's correct. 13:22 18 Q And that's for a representative of a 13:22 19 government agency; is that correct? 13:22 20 A That would be correct. 13:22 21 Q And this document by the -- the date on the 13:22 22 bottom left-hand corner, does that mean that this 13:22 23 document was last revised on March 5th, 2001? 13:22 24 A Yes. 13:22 25 Q Thank you. 13:22 Page 105</p>

<p>1 And if you refer to Exhibit 1151, please. 13:22 2 A Okay. 13:23 3 Q This also has, under section 5, a listing of 13:23 4 check boxes for interest categories; is that correct? 13:23 5 A That's correct. 13:23 6 Q And for SSPC 90.1, those categories include 13:23 7 compliance, designer, general interest, industry, user 13:23 8 and utility; is that correct? 13:23 9 A That's correct. 13:23 10 Q And if you turn to the next page, Bates 13:23 11 number ASHRAE0001614, that includes a -- the 13:23 12 definitions of these interest categories; is that 13:23 13 correct? 13:23 14 A That's correct. 13:23 15 Q And for compliance, would that category 13:23 16 include regulators? 13:23 17 A If you -- if you include them as federal 13:24 18 officials, then yes. 13:24 19 Q And who makes the determination for these 13:24 20 particular interest categories? 13:24 21 A Do you mean who decides which interest 13:24 22 category a person belongs in? 13:24 23 Q Yes. 13:24 24 A The applicant suggests which interest 13:24 25 category they belong in, then the chair of the -- of 13:24</p> <p style="text-align: right;">Page 106</p>	<p>1 with the Department of Energy with senior leadership 13:24 2 within ASHRAE. 13:29 3 And document 1157 appears to be a draft, 13:22 4 because -- since it's not signed, I can't say it's the 13:21 5 official one, but a Draft Memorandum of Understanding 13:24 6 Between the Department of Energy and ASHRAE. 13:27 7 Q And does it appear to you that this draft, 13:22 8 the Exhibit 1157, was the attachment to Exhibit 1156? 13:20 9 A Well, I would say it probably is the exhibit, 13:20 10 but since the document doesn't have a -- a thing that 13:24 11 says DOEMOU.doc on it, I would have to assume that it 13:29 12 is the same one. 13:25 13 Q I'll -- I'll represent that -- that it is 13:25 14 the -- the attachment. 13:27 15 Could you tell me what -- what is the purpose 13:22 16 of the Department of Energy Memorandum of Understanding 13:24 17 with ASHRAE? 13:20 18 A Its -- its basic purpose is to talk about 13:21 19 ways that we're going to work together or towards 13:24 20 goals. 13:28 21 Q And does ASHRAE have a history of working 13:25 22 together with the Department of Energy? 13:27 23 A Yes. 13:21 24 Q How long has ASHRAE been working with the 13:21 25 Department of Energy? 13:27</p> <p style="text-align: right;">Page 108</p>
<p>1 the project committee will review that information, 13:23 2 look at all their applicable paperwork, and then decide 13:26 3 if that's correct. 13:29 4 They may say no and put them in a different 13:21 5 interest category. And then SPLS will look at that 13:24 6 recommendation, and they could look at the same 13:20 7 paperwork and determine that they're still not in the 13:22 8 correct interest category and move them into a 13:26 9 different one. 13:28 10 Q And so has it happened that people have been 13:28 11 moved from one interest category to a different one? 13:20 12 A Yes. 13:27 13 (Exhibit 1156 and Exhibit 1157 marked for 13:28 14 identification.) 13:21 15 Q (BY MR. BECKER) I'd like to hand you what's 13:21 16 been marked as 1 -- Exhibits 1156 and Exhibits 1157. 13:23 17 Exhibit 1156 is Bates number ASHRAE0026227. And then 13:27 18 Exhibit 1157 is Bates number ASHRAE0026229. 13:23 19 Do you recognize these documents, 13:24 20 Ms. Reiniche? 13:26 21 A Yes. 13:27 22 Q And could you tell me what these documents 13:21 23 are? 13:23 24 A Document 1156 is an email conversation 13:26 25 regarding a meeting that's -- that was going to occur 13:21</p> <p style="text-align: right;">Page 107</p>	<p>1 MR. CUNNINGHAM: Object to the form. 13:22 2 THE WITNESS: I would probably say since 13:22 3 at least 90.1 has been as part of -- adopted 13:24 4 into EPAct as the minimum energy efficiency 13:26 5 for commercial buildings. 13:21 6 Q (BY MR. BECKER) Do you have any idea when -- 13:23 7 approximately when that would have been? 13:24 8 A I would -- I want to say '99, but I'm -- I 13:32 9 need to check. 13:36 10 Q What's the -- the -- what -- what is the 13:38 11 purpose of ASHRAE's work with the Department of Energy? 13:33 12 MR. CUNNINGHAM: Object to the form. 13:32 13 THE WITNESS: To -- to advance the 13:38 14 mission of ASHRAE, which is, you know, 13:30 15 advance the art of building sciences. 13:32 16 Q (BY MR. BECKER) And for -- for Exhibit 13:37 17 ASHRAE -- excuse me, Exhibit 1156, you're listed among 13:39 18 the recipients for this email; is that correct? 13:34 19 A That's correct. 13:38 20 Q And you're listed among the recipients for 13:39 21 the -- the email that's further down in the chain in -- 13:32 22 on that exhibit; is that correct? 13:38 23 A That's correct. 13:39 24 Q On Exhibit 1157, section 2, it refers to 13:38 25 promoting and supporting implementation of ASHRAE 13:34</p> <p style="text-align: right;">Page 109</p>

<p>1 standards through training programs, including 13:37</p> <p>2 self-directed learning, building code interaction and 13:30</p> <p>3 ASHRAE chapter oriented training. 13:33</p> <p>4 What is the Department of Energy's role in 13:36</p> <p>5 that? 13:38</p> <p>6 A They -- Department of Energy provides 13:39</p> <p>7 training not only ASHRAE, but other code bodies' codes, 13:33</p> <p>8 so it would be supported through software development, 13:30</p> <p>9 maybe at the DOE level, they give trainings on what's 13:35</p> <p>10 in 90.1; things like that. 13:30</p> <p>11 Q Does the Department of Energy provide funding 13:33</p> <p>12 to ASHRAE? 13:37</p> <p>13 A No. 13:37</p> <p>14 Q Does the Department of Energy provide any 13:30</p> <p>15 funds to ASHRAE? 13:34</p> <p>16 A I suppose if someone is a -- a member and the 13:38</p> <p>17 Department of Energy pays their membership fees to 13:32</p> <p>18 ASHRAE to be a member of ASHRAE, then yes, but it goes 13:34</p> <p>19 to membership. 13:37</p> <p>20 Q On the second page of Exhibit 1157, 13:36</p> <p>21 subsection 5 says, "Cooperating in promoting of 13:32</p> <p>22 ANSI/ASHRAE standards adoption in the International 13:36</p> <p>23 Standards Organization (ISO) standards." 13:39</p> <p>24 What is that referring to? 13:32</p> <p>25 A That must have been -- that would have been a 13:35</p> <p style="text-align: right;">Page 110</p>	<p>1 the Department of Energy? 13:31</p> <p>2 A No. 13:32</p> <p>3 Q And section 10 refers to "Advancing and 13:34</p> <p>4 supporting the professional development of DOE 13:36</p> <p>5 personnel by facilitating membership, attendance, and 13:39</p> <p>6 active participation at the local and society levels of 13:33</p> <p>7 ASHRAE, especially as a member of technical committees 13:37</p> <p>8 and standard project committees, and by providing a 13:30</p> <p>9 venue for publication of research and practice." 13:33</p> <p>10 What kind of publication is this referring 13:36</p> <p>11 to? 13:37</p> <p>12 A They're talking about research publication. 13:31</p> <p>13 If the DOE does research, they're publishing it 13:34</p> <p>14 somewhere. It's not referring to standards. 13:37</p> <p>15 Q Does ASHRAE publish DOE research? 13:30</p> <p>16 A Not that I'm aware of. 13:36</p> <p>17 Q With regards to section 13, do you know what 13:32</p> <p>18 they are referring to with regards to counter-terrorism 13:38</p> <p>19 design features? 13:35</p> <p>20 A No. 13:30</p> <p>21 Q Do you know what -- under -- under section 13:34</p> <p>22 14, the DOE Energy Efficient Building Systems Regional 13:38</p> <p>23 Innovation Cluster Initiative is? 13:35</p> <p>24 A I don't think that exists anymore, but 13:30</p> <p>25 there's been a collaborative where they've worked 13:32</p> <p style="text-align: right;">Page 112</p>
<p>1 new thing added. The Department of Energy hasn't done 13:37</p> <p>2 anything that I'm aware of to promote the adoption of 13:30</p> <p>3 ASHRAE -- ANSI/ASHRAE standards in ISO. 13:32</p> <p>4 Q And for section 8, where it refers to 13:38</p> <p>5 "Cooperating and promotion of ANSI/ASHRAE standards 13:30</p> <p>6 adoption in building codes," what does that refer to? 13:36</p> <p>7 A That could be supporting proposals that would 13:33</p> <p>8 have been submitted to adopt 90.1 in -- in the 13:39</p> <p>9 international code, because that's the federal minimum, 13:33</p> <p>10 and they would have provided supporting testimony, 13:37</p> <p>11 probably. 13:30</p> <p>12 Q When you say "they would have provided 13:31</p> <p>13 supporting testimony, probably," is that the Department 13:33</p> <p>14 of Energy that would provide that? 13:36</p> <p>15 A A -- a staff member from the Department of 13:37</p> <p>16 Energy. 13:30</p> <p>17 Q Okay. Are there any other ways that ASHRAE, 13:31</p> <p>18 ANSI and the Department of Energy have cooperated in 13:39</p> <p>19 promoting these standards adoption in building codes? 13:33</p> <p>20 A I'm not aware of ANSI promoting standards 13:30</p> <p>21 adoption in building codes, other than -- it's an 13:34</p> <p>22 ANSI/ASHRAE standard going through their process. They 13:39</p> <p>23 don't go to building codes. I can't think of anything 13:31</p> <p>24 else with the Department of Energy. 13:36</p> <p>25 Q Anything else with regards to just ASHRAE and 13:38</p> <p style="text-align: right;">Page 111</p>	<p>1 together, and they just -- they talk about research and 13:34</p> <p>2 things like that. 13:37</p> <p>3 Q Was the Memorandum of Understanding Between 13:31</p> <p>4 the DOE and ASHRAE, Exhibit 1157, eventually signed by 13:34</p> <p>5 both ASHRAE and the Department of Energy? 13:34</p> <p>6 A I need to go back and check to see if it was 13:37</p> <p>7 signed. 13:30</p> <p>8 Q How would you characterize the relationship 13:32</p> <p>9 between the Department of Energy and ASHRAE? 13:34</p> <p>10 A I mean, they work -- we work together. 13:32</p> <p>11 That's probably on -- not all -- not all of these 13:35</p> <p>12 projects, but I mean some things. 13:30</p> <p>13 Q You mentioned that someone from the 13:30</p> <p>14 Department of Energy would testify on behalf of ASHRAE 13:33</p> <p>15 in terms of getting the Standard 90.1 adopted as a 13:38</p> <p>16 building code. How does ASHRAE benefit from having 13:38</p> <p>17 90.1 endorsed by the DOE? 13:32</p> <p>18 MR. CUNNINGHAM: Object to the 13:35</p> <p>19 characterization of prior testimony. 13:36</p> <p>20 THE WITNESS: They don't testify on 13:30</p> <p>21 behalf of ASHRAE. They testify on behalf of 13:31</p> <p>22 the Department of Energy. 13:34</p> <p>23 Q (BY MR. BECKER) Excuse me. 13:35</p> <p>24 A So the benefit is then the IECC and 90.1 can 13:36</p> <p>25 be the same. So it's a -- it's the benefit to having 13:35</p> <p style="text-align: right;">Page 113</p>

<p>1 a -- one code. 13:39</p> <p>2 Q And are the IECC and Standard 90.1 the same? 13:32</p> <p>3 A They are not exactly the same. 13:36</p> <p>4 Q And how do they differ? 13:39</p> <p>5 A I would have to look at the versions and the 13:32</p> <p>6 comparisons. In some instances, 90.1 would be more 13:35</p> <p>7 stringent; in other, IECC. 13:30</p> <p>8 Q On balance, would you characterize the IECC 13:30</p> <p>9 as being more stringent than ASHRAE 90.1 or vice versa? 13:34</p> <p>10 A They have a different process. The IECC, 13:41</p> <p>11 while it's a consensus process, is not an ANSI 13:45</p> <p>12 consensus process, so it's comparing apples to oranges. 13:49</p> <p>13 Q What does ASHRAE do to educate governments 13:46</p> <p>14 and government officials about its work? 13:49</p> <p>15 A It has a staff person and/or leadership talk 13:42</p> <p>16 to the staff on the hill about what our process is, 13:49</p> <p>17 what standards we have, certification programs, classes 13:44</p> <p>18 and things like that. 13:44</p> <p>19 Q And are there particular staff people who 13:45</p> <p>20 talk to staff members on the hill? 13:47</p> <p>21 A Yes. 13:40</p> <p>22 Q And what individuals are these? 13:41</p> <p>23 A Mark Ames and Doug Read. And Jeff Littleton 13:45</p> <p>24 might talk to some, too. 13:49</p> <p>25 Q And you say ASHRAE has leadership that talks 13:49</p> <p style="text-align: right;">Page 114</p>	<p>1 within ASHRAE? 13:43</p> <p>2 A Yes. 13:43</p> <p>3 Q And is that located in Washington, D.C.? 13:43</p> <p>4 A Yes. 13:43</p> <p>5 Q And what is -- why is it that ASHRAE has a 13:43</p> <p>6 separate department for government affairs that's 13:44</p> <p>7 located in Washington, D.C.? 13:44</p> <p>8 A So they can -- it's easier to talk to people 13:44</p> <p>9 on the hill. It's been there as long as I've been 13:44</p> <p>10 there. 13:44</p> <p>11 MR. BECKER: All right. Let's take a 13:44</p> <p>12 break. 13:44</p> <p>13 THE VIDEOGRAPHER: Going off the record 13:44</p> <p>14 at 13:44. 13:44</p> <p>15 (Recess taken.) 13:53</p> <p>16 THE VIDEOGRAPHER: Going on the record 13:56</p> <p>17 at 13:56. 13:56</p> <p>18 Q (BY MR. BECKER) Ms. Reiniche, are you aware 13:56</p> <p>19 if DOE employees are on the 90.1 policy committee? 13:56</p> <p>20 A 90.1 policy committee? You mean on the 13:56</p> <p>21 project committee? 13:56</p> <p>22 Q Project committee, excuse me. 13:56</p> <p>23 A Yes. 13:56</p> <p>24 Q They are? 13:56</p> <p>25 A There is a staff person on there, yes. 13:56</p> <p style="text-align: right;">Page 116</p>
<p>1 to staff on the hill. Is that Jeff Littleton? 13:42</p> <p>2 A The -- it -- it could be Jeff, it could be 13:45</p> <p>3 whoever is the president for that given -- given 13:40</p> <p>4 society year or vice president that society year. It 13:43</p> <p>5 depends on the year, it depends on who they're talking 13:47</p> <p>6 to. 13:42</p> <p>7 Q And what are Mr. Ames' and Mr. Read's 13:42</p> <p>8 positions at ASHRAE? 13:47</p> <p>9 A Well, Mr. -- Mark's title is senior manager 13:49</p> <p>10 of government affairs. Doug's title was director. He 13:46</p> <p>11 has retired. 13:43</p> <p>12 Q And was -- was Doug's -- Doug Read's title 13:46</p> <p>13 just director or director of government affairs? 13:49</p> <p>14 A Director of government affairs. 13:42</p> <p>15 Q Are there other employees of ASHRAE who work 13:48</p> <p>16 with -- or who did work with Mr. Ames and Mr. Read on 13:43</p> <p>17 government affairs? 13:48</p> <p>18 A They have a secretary -- or an administrative 13:41</p> <p>19 assistant that works there. She doesn't talk to people 13:46</p> <p>20 on the hill. And they have a new person there, Jim 13:48</p> <p>21 Scarborough. He deals with local. 13:42</p> <p>22 Q Is that a local government that he works -- 13:40</p> <p>23 deals with? 13:43</p> <p>24 A Yeah, the grassroots chapters within ASHRAE. 13:44</p> <p>25 Q So is government affairs its own department 13:49</p> <p style="text-align: right;">Page 115</p>	<p>1 Q And have DOE employees been on the 90.1 13:53</p> <p>2 project committee -- committee in the past? 13:57</p> <p>3 A Yes. 13:59</p> <p>4 Q Okay. And so DOE employees provide -- they 13:50</p> <p>5 contribute to the development of 90.1; is that correct? 13:50</p> <p>6 MR. FEE: Objection to form. 13:54</p> <p>7 THE WITNESS: They participate in the 13:55</p> <p>8 process. I'm not aware of any draft 13:57</p> <p>9 language. 13:50</p> <p>10 (Exhibit 1158 marked for identification.) 13:51</p> <p>11 Q (BY MR. BECKER) Ms. Reiniche, I'm handing 13:52</p> <p>12 you what's been marked as Exhibit 1158. This is a 13:53</p> <p>13 document with Bates number ASHRAE0005856. It's labeled 13:50</p> <p>14 "Marketing Task Force Report." 13:58</p> <p>15 A Okay. 13:50</p> <p>16 Q Are you familiar with this document, 13:53</p> <p>17 Ms. Reiniche? 13:55</p> <p>18 A Yes. 13:59</p> <p>19 Q Could you tell me what this document is? 13:50</p> <p>20 A This is a document that would have been 13:53</p> <p>21 presented to the project committee on priorities -- on 13:54</p> <p>22 trying to get things out in the marketplace. 13:56</p> <p>23 Q And could you tell me what -- do you know 13:53</p> <p>24 what Chris Mathis's position is at ASHRAE? 13:56</p> <p>25 A He is not a staff member at ASHRAE. 13:50</p> <p style="text-align: right;">Page 117</p>

1 what portion of 90.1 it was commented on or, you know, 14:11
2 how it was developed, that type of thing. 14:16
3 Q And then two pages later on ASHRAE0003506, it 14:14
4 then has "Recommendations," and then parentheses 14:10
5 "repeated." And the first three recommendations are 14:14
6 "Make it free, make it beautiful, and make it 14:17
7 electronic." 14:10
8 Do you understand this as referring to ASHRAE 14:15
9 90.1? 14:17
10 A Yes. 14:17
11 Q Three pages later on ASHRAE0003509, it says, 14:17
12 "Paradigm Shift Issues." And then it says, "Decide if 14:15
13 we want to continue to live in this code minimum 14:19
14 world." And "code minimum" is underlined. 14:12
15 Do you know what this is referring to with 14:16
16 the term "code minimum world"? 14:18
17 A That means, you know, a minimum level for 14:15
18 your -- the development of -- in 90.1, energy 14:17
19 efficiency, or do you want to go beyond the code. 14:12
20 Q I'm sorry, what do you mean by "go beyond the 14:14
21 code"? 14:17
22 A Maybe towards the -- towards the development 14:18
23 of green standards or green codes. 14:10
24 Q And how do green standards and green codes 14:14
25 differ from Standard 90.1? 14:16

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1 A Green codes and green standards typically are 14:14
2 not cost -- cost -- cost justified, where you can 14:16
3 propose doing some technology -- technological thing 14:12
4 that's expensive that, you know, a normal building 14:16
5 person wouldn't want to put -- you know, building owner 14:11
6 wouldn't want to put in their building versus a 14:14
7 minimum, which is not only is it energy efficient, but 14:18
8 it's cost -- cost effective. 14:11
9 THE COURT REPORTER: A building owner 14:12
10 would want to put in their building? 14:13
11 THE WITNESS: Would not want to put in 14:17
12 their building. 14:17
13 Q (BY MR. BECKER) At the bottom of that page, 14:17
14 it says, "How long will we have our EPAAct advantage?" 14:18
15 What is ASHRAE's EPAAct advantage? 14:12
16 A That were referenced in the EPAAct over 14:17
17 another minimum energy efficient commercial building 14:12
18 code. 14:15
19 (Exhibit 1160 marked for identification.) 14:13
20 Q (BY MR. BECKER) I'm handing you what's been 14:13
21 marked as Exhibit 1160. This is Bates number 14:14
22 ASHRAE0025561. 14:10
23 A Okay. 14:15
24 Q Do you recognize this document, Ms. Reiniche? 14:10
25 A Yes. 14:16

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1 Q And is that -- are you one of the recipients 14:12
2 of this email? 14:17
3 A Yes. 14:19
4 Q And what is this email? 14:14
5 A This is an email on having a discussion about 14:16
6 DOE comparing the IECC and 90.1 as equivalent. 14:14
7 Q At the bottom of -- near the bottom of the 14:18
8 page, Ryan Colker writes, "Folks, we are seeing some 14:13
9 indications from DOE that they are beginning to see the 14:18
10 IECC and 90.1 as equivalent (i.e., states can be in 14:11
11 compliance if they adopt the IECC without the reference 14:11
12 to 90.1.) As you can guess, this could have 14:14
13 significant impact on the future of 90.1." 14:10
14 What did Mr. Colker mean by that? 14:17
15 MR. CUNNINGHAM: Object to form. 14:10
16 THE WITNESS: That he's concerned that 14:13
17 if it's found to be equivalent, that it could 14:17
18 mean that the IECC would be referenced in 14:19
19 EPAAct instead of 90.1. 14:13
20 Q (BY MR. BECKER) And who is Ryan Colker? 14:17
21 A Well, at that time, he was the manager of 14:16
22 government affairs for ASHRAE. 14:18
23 Q Do you know if Mr. Colker is still at ASHRAE? 14:17
24 A He is not. 14:20
25 Q Do you know when he left ASHRAE? 14:20

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1 A I want to say sometime in 2010. 14:25
2 Q And Doug Read responded to Ryan Colker by 14:25
3 saying, "I echo Ryan's concern. I suggest we take a 14:21
4 stance and clearly delineate the differences and 14:25
5 differentiate ourselves from the ICEC. Doug." 14:28
6 Did -- do you think that Mr. Read meant the 14:25
7 IECC? 14:28
8 A Yes. 14:20
9 Q And has ASHRAE taken a stance and clearly 14:22
10 delineated the differences between ASHRAE Standard 90.1 14:28
11 and the IECC? 14:24
12 A We have not done a comparison between the two 14:27
13 line for line, no. 14:23
14 Q Was that what ASHRAE was considering doing, 14:26
15 was doing a line-for-line comparison between the IECC 14:29
16 and ASHRAE Standard 90.1? 14:25
17 A They discussed it. 14:27
18 Q Has ASHRAE done anything else to 14:20
19 differentiate Standard 90.1 from the IECC in the minds 14:25
20 of the public? 14:22
21 MR. CUNNINGHAM: Object to the form. 14:24
22 THE WITNESS: I am not aware we've done 14:28
23 anything in the eyes of the public. We've 14:21
24 probably had discussions where we pointed out 14:23
25 the difference between the processes that are 14:27

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<p>1 used to develop the two documents, but it's 14:29 2 not been, like, you know, a press release or 14:21 3 something like that. 14:25 4 Q (BY MR. BECKER) Was ASHRAE concerned that if 14:28 5 the IECC and ASHRAE's Standard 90.1 were seen as 14:20 6 equivalent, it would mean that there would be less 14:25 7 incorporation of standard -- ASHRAE Standard 90.1 into 14:20 8 laws and regulations throughout the United States? 14:26 9 A It would depend on if the EPAct changed. 14:23 10 If -- if the reference changed. That's possible. 14:26 11 Q Would that mean that if -- if the EPAct 14:20 12 changed -- 14:23 13 A If the reference in the EPAct was changed 14:23 14 from 90.1 to the IECC. 14:26 15 Q Then that would mean there would be less 14:22 16 adoption of Standard 90.1 into the laws and regulations 14:25 17 of jurisdictions in the United States? 14:20 18 A It's possible, yes. 14:24 19 Q And was ASHRAE concerned about that? 14:26 20 A If -- if that changed, they were. They were 14:23 21 concerned if it changed, yes. 14:29 22 Q Did it change? 14:21 23 A No. 14:23 24 Q Did the DOE ever publicly weigh the option of 14:22 25 changing the EPAct to IECC instead of ASHRAE 90.1? 14:22 Page 130</p>	<p>1 MR. BECKER: It has not been asked. 14:27 2 MR. CUNNINGHAM: Okay. I -- are you -- 14:27 3 is your position here that someone who, by 14:27 4 virtue of being on one of the committees, 14:27 5 essentially speaks for ASHRAE, such that you 14:27 6 can ask Ms. Reiniche to interpret their -- 14:27 7 their documents? 14:27 8 MR. BECKER: Well, if Ms. Reiniche has 14:27 9 an understanding of what this might mean, 14:27 10 particularly because of her senior role with 14:27 11 regards to the development of these standards 14:27 12 and so forth, then I would hope that 14:28 13 Ms. Reiniche can provide that information. 14:28 14 I think that a document such as this 14:28 15 discussing ASHRAE 90.1 2010 falls well within 14:28 16 topic number 1 that she's been designated on. 14:28 17 Q (BY MR. BECKER) I'm sorry, Ms. Reiniche. 14:28 18 Let's see. I asked why do you think there was a 14:28 19 distinction between this growing period and mature -- 14:28 20 maturity period for Standard 90.1? 14:28 21 MR. CUNNINGHAM: Same objection. 14:28 22 THE WITNESS: I think because the 14:29 23 growing period, there's one time frame where 14:29 24 I think they pulled residential out. I think 14:29 25 at one time it included residential. It does 14:29 Page 132</p>
<p>1 A Not that I'm aware of, there hasn't been 14:22 2 anything published where they were going to do that. 14:25 3 (Exhibit 1161 marked for identification.) 14:21 4 Q (BY MR. BECKER) Ms. Reiniche, I'm handing 14:29 5 you what's been marked as Exhibit 1161. This is Bates 14:20 6 number ASHRAE0005677. Do you recognize this document? 14:25 7 A Yes. 14:29 8 Q Could you tell me what this document is? 14:24 9 A This is a presentation given by Stephen 14:27 10 Skalko, who is the chair of 90.1, at a conference on 14:21 11 energy codes 2010. 14:27 12 THE COURT REPORTER: Say that again. 14:27 13 "Who is the chair of 90.1," and -- 14:27 14 THE WITNESS: It's at -- given at an 14:27 15 energy codes conference in 2010 at -- in 14:24 16 Charlotte, North Carolina. 14:28 17 Q (BY MR. BECKER) On page 3 of this document, 14:23 18 Bates number ASHRAE0005679, it says at the top, 14:29 19 "Standard 90.1 Timeline," and it delineates between the 14:25 20 growing period from 1970 to 1999, and then the maturity 14:22 21 period from 1999 to 2010. What does that mean? 14:20 22 MR. CUNNINGHAM: Object to the form. 14:22 23 Matt, do we know if the Steven person, do we 14:23 24 know if he's an ASHRAE staff member? Do 14:28 25 we -- was that asked at any point? 14:21 Page 131</p>	<p>1 not include low-rise residential. 1999 would 14:23 2 have been when we started continuous 14:28 3 maintenance. 14:21 4 Without seeing Mr. Skalko's notes on 14:23 5 this, but based on my knowledge, I think that 14:26 6 these periods are times that -- in the 14:29 7 maturity period shows greater energy savings, 14:23 8 and that's what he's trying to demonstrate in 14:27 9 that timeline. 14:20 10 Q (BY MR. BECKER) Do you know who Mr. Steven 14:21 11 V. Skalko is? 14:23 12 A Yes. 14:25 13 Q And who is he? 14:25 14 A He is the past chair of 90.1. I think he 14:26 15 started after the 2010 version published. 14:23 16 Q And do you have any idea how long Mr. Skalko 14:32 17 has been a member of ASHRAE? 14:30 18 A I would have to look in the ASHRAE records, 14:32 19 but he's been a member longer than I've been there, so 14:35 20 over 11 years. 14:38 21 Q And for as long as you know, has Mr. Skalko 14:32 22 worked on ASHRAE 90.1? 14:36 23 A Yes. 14:32 24 Q And would you say that Mr. Skalko is -- is -- 14:32 25 would you say that Mr. Skalko knows a good deal about 14:39 Page 133</p>

<p>1 ASHRAE Standard 90.1? 14:36 2 A Yes. 14:38 3 MR. FEE: Objection to form. 14:38 4 (Exhibit 1162 marked for identification.) 14:34 5 Q (BY MR. BECKER) I'm handing you what's been 14:34 6 marked as Exhibit 1162. This is Bates number 14:35 7 ASHRAE0026233. Do you recognize this document? 14:34 8 A Yes. 14:38 9 Q And could you tell me what this document is? 14:39 10 A This is a Memorandum of Understanding between 14:31 11 the Department of Energy and ASHRAE. It's not dated, 14:34 12 but I would guess it's sometime in 2007 time frame, 14:35 13 because that's when Terry Townsend was president of 14:39 14 ASHRAE. 14:34 15 Q And is this a signed copy of the Memorandum 14:35 16 of Understanding between the DOE and ASHRAE? 14:39 17 A Yes. 14:34 18 Q Has ASHRAE had multiple Memorandums of 14:35 19 Understanding with the Department of Energy? 14:30 20 A Yes. 14:32 21 Q When did ASHRAE first start having 14:34 22 Memorandums of Understanding with the Department of 14:39 23 Energy? 14:32 24 A After EPAAct was -- when 90.1 was made a 14:34 25 reference in EPAAct. 14:38</p> <p style="text-align: right;">Page 134</p>	<p>1 I don't know why they would choose to do that. I mean, 14:38 2 my -- my guess is their goals are the same as ours, 14:31 3 energy efficient buildings in the United States. So I 14:36 4 would assume they would enter MOUs with whatever 14:38 5 organizations would help them reach that goal. 14:32 6 Q How is it that ASHRAE 90.1 came to be 14:35 7 incorporated into EPAAct? 14:30 8 MR. CUNNINGHAM: Object to form. 14:36 9 THE WITNESS: I am not positive on how 14:37 10 that came about. I would have to check. 14:39 11 Q (BY MR. BECKER) Did ASHRAE staff meet with 14:39 12 the Department of Energy to help facilitate the 14:36 13 incorporation of ASHRAE Standard 90.1 into EPAAct? 14:31 14 A I have -- I'll have to go back and double 14:36 15 check in my records to see. 14:39 16 Q Would it be customary for ASHRAE staff to 14:30 17 meet with members of the Department of Energy prior to 14:37 18 the incorporation of ASHRAE Standard 90.1 into EPAAct? 14:32 19 A It would be customary for ASHRAE staff with 14:38 20 ASHRAE volunteer leadership to go to -- when they were 14:32 21 requesting that type of thing. 14:36 22 (Exhibit 1163 marked for identification.) 14:39 23 Q (BY MR. BECKER) I'm handing you what's been 14:32 24 marked as Exhibit 1163. This is Bates number 14:33 25 ASHRAE0024558. Do you recognize this document? 14:38</p> <p style="text-align: right;">Page 136</p>
<p>1 Q Could you remind me of when that was? 14:30 2 A I think it was '99. 14:32 3 Q Okay. 14:34 4 A Around that time frame. 14:34 5 Q Was that soon after EPAAct? 14:35 6 A I would have to look. 14:31 7 Q Has ASHRAE -- ASHRAE and the DOE continued to 14:36 8 enter into memorandums of understanding to the present 14:33 9 day? 14:36 10 A Yes. 14:37 11 Q How regularly do they do so? 14:37 12 A It -- it varies. It depended -- it depends 14:32 13 on who's at -- who's in charge at the Department of 14:35 14 Energy. We were just working on a new one. I'm not 14:38 15 positive if it's signed yet. 14:33 16 Q Is this typically an annual event? 14:37 17 A Not always annual. Sometimes it's every 14:34 18 couple of years. 14:36 19 Q And is it sometimes an annual event, though? 14:37 20 A Sometimes. 14:39 21 Q And why would the -- why would the leadership 14:32 22 of the Department of Energy reflect or change whether 14:33 23 ASHRAE would enter into a memorandum -- memorandum of 14:38 24 understanding with the Department of Energy? 14:30 25 A I can't speak for the Department of Energy. 14:36</p> <p style="text-align: right;">Page 135</p>	<p>1 A Yes. 14:36 2 Q And what is this document? 14:39 3 A This is a presentation that would have been 14:30 4 made by the D.C. office to tech council and the chapter 14:32 5 technology and transfer committee. I think that's what 14:33 6 CTTC stands for. And it would have been made in -- at 14:36 7 the ASHRAE meeting in Albuquerque, New Mexico, on 14:41 8 June 26, 2010. 14:47 9 Q And what is the purpose of this document, to 14:42 10 your understanding? 14:44 11 A The purpose of this document is for the D.C. 14:45 12 office just to let the CTCC [sic] and tech council know 14:49 13 what they've been doing in D.C. 14:44 14 Q On the third page of Bates number 14:45 15 ASHRAE0024560 titled "Participation Coalitions," it 14:48 16 says, "High-Performance Building Congressional Caucus 14:45 17 Coalition," in parentheses, "ask your representative to 14:49 18 join." 14:43 19 What is that referring to? 14:44 20 A There is a high-performance building caucus 14:45 21 coalition that meets in D.C. It deals with high 14:40 22 performance buildings. Beyond -- that would be beyond 14:44 23 the minimum code. 14:47 24 Q Are these -- and who composes this coalition? 14:40 25 A Oh, there's a lot of different standards 14:48</p> <p style="text-align: right;">Page 137</p>

1 developers that are in part of it. It might even be in 14:41
2 here, it tells you. There's a -- there's a long list. 14:46
3 I don't have that memorized. I don't know if it -- oh, 14:41
4 if you turn to page -- that says ASHRAE0024575, that 14:47
5 shows you who's on the high -- what groups are involved 14:45
6 in the high-performance building congressional caucus 14:40
7 at that time. It includes the representatives and then 14:45
8 the different standards developers that are involved. 14:47
9 Q The code chairs and members that are listed 14:44
10 on that page you just referenced, are these all members 14:46
11 of Congress? 14:49
12 A Yes. 14:40
13 Q What's the purpose of participation in the 14:47
14 high-performance building congressional caucus? 14:40
15 A It's really pro -- promoting doing things for 14:43
16 high-performance buildings, so stretch codes, green 14:47
17 standards, pushing the envelope to make things even 14:41
18 more energy efficient than the minimum code. 14:49
19 Q And is this for the purpose of influencing 14:42
20 these members of Congress so as to have them 14:46
21 incorporate these standards into the law? 14:41
22 MR. CUNNINGHAM: Object to the form. 14:47
23 THE WITNESS: Not that I'm aware of. 14:48
24 Q (BY MR. BECKER) What's the purpose of having 14:40
25 the members of Congress involved? 14:41

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1 A Education. 14:44
2 Q And what is the benefit of educating the 14:45
3 members of Congress? 14:48
4 A So they understand things when things do come 14:49
5 before them when they're making a decision of what to 14:42
6 incorporate into law. 14:44
7 Q So it's to help them with their decisions 14:46
8 to -- as to what to incorporate into reference into the 14:49
9 law? 14:42
10 A Correct. 14:43
11 Q And how does the high-performance building 14:49
12 congressional caucus and the supporting coalition 14:44
13 educate these members of Congress on issues related to 14:40
14 incorporating these -- excuse me, incorporating 14:46
15 standards into the law? 14:40
16 MR. CUNNINGHAM: Object to the 14:43
17 characterization of the prior testimony. 14:45
18 THE WITNESS: They -- my recollection 14:47
19 from the presentations made by the D.C. 14:49
20 office was that they -- they have a lunch, 14:42
21 they sit there and they talk, sometimes they 14:45
22 have an educational session; things like 14:47
23 that. 14:40
24 Q (BY MR. BECKER) So they meet with the 14:44
25 members of Congress? 14:46

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1 A Yeah, about -- I'm not sure they still meet 14:47
2 or how often they still meet. I think it was about 14:40
3 once a month. 14:42
4 Q Do they meet individually with the members of 14:49
5 Congress or as a larger group? 14:41
6 A If they're doing it as the high-performance 14:45
7 building congressional caucus, they're meeting as a 14:48
8 group. If they're advancing something within their 14:41
9 organization, then the supporting coalition would 14:44
10 probably be meeting individual with representatives. 14:47
11 Q On page ASHRAE0024568, it says, 14:45
12 "Legislation," with an image of the capitol building, 14:43
13 and then it says, "ASHRAE Washington, D.C." 14:48
14 A Um-hmm. 14:43
15 Q Then on the following page it says, "American 14:43
16 Clean Energy and Security Act, HR 2454 a/k/a 14:46
17 Waxman-Markey, sets national building code energy 14:42
18 efficiency targets." 14:49
19 Then two bullet points down it says, "Uses 14:42
20 ASHRAE 90.1-2004 and" E -- "IECC 2006 as baselines." 14:45
21 Does ASHRAE advocate for the use of earlier 14:48
22 versions of 90.1 in Standard -- excuse me, in -- in 14:45
23 laws or regulations? 14:44
24 A That's not what this refers to. 14:44
25 Q What does that refer to? 14:46

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1 A This refers to as part of EPAct the 14:48
2 Department of Energy is required to determine how much 14:41
3 more energy efficient 90.1 -- and when they're talking 14:45
4 about the IECC 2006, they're talking about the 14:49
5 residential code. That's where that falls in there. 14:44
6 And they want to do it -- set it at a 14:48
7 baseline, so each consecutive every three years. So 14:41
8 for example, 90.1-2007 has to be more energy efficient 14:44
9 than -- so much more energy efficient than 90.1-2004 14:49
10 They measure that. If it's not more energy efficient, 14:44
11 then they wouldn't adopt that. And then for 90.1-2010. 14:49
12 They are just taking a baseline target to measure the 14:40
13 amount of energy efficiency so that it's not in flux 14:43
14 and cause market confusion. 14:48
15 And the same with the IECC. That's -- but 14:40
16 the IECC refers only to the residential, not to 14:42
17 commercial in this instance. 14:46
18 Q Does ASHRAE 90.1-2004 refer only to 14:44
19 residential and not commercial in this instance? 14:49
20 A No, 90.1-2004 is commercial. There's two 14:41
21 codes in that reference, two different codes. 14:44
22 Q So in this instance, if you had a -- a 14:47
23 commercial building, then ASHRAE 90.1-2004 would be the 14:41
24 baseline standard and not be IECC 2006? 14:48
25 A No. 14:43

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<p>1 Q How am I mistaken? 14:45</p> <p>2 A What this proposed legislation was, was to 14:48</p> <p>3 set the baseline for which the DOE uses to make the 14:43</p> <p>4 determination on whether or not the next version of 14:47</p> <p>5 90.1 is more energy efficient. So this was proposing 14:40</p> <p>6 to use 90.1-2004 as the benchmark for each subsequent 14:44</p> <p>7 version of 90.1. 14:48</p> <p>8 And then -- and that's only commercial. And 14:40</p> <p>9 then the IECC is for residential. They're referenced 14:43</p> <p>10 as the residential. What's being advocated here is 14:48</p> <p>11 that you use the IECC 2006 as the baseline for each 14:41</p> <p>12 subsequent version of the IECC for residential moving 14:46</p> <p>13 forward as for energy efficiency. 14:49</p> <p>14 Q Okay. Does the IECC itself refer to 14:42</p> <p>15 commercial buildings or is it only for residential 14:49</p> <p>16 buildings? 14:42</p> <p>17 A There -- there's different I-codes within the 14:46</p> <p>18 IECC. So there's the IRC, which is residential, but 14:40</p> <p>19 it's part of the whole body of codes. So the IECC for 14:43</p> <p>20 residential is just the energy efficiency stuff for 14:40</p> <p>21 residential home -- residential stuff. 14:44</p> <p>22 Q On the following page, it says, "American 14:55</p> <p>23 Clean Energy Leadership Act, S.1462." It says, 14:58</p> <p>24 "Introduced by Senator Jeff Bingaman, D-NM. Updates 14:51</p> <p>25 national building energy codes and standards at least 14:58</p> <p style="text-align: right;">Page 142</p>	<p>1 the -- but we explained that once you -- as you get 14:50</p> <p>2 above -- when you're going between the 30 and the 50 14:53</p> <p>3 percent, it gets more and more difficult to have 14:55</p> <p>4 cost-effective equipment and things like that and -- in 14:58</p> <p>5 there. So it -- it wasn't put in the law. 14:52</p> <p>6 Q On page ASHRAE0024581, it says, "Additional 14:58</p> <p>7 Washington office activities." And it says for the 14:56</p> <p>8 third major bullet point, "Building code adoptions," 14:56</p> <p>9 and then under that, "Standard 90.1 and Standard 14:50</p> <p>10 189.1/IGCC promotion." 14:54</p> <p>11 Does this mean that the Washington office was 14:50</p> <p>12 engaged in promoting the adoption of Standard 90.1 into 14:54</p> <p>13 building codes? 14:50</p> <p>14 A I don't remember. And without seeing it, if 14:55</p> <p>15 he -- he didn't have notes with it, so I don't think it 14:59</p> <p>16 was at a building code level. I think that's something 14:52</p> <p>17 they were talking about expanding in the grassroots. 14:57</p> <p>18 That was not done at that time. 14:52</p> <p>19 Q So that's something -- is that something 14:53</p> <p>20 that's done in -- at this time? 14:55</p> <p>21 A We have started a grassroots program to reach 14:51</p> <p>22 out when we are made aware of references to -- to 14:53</p> <p>23 different standards. And we could ask volunteers in 14:58</p> <p>24 those jurisdictions to go. 14:52</p> <p>25 Q And when you say "a grassroots program," who 14:53</p> <p style="text-align: right;">Page 144</p>
<p>1 every three years to achieve target energy savings of," 14:51</p> <p>2 and then it -- four bullet points down from that, it 14:55</p> <p>3 says, "If DOE determines ASHRAE's future revised model 14:50</p> <p>4 codes will not meet targets, DOE will propose or 14:55</p> <p>5 establish a modified code or standard that meets the 14:58</p> <p>6 above targets. Uses 90.1-2004 as baseline for 14:50</p> <p>7 commercial buildings IECC 2006 for residential." 14:56</p> <p>8 When it references "Uses 90.1-2004 as 14:59</p> <p>9 baseline for commercial buildings," is that in the same 14:53</p> <p>10 capacity as the reference on the prior page that you 14:56</p> <p>11 were just referring to? 14:59</p> <p>12 A Yes. One is a bill proposed in the House; 14:51</p> <p>13 one is a bill proposed in the Senate. 14:54</p> <p>14 Q Did the Department of Energy propose or 14:53</p> <p>15 establish a modified code or a standard that met the 14:56</p> <p>16 above targets on page ASHRAE0024570? 14:50</p> <p>17 A This is -- this proposed language is not 14:58</p> <p>18 in -- in law at this particular time. This was -- this 14:51</p> <p>19 was talking about what was being proposed at this point 14:55</p> <p>20 in time in 2010. 14:50</p> <p>21 Q What was the outcome? 14:53</p> <p>22 A I don't -- I don't think they set -- I don't 14:56</p> <p>23 believe that they set targets, because it's -- as part 14:59</p> <p>24 of the -- these codes, it has to be cost effective. 14:56</p> <p>25 And as ASHRAE explained -- and I'm not sure if it's 14:51</p> <p style="text-align: right;">Page 143</p>	<p>1 is involved in the grassroots program? 14:57</p> <p>2 A It's -- it's the individual ASHRAE chapters 14:50</p> <p>3 within each state, and then each -- you know, there's 14:52</p> <p>4 multiple chapters within a state. So whoever is 14:55</p> <p>5 closest to wherever the decision is being made. 14:58</p> <p>6 Q And so this is -- the grassroots program 14:52</p> <p>7 works to advocate for building code adoptions -- 14:59</p> <p>8 adoptions of Standard 90.1 into building codes -- 14:54</p> <p>9 MR. CUNNINGHAM: Objection. 14:58</p> <p>10 Q (BY MR. BECKER) -- in states and local 14:59</p> <p>11 governments? 14:51</p> <p>12 MR. CUNNINGHAM: Objection, 14:52</p> <p>13 mischaracterization of prior testimony. 14:53</p> <p>14 THE WITNESS: It could include Standard 14:54</p> <p>15 90.1. It could include any other -- our 14:56</p> <p>16 other standards as well. 14:59</p> <p>17 Q (BY MR. BECKER) And at the bottom of this 14:54</p> <p>18 page, it says, "Empowering chapters to engage state and 14:56</p> <p>19 local policy-makers." Do you know what that 14:59</p> <p>20 references? 14:52</p> <p>21 A That's referencing what I was talking about, 14:53</p> <p>22 the grassroots, and encouraging local chapters to talk 14:55</p> <p>23 to their state and local policy makers. 14:51</p> <p>24 Q And on the next page, it says, "Opportunities 14:55</p> <p>25 for individual member participation. Contact state and 14:59</p> <p style="text-align: right;">Page 145</p>

<p>1 marked as Exhibit 1174. Could you please tell me what 15:42 2 this document is? 15:42 3 A This is a subset, I think, of another email 15:42 4 exchange related to Exhibit 1170 where Mark indicates 15:43 5 that this correction was made by Jim Calm. 15:43 6 (Exhibit 1175 marked for identification.) 15:44 7 Q (BY MR. BECKER) I'm handing you what's been 15:44 8 marked as Exhibit 1175. Do you recognize this 15:44 9 document? 15:45 10 A Yes. 15:45 11 Q And could you tell me what this document is? 15:45 12 A This is a Certificate of Registration with 15:45 13 the United States Copyright Office for the 1993 ASHRAE 15:45 14 Handbook: Fundamentals Inch-Pound Edition. 15:45 15 Q What is the 1999 ASHRAE Handbook: 15:45 16 Fundamentals? 15:45 17 A It covers a variety of topics. I would have 15:45 18 to look at the inside cover to tell you every topic 15:45 19 that it covers. 15:45 20 Q What's the purpose of the 1993 ASHRAE 15:45 21 Handbook: Fundamentals? 15:45 22 A It's a -- it's a tool for engineers to use 15:45 23 when they're working with the topics covered in that 15:45 24 book. 15:45 25 Q Is the 1993 ASHRAE Handbook: Fundamentals 15:45 Page 158</p>	<p>1 A Yes. 15:44 2 Q Can you tell me what this document is? 15:44 3 A This document is the letter that gets sent to 15:46 4 the project committee that shows the public review 15:49 5 comments for BSR/ASHRAE/IESNA Addenda S, T, and X to 15:43 6 ANSI/ASHRAE/IESNA Standard 90.1-2007. 15:45 7 Q And if you look at the sixth, seventh, 15:40 8 eighth, ninth, and I believe tenth page of this 15:47 9 document, are those copyright releases on all of those 15:51 10 pages I mentioned? 15:59 11 A Yes. 15:57 12 Q And who are those copyright releases from? 15:57 13 A Larry Spielvogel. 15:50 14 Q Do you know who Larry Spielvogel is? 15:54 15 A Yes. 15:58 16 Q Who is Mr. Spielvogel? 15:58 17 A He is an ASHRAE member. 15:50 18 Q Has Mr. Spielvogel ever been an employee of 15:52 19 ASHRAE? 15:57 20 A No. 15:57 21 Q Do Mr. Spielvogel's proposed contributions 15:50 22 appear in this document? 15:54 23 A Actually, yes. 15:56 24 Q And where is that? 15:59 25 A Under -- on the page labeled ASHRAE0013966, 15:51 Page 160</p>
<p>1 referenced in ASHRAE Standard 90.1? 15:46 2 A I would have to look. 15:46 3 (Exhibit 1176 marked for identification.) 15:46 4 Q (BY MR. BECKER) I'm handing you what's been 15:46 5 marked as Exhibit 1176. This is Bates number 15:46 6 ASHRAE0001592. Could you -- do you recognize this 15:46 7 document? 15:46 8 A Yes. 15:46 9 Q And could you please tell me what it is? 15:46 10 A Well, the first page labeled ASHRAE001592 is 15:47 11 the certification -- Certificate of Registration with 15:47 12 the United States Copyright Office for ANSI/ASHRAE/IES 15:47 13 Standard 90.1-2010 IP Edition. 15:47 14 For the page labeled ASHRAE0001594, that is 15:47 15 the Certificate of Registration with the United States 15:47 16 Copyright Office for ANSI/ASHRAE/IESNA 15:47 17 Standard 90.1-2007 IP Edition. 15:47 18 For the page labeled ASHRAE001596, this is 15:47 19 the Certificate of Registration with the United States 15:47 20 Copyright Office for ANSI/ASHRAE/IESNA 15:48 21 Standard 90.1-2004 IP -- IP Edition. 15:48 22 (Exhibit 1177 marked for identification.) 15:48 23 Q (BY MR. BECKER) I'm handing you what's been 15:48 24 marked as Exhibit 1177. It's the document beginning 15:48 25 with ASHRAE0013961. Do you recognize this document? 15:48 Page 159</p>	<p>1 under 4 "Comment (Proposed Text)," it says, "Do not 15:52 2 approve and do not publish this addendum." 15:52 3 Q So these are his contributions, then, as to 15:52 4 say "Do not approve and do not publish this addendum" 15:52 5 that he's referring to? 15:52 6 A That is correct. 15:52 7 Q If you turn to the page ASHRAE0013973, is 15:52 8 that another signed copyright release on that page? 15:53 9 A Yes. 15:53 10 Q And in that instance, has it been signed and 15:53 11 also had the -- the name of the individual inserted? 15:53 12 A Yes. 15:53 13 Q And who is that individual? 15:53 14 A James Calm. 15:53 15 Q And what is Mr. Calm's relationship to 15:53 16 ASHRAE, if any? 15:53 17 A He's a member of ASHRAE. 15:53 18 Q And has Mr. Calm ever been an employee of 15:53 19 ASHRAE? 15:53 20 A No. 15:53 21 Q And Mr. Calm's contribution on the following 15:53 22 page, is that "Disapprove proposed revisions in 15:53 23 Addendum S"? 15:54 24 A That would be his comment, yes. 15:54 25 Q And then if you turn to ASHRAE0013982, is 15:54 Page 161</p>

<p>1 for time at the time. 16:58</p> <p>2 Q (BY MR. BECKER) How did you know that she 16:50</p> <p>3 was -- that Ms. Ramspeck was referring to 16:52</p> <p>4 Public.Resource.Org when she said "Did you know that 16:56</p> <p>5 there has been a big increase in the number of 16:59</p> <p>6 copyrighted docs beginning in January"? 16:51</p> <p>7 A Because I knew about the SMACNA things, and 16:57</p> <p>8 so staff was watching to see what copyrighted documents 16:52</p> <p>9 were out there, if they belonged to ASHRAE. 16:56</p> <p>10 Q And so there was sufficient discussion of 16:56</p> <p>11 Public.Resource.Org in February of 2013 that without 16:59</p> <p>12 even referencing Public.Resource.Org, you knew that 16:54</p> <p>13 Ms. Ramspeck was referring to Public.Resource.Org? 16:58</p> <p>14 MR. CUNNINGHAM: Objection to the form. 16:51</p> <p>15 THE WITNESS: At that time, we would 16:55</p> <p>16 have discussed Public.Resource.Org, and I 16:56</p> <p>17 would have known that's what she was 16:59</p> <p>18 referring to. 16:51</p> <p>19 Q (BY MR. BECKER) What is the purpose of the 16:59</p> <p>20 IPRPC? 16:52</p> <p>21 MR. FEE: Objection, lack of 16:54</p> <p>22 foundation. 16:55</p> <p>23 MR. CUNNINGHAM: Objection. 16:56</p> <p>24 THE WITNESS: It's -- it's dealing with 16:59</p> <p>25 intellectual property mostly, things -- or 16:52</p> <p style="text-align: right;">Page 190</p>	<p>1 our Standard 188 posted on company websites 16:57</p> <p>2 without seeking permission from me first to 16:51</p> <p>3 post it after the public review period has 16:53</p> <p>4 ended. And I've sent letters to ask them to 16:56</p> <p>5 remove it, and they are removed. 16:58</p> <p>6 Q (BY MR. BECKER) Is ASHRAE aware of 16:56</p> <p>7 infringement or potential infringement on file-sharing 16:59</p> <p>8 websites of ASHRAE standards? 16:53</p> <p>9 MR. CUNNINGHAM: Same objection. 16:55</p> <p>10 THE WITNESS: I'm not aware of those. 16:57</p> <p>11 MR. BECKER: We can take a break here. 16:57</p> <p>12 THE VIDEOGRAPHER: Going off the record 16:50</p> <p>13 at 16:58. 16:52</p> <p>14 (Recess taken.) 17:19</p> <p>15 THE VIDEOGRAPHER: Going on the record 17:24</p> <p>16 at 17:24. 17:26</p> <p>17 Q (BY MR. BECKER) Ms. Reiniche, could you 17:25</p> <p>18 please refer again to Exhibits 1175 and 1176. Those 17:26</p> <p>19 are the certificates of registration from the copyright 17:22</p> <p>20 office. 17:27</p> <p>21 A Okay. 17:28</p> <p>22 Q Ms. Reiniche, does ASHRAE claim to be the 17:20</p> <p>23 author of standard -- of the editions of Standard 90.1 17:24</p> <p>24 that are listed in Exhibit 1176? 17:20</p> <p>25 MR. CUNNINGHAM: Objection to the 17:27</p> <p style="text-align: right;">Page 192</p>
<p>1 things like patents and some, I guess, quasi 16:56</p> <p>2 legal things. 16:56</p> <p>3 Q (BY MR. BECKER) How much of the discussion 16:56</p> <p>4 in IPRPC relates to Public.Resource.Org? 16:56</p> <p>5 MR. FEE: Objection to form. 16:56</p> <p>6 THE WITNESS: On the items I have either 16:56</p> <p>7 seen in email or when I've been able to 16:56</p> <p>8 participate remotely on their calls, minimal. 16:56</p> <p>9 Q (BY MR. BECKER) Is ASHRAE concerned about 16:57</p> <p>10 alleged copyright infringement by other entities other 16:57</p> <p>11 than Public.Resource.Org? 16:57</p> <p>12 MR. CUNNINGHAM: Objection to scope and 16:57</p> <p>13 to the form. 16:57</p> <p>14 THE WITNESS: Of course. We don't -- we 16:57</p> <p>15 don't allow other people to post copyrighted 16:57</p> <p>16 material or anywhere else. If -- when we're 16:57</p> <p>17 made aware of it, we ask for it to be 16:57</p> <p>18 removed. 16:57</p> <p>19 Q (BY MR. BECKER) Where has ASHRAE seen 16:57</p> <p>20 infringement of its standards? 16:57</p> <p>21 MR. CUNNINGHAM: Same objection. 16:57</p> <p>22 THE WITNESS: I'm -- I'm not privy to 16:57</p> <p>23 every single time. I don't -- it's not 16:57</p> <p>24 related to 90.1, but I know that there have 16:57</p> <p>25 been public review drafts of, for example, 16:57</p> <p style="text-align: right;">Page 191</p>	<p>1 form. 17:27</p> <p>2 THE WITNESS: Yes. 17:28</p> <p>3 Q (BY MR. BECKER) And does ASHRAE claim to be 17:20</p> <p>4 the author of the 1993 ASHRAE Handbook: Fundamentals as 17:22</p> <p>5 listed in Exhibit 1175? 17:28</p> <p>6 MR. CUNNINGHAM: Same objection. 17:21</p> <p>7 THE WITNESS: Yes. 17:27</p> <p>8 Q (BY MR. BECKER) Is ASHRAE the sole author of 17:28</p> <p>9 these works? 17:20</p> <p>10 MR. CUNNINGHAM: Same objection. 17:20</p> <p>11 THE WITNESS: It's the members of the 17:27</p> <p>12 project committee as -- as part of their 17:29</p> <p>13 membership that agreed to write the document 17:23</p> <p>14 and -- and have it attributed to ASHRAE. 17:25</p> <p>15 Q (BY MR. BECKER) And the members of the 17:29</p> <p>16 project committee are not employees of ASHRAE, correct? 17:20</p> <p>17 A That's correct. 17:23</p> <p>18 Q And so what is the basis for ASHRAE's claim 17:28</p> <p>19 that it's the author of these works? 17:21</p> <p>20 MR. CUNNINGHAM: Objection to the form, 17:25</p> <p>21 calls for a legal conclusion. 17:26</p> <p>22 THE WITNESS: As a basis of the signed 17:20</p> <p>23 copyright assignments that all the members 17:22</p> <p>24 sign when they apply for membership, that the 17:25</p> <p>25 commenters sign when they submit a comment 17:29</p> <p style="text-align: right;">Page 193</p>

<p>1 and that the members that submit change -- or 17:21 2 the public that submits change proposals sign 17:26 3 when they submit a change proposal. 17:29 4 Q (BY MR. BECKER) Has ASHRAE ever compensated 17:24 5 any of the members of the project committee for the 17:26 6 sale of any of the works at issue? 17:23 7 A No. 17:26 8 Q Ms. Reiniche, is the project committee for 17:27 9 Standard 90.1 in charge of the selection and 17:23 10 arrangement of the content of Standard 90.1? 17:28 11 A Yes. 17:28 12 Q Is anybody else responsible for the selection 17:23 13 and arrangement of standard -- of the content of 17:27 14 Standard 90.1? 17:23 15 A The selection of the content, no. The 17:24 16 arrangement, they're not going to change the order, but 17:20 17 the formatting in terms of, you know, the two-column 17:22 18 format, it could switch from one to two column after 17:26 19 public review is done by public -- our publications 17:20 20 department. 17:23 21 Q And who made the decision to switch it from 17:24 22 one column to two column? 17:28 23 A That would have been Steve Comstock would 17:21 24 have decided to -- I believe the standard was 17:24 25 originally one column. When they go out for public 17:27</p> <p style="text-align: right;">Page 194</p>	<p>1 A These are the minutes from the 90.1 meeting 17:38 2 for sure from Saturday, January 24th, 2004. Then 17:34 3 from -- and it also includes the minutes from the 17:31 4 meeting on Sunday, January -- January 25th, 2004. Hang 17:35 5 on. They usually have more than -- another meeting. 17:35 6 And from Monday, January 26, 2004. 17:30 7 Q And could you please turn to page 8? 17:33 8 A 8? 17:39 9 Q Yes. Section 10 on page 8 includes the 17:39 10 marketing task force ad hoc subcommittee update. And 17:30 11 it says in the second and third sentence, it says, "The 17:39 12 discussion included the question of who is the customer 17:33 13 for Standard 90.1. Chris stated that the subcommittee 17:37 14 has one customer that it has failed to fulfill the 17:32 15 needs of, and that is the Department of Energy, DOE." 17:37 16 Does ASHRAE consider the Department of Energy 17:33 17 to be a customer? 17:35 18 A It would be one customer. 17:38 19 (Exhibit 1194 marked for identification.) 17:31 20 Q (BY MR. BECKER) Ms. Reiniche, I'm handing 17:38 21 you a document that has been marked as Exhibit 1194. 17:30 22 This is Bates number ASHRAE0006892. Can you tell me 17:34 23 what this document is? 17:33 24 A This document is an ASHRAE 90.1 questionnaire 17:34 25 summary combined -- compiled by Valerie Block, the 17:38</p> <p style="text-align: right;">Page 196</p>
<p>1 review, we put it in one column, because it's easier 17:20 2 for people to read one column, you know, and we don't 17:22 3 have to mess with the formatting. 17:25 4 Then because of the length, I believe they 17:29 5 switched to a two-column format for publication. 17:21 6 And -- and that's -- that's why they did it, so the -- 17:24 7 your printed copy isn't, you know, 3 inches thick 17:29 8 versus an inch and a half thick. 17:24 9 Q So when you say two-column format, you mean 17:27 10 the text appears in two columns on the page, as opposed 17:28 11 to just being a single column on the page? 17:23 12 A That's correct. 17:25 13 Q And is that the only change in arrangement 17:23 14 that's performed by ASHRAE staff? 17:27 15 A By publications, they might correct the 17:20 16 numbering of a section if the committee changed 17:23 17 something and the numbering was off, but it's just to 17:25 18 make it format correctly for -- on the publication 17:28 19 side. 17:23 20 (Exhibit 1193 marked for identification.) 17:24 21 Q (BY MR. BECKER) Ms. Reiniche, I'm handing 17:30 22 you what's been marked as Exhibit 1193. This is Bates 17:31 23 number ASHRAE0001628. Do you recognize this document? 17:37 24 A Yes. 17:33 25 Q Can you tell me what this document is? 17:35</p> <p style="text-align: right;">Page 195</p>	<p>1 chair of the 90.1 marketing committee. 17:33 2 Q And can you tell me what the purpose of this 17:32 3 questionnaire summary was? 17:35 4 A The purpose of -- of the questionnaire or the 17:36 5 summary -- summary? 17:39 6 Q Of the summary itself. 17:31 7 A It was to give information to the committee 17:32 8 on what -- the opinions of the users of the standard 17:37 9 were. 17:31 10 Q And which committee was that? 17:32 11 A 90.1. 17:33 12 (Exhibit 1195 marked for identification.) 17:38 13 Q (BY MR. BECKER) Ms. Reiniche, I'm handing 17:38 14 you what's been marked as Exhibit 1195. Bates labeled 17:30 15 ASHRAE0024267. Do you recognize this document? 17:35 16 A This is -- yes. 17:30 17 Q And can you tell me what this document is? 17:32 18 A This is a document where the president of 17:39 19 ASHRAE was asking for the committee on utilities and 17:38 20 energy to consider a building energy labeling program 17:33 21 that was being developed by ASHRAE. This is the 17:38 22 building energy quotient, but it's not -- it's not a 17:36 23 90.1 tool. 17:31 24 (Exhibit 1196 marked for identification.) 17:34 25 Q (BY MR. BECKER) Ms. Reiniche, I'm handing 17:34</p> <p style="text-align: right;">Page 197</p>

1 you what's been marked as Exhibit 1196, ASHRAE Bates 17:35
2 number 0024287. Do you recognize this document? 17:39
3 A Yes. 17:30
4 Q And could you tell me what this document is? 17:32
5 A This is a letter from -- who would have been 17:34
6 the president of ASHRAE at the time in 2009, Gordon 17:38
7 Holness, to President Obama talking about as we're 17:33
8 working towards energy efficiency, where we have agreed 17:31
9 to try to -- the project committee to be 30 percent 17:35
10 more energy efficient from 2004, version of 17:31
11 Standard 90.1 to the 2010 version. 17:34
12 And it also mentions our Building Energy 17:39
13 Quotient BEQ program that provides people with energy 17:32
14 use of buildings and to ask that the -- while they're 17:36
15 implementing the executive order, that they look at 17:35
16 considering using the building EQ program. 17:38
17 (Exhibit 1197 marked for identification.) 17:39
18 Q (BY MR. BECKER) Ms. Reiniche, I'm handing 17:33
19 you what's been marked as Exhibit 1197. Do you 17:34
20 recognize this document? 17:37
21 A Yes. 17:30
22 Q And can you tell me what this document is? 17:31
23 A This is an ASHRAE Facts and Stats document 17:35
24 that D.C. folks would leave with congressional staff 17:39
25 members. 17:37

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1 Q And what was the purpose of leaving this with 17:37
2 congressional staff members? 17:30
3 A Just to give you a -- give them information 17:31
4 about what ASHRAE is, what our expertise is in, and 17:33
5 about our standards, our research program, 17:30
6 publications, continuing education; just ASHRAE as a 17:33
7 whole. 17:37
8 (Exhibit 1198 marked for identification.) 17:39
9 Q (BY MR. BECKER) Ms. Reiniche, I'm handing 17:34
10 you what's -- what's been marked as Exhibit 1198, Bates 17:35
11 number ASHRAE0024393. Do you recognize this document? 17:30
12 A Yes. 17:37
13 Q And what is this document? 17:37
14 A This is another sort of fact sheet type thing 17:39
15 that ASHRAE does to educate the staff members of the 17:32
16 legislature about ASHRAE's role in energy efficiency 17:36
17 and our views on how to get there. 17:31
18 (Exhibit 1199 marked for identification.) 17:33
19 Q (BY MR. BECKER) Ms. Reiniche, I'm handing 17:42
20 you what's been marked as Exhibit 1199. This is Bates 17:45
21 labeled ASHRAE0024624. Do you recognize this document? 17:40
22 A Yes. 17:40
23 Q And what is this document? 17:41
24 A These are -- this is an email that shows the 17:42
25 notes from what would have been an ASHRAE leadership 17:45

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1 meeting with different organizations in Washington, 17:41
2 D.C. 17:41
3 Q And when you say what would have been an 17:41
4 ASHRAE leadership meeting with different organizations 17:41
5 in Washington, D.C., do you mean it was a meeting that 17:41
6 did occur? 17:41
7 A Yes. 17:41
8 Q Is it clear to you who the participants of 17:42
9 this meeting would have been? 17:42
10 MR. FEE: Can I see this document before 17:42
11 you get into this any further? 17:42
12 Okay. 17:42
13 THE WITNESS: Well, I can tell from the 17:42
14 ASHRAE side, based on this email, that Lynn 17:42
15 Bellenger, Ron Jarnigan, Tom Watson, Jeff 17:43
16 Littleton, Doug Read, and Mark Ames would 17:43
17 have been at these meetings. Some of them I 17:43
18 can -- it appears from this that OSTP had 17:43
19 Kevin Hurst there. 17:43
20 Q (BY MR. BECKER) That's fine if you -- 17:43
21 A I mean, I would have to -- I mean, some of 17:43
22 them I can tell that -- you know, who was there, I can 17:43
23 tell which organizations were there, but some I can 17:43
24 tell by the way the notes were written who was there, 17:43
25 and some I cannot. I can -- if it would be easier, I 17:44

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1 can tell you what organizations appears. 17:44
2 Q Yes, if you could say which organizations. 17:46
3 A So -- and this -- my recollection of the 17:40
4 leadership meetings, typically it's more -- more than 17:46
5 one meeting, so they weren't all in one meeting 17:48
6 together, so these would have been notes from all of 17:40
7 their meetings. 17:42
8 So they would have talked with the EPA, 17:45
9 DOE -- sorry, the page is sticking -- FEMP, NEMA, ASE, 17:48
10 AHRI, NASEO, N-A-S-E-O, and that looks to be it. 17:42
11 Q Okay. So it's all of the organizations that 17:48
12 are -- that are listed as individual acronyms at the 17:40
13 top of each paragraph section? 17:40
14 A Right. 17:41
15 Q And would those have been separate meetings 17:44
16 with each individually? 17:46
17 A Some of them could have been clumped 17:47
18 together, some of them could have been separate. It's 17:41
19 hard to tell from this email string how those occurred. 17:43
20 But sometimes they have it where they're going to meet 17:49
21 with these three organizations and then these three 17:42
22 organizations; something like that. 17:44
23 (Exhibit 1200 marked for identification.) 17:49
24 Q (BY MR. BECKER) I'm handing you what's been 17:45
25 marked as Exhibit 1200. This is Bates labeled 17:46

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<p>1 standards at issue here. 18:03</p> <p>2 THE WITNESS: This email relates to 18:06</p> <p>3 Standard 161-2007. That's indoor air quality 18:08</p> <p>4 for commercial aircrafts. And it's about a 18:04</p> <p>5 congressional committee considering an FAA 18:09</p> <p>6 reauthorization bill and wants to know if -- 18:01</p> <p>7 if the members of 161 are supportive of this 18:06</p> <p>8 bill. 18:01</p> <p>9 Q (BY MR. BECKER) And in the top email, 18:05</p> <p>10 Mr. Weber's communication, he says, "Ladies and 18:01</p> <p>11 Gentlemen, below is an email from Ryan Colker, manager 18:06</p> <p>12 of government affairs in the ASHRAE Washington office. 18:09</p> <p>13 ASHRAE is encouraging legislators to adopt ASHRAE 18:03</p> <p>14 Standard 161-2007 and intends on sending the attached 18:07</p> <p>15 letter early next week. Ryan would like to make the 18:03</p> <p>16 SSPC aware of the intentions and would like to know if 18:07</p> <p>17 their organizations are willing to support the 18:01</p> <p>18 adoption." 18:04</p> <p>19 Is one of the roles of government -- ASHRAE's 18:09</p> <p>20 government affairs office in Washington, D.C., to 18:02</p> <p>21 encourage legislators to adopt ASHRAE standards? 18:06</p> <p>22 A If it's relevant to a bill that the 18:01</p> <p>23 legislature is -- is drafting. 18:08</p> <p>24 Q Does that include encouraging legislators to 18:01</p> <p>25 adopt ASHRAE Standard 90.1? 18:04</p> <p style="text-align: right;">Page 210</p>	<p>1 if we could get comp copies to send to HUD to 18:01</p> <p>2 consider it, and Mark indicated that's 18:04</p> <p>3 probably very likely. 18:07</p> <p>4 And then they ask for the -- where to 18:00</p> <p>5 send it, to Rhonda from -- Rhonda Dickerson, 18:03</p> <p>6 who I'm assuming is from HUD. And instead of 18:08</p> <p>7 using the paper comment -- paper format, they 18:02</p> <p>8 sent a PDF copy that -- indicating it wasn't 18:08</p> <p>9 to be distributed outside of the HUD 18:12</p> <p>10 manufacturing housing consensus committee and 18:15</p> <p>11 not to reprint without ASHRAE permission. 18:18</p> <p>12 Q (BY MR. BECKER) You are a recipient of this 18:13</p> <p>13 email; is that correct? 18:15</p> <p>14 A Yes. 18:17</p> <p>15 Q What does HUD stand for? 18:10</p> <p>16 A Housing Urban Development. 18:14</p> <p>17 Q And is that a federal agency? 18:17</p> <p>18 A Yes. 18:11</p> <p>19 Q Is it common for ASHRAE to provide copies of 18:10</p> <p>20 ASHRAE standards to members of government when they are 18:16</p> <p>21 considering incorporating that standard into 18:10</p> <p>22 legislation or regulation? 18:14</p> <p>23 A If it's been requested, we typically will 18:17</p> <p>24 provide a copy for them to review, yes. 18:10</p> <p>25 Q And that would be a complimentary copy, 18:13</p> <p style="text-align: right;">Page 212</p>
<p>1 A If it's related to a legislation that they're 18:07</p> <p>2 creating. 18:00</p> <p>3 Q So if -- for clarity, if the -- if standard 18:01</p> <p>4 ASHRAE 90.1 is related to the legislation that's being 18:09</p> <p>5 created, then the Washington office of ASHRAE might 18:03</p> <p>6 encourage the adoption of Standard 90.1 into that 18:08</p> <p>7 legislation? 18:03</p> <p>8 A Yes, in consultation with ASHRAE leadership 18:05</p> <p>9 and those with relevant technical expertise. 18:09</p> <p>10 (Exhibit 1207 marked for identification.) 18:09</p> <p>11 Q (BY MR. BECKER) I'm handing you what's been 18:07</p> <p>12 marked as Exhibit 1207. Could you please take a moment 18:08</p> <p>13 to read this document and tell me what it is? 18:02</p> <p>14 MR. CUNNINGHAM: Same objection as the 18:02</p> <p>15 last document. This is outside the scope and 18:03</p> <p>16 irrelevant, as it doesn't relate to the 18:06</p> <p>17 standards at issue. 18:08</p> <p>18 THE WITNESS: So this is an email where 18:05</p> <p>19 Mike Lubliner, who was involved in 62.2, said 18:09</p> <p>20 he was talking with HUD and about having them 18:05</p> <p>21 adopt 62.2 and asked -- and discussing with 18:00</p> <p>22 Steve Emmerich, who I believe was the chair 18:06</p> <p>23 at that time, about who could speak on that. 18:08</p> <p>24 And then they asked Mark Weber if we 18:03</p> <p>25 could -- who is the staff liaison for 62.2, 18:07</p> <p style="text-align: right;">Page 211</p>	<p>1 correct? 18:11</p> <p>2 A That is correct. 18:11</p> <p>3 (Exhibit 1208 marked for identification.) 18:11</p> <p>4 Q (BY MR. BECKER) Ms. Reiniche, I'm handing 18:11</p> <p>5 you what's been marked as Exhibit 1208. This has been 18:11</p> <p>6 produced as ASHRAE0024209. Do you recognize this 18:12</p> <p>7 document? 18:12</p> <p>8 MR. CUNNINGHAM: Object to this document 18:12</p> <p>9 as it also appears to relate to standards 18:12</p> <p>10 other than those that are at issue in this 18:12</p> <p>11 case. 18:12</p> <p>12 THE WITNESS: Yes, I recognize the 18:12</p> <p>13 document. 18:12</p> <p>14 Q (BY MR. BECKER) And what is this document? 18:12</p> <p>15 A This is a document from Terry Townsend, who 18:12</p> <p>16 would have been the president of ASHRAE in 2007, to 18:13</p> <p>17 Andrew Fanara from EPA Energy Star Program. And it's 18:13</p> <p>18 about a draft report to Congress on server and 18:13</p> <p>19 datacenter energy efficiency. 18:13</p> <p>20 And he's talking about the -- how ASHRAE is 18:13</p> <p>21 involved in that and the majority of this deals with 18:13</p> <p>22 our technical committee 9.9, which is missing critical 18:13</p> <p>23 facilities and the work they've done in the different 18:13</p> <p>24 publications they have, thermal guidelines for data 18:13</p> <p>25 processing equipment. And -- and then they had 18:13</p> <p style="text-align: right;">Page 213</p>

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CERTIFICATE
STATE OF GEORGIA:
COUNTY OF FULTON:

I, SHARON A. GABRIELLI, HEREBY CERTIFY that
the foregoing deposition was taken down by me in
stenotype, and the questions and answers thereto were
transcribed by means of computer-aided transcription,
and that the foregoing represents a true and correct
transcript of the testimony given by said witness.
I FURTHER CERTIFY that I am not kin or
counsel to the parties in the case; am not in the
regular employ of counsel for any of said parties; nor
am I in any way financially interested in the result of
said case.
IN WITNESS WHEREOF, I have hereunto set my
hand this 10th day of April, 2015

SHARON A. GABRIELLI, RPR
CCR-B-2002

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EXHIBIT 13

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UNITED STATES DISTRICT COURT
FOR THE DISTRICT OF COLUMBIA

- - -

AMERICAN SOCIETY FOR : Case No.
TESTING AND MATERIALS d/b/a: 1:13-cv-01215-PSC-DAR
ASTM INTERNATIONAL; :
:
NATIONAL FIRE PROTECTION :
ASSOCIATION, INC.; and :
:
AMERICAN SOCIETY OF :
HEATING, REFRIGERATING, :
AND AIR-CONDITIONING :
ENGINEERS, INC. :
Plaintiffs, :
:
vs. :
:
PUBLIC.RESOURCE.ORG, INC., :
Defendant. :
:

AND RELATED COUNTERCLAIMS. :
_____ :

Videotaped 30(b)(6) deposition
of American Society for Testing & Materials,
through DANIEL SMITH, held in the offices of
Veritext Philadelphia, 1801 Market Street,
Ten Penn Center, Suite 1800, Philadelphia,
Pennsylvania 19103, commencing at 10:43 a.m.,
July 24, 2015, before Linda Rossi Rios, a
Federally Approved RPR, CCR and Notary
Public.

PAGES 1 - 292

1 giving your best testimony today?
 2 A. No.
 3 Q. Mr. Smith, what do you do for a
 4 living?
 5 A. I work for ASTM International.
 6 Q. And when you say you work for
 7 ASTM International, what do you mean?
 8 A. I'm the vice --
 9 MR. FEE: Objection. Vague.
 10 You can answer.
 11 THE WITNESS: I'm the vice
 12 president of technical committee
 13 operations.
 14 BY MR. BECKER:
 15 Q. And what is technical committee
 16 operations?
 17 A. It's a division within ASTM.
 18 Q. What does technical committee
 19 mean?
 20 A. Technical committees develop
 21 standards.
 22 Q. When you say "standards," what
 23 do you mean by that?
 24 A. Consensus standards.
 25 Q. By "consensus standards," what

Page 14

1 do you mean by that?
 2 A. Documents.
 3 Q. Any documents?
 4 A. Specifications, test methods,
 5 practices, guides, classifications and
 6 terminology.
 7 Q. Does the term "standards" have
 8 any specific meaning to you?
 9 MR. FEE: Objection. Vague.
 10 THE WITNESS: I'm not sure what
 11 you mean by that.
 12 BY MR. BECKER:
 13 Q. Can you define what a standard
 14 is?
 15 A. Just what I said previously,
 16 it's a test method, a specification, a
 17 practice, a guide, classification or
 18 terminology.
 19 Q. And you say that the technical
 20 committees develop standards. How do --
 21 actually, let me back up.
 22 What is a technical committee?
 23 A. I'm not sure how to answer
 24 that. I'm not sure what you mean by that.
 25 Q. How would you define a

Page 15

1 technical committee?
 2 A. A group of experts that develop
 3 standards.
 4 Q. And who are those experts?
 5 A. Volunteers.
 6 Q. And are they only volunteers?
 7 MR. FEE: Objection. Vague.
 8 THE WITNESS: For the most part
 9 from my knowledge, they're all
 10 volunteers.
 11 BY MR. BECKER:
 12 Q. How does a technical committee
 13 go about developing standards as you say?
 14 A. They use our consensus process.
 15 Q. What is the consensus process?
 16 A. It's two levels of voting
 17 starting with the subcommittee and then the
 18 main committee.
 19 Q. What's the difference between a
 20 subcommittee and a main committee?
 21 A. A subcommittee is typically
 22 smaller with a more narrow interest. A main
 23 committee has broader interest.
 24 Q. So within a technical
 25 committee, then, there is -- is there just

Page 16

1 one main committee?
 2 A. A main committee is a technical
 3 committee.
 4 Q. And are there numerous
 5 subcommittees?
 6 A. Yes.
 7 Q. And how many subcommittees on
 8 average?
 9 A. It varies.
 10 Q. Could you give me a range by
 11 which it might vary?
 12 A. The best of my knowledge, maybe
 13 from 3 to 40, 50.
 14 Q. When you say there is a
 15 consensus process that involves voting in the
 16 subcommittee and then voting at the main
 17 committee level, can you elaborate on that
 18 process?
 19 MR. FEE: Objection. Vague.
 20 THE WITNESS: They vote on
 21 standards so the folks on that
 22 committee will vote on whether or not
 23 they agree or not agree with the
 24 content of the standard.
 25 BY MR. BECKER:

Page 17

1 Q. Is that agree or don't agree on
2 the content of a draft standard or the
3 finalized standard?
4 A. A draft standard.
5 Q. Could we just back up a little
6 bit and could you walk me through how a
7 standard is developed at ASTM?
8 A. It varies, but it could be
9 by -- it starts typically with a task group.
10 Q. And what does the task group
11 do?
12 A. They'll develop the content of
13 the draft.
14 Q. And who composes the task
15 group?
16 MR. FEE: Objection. Vague.
17 THE WITNESS: The task group is
18 typically made up of volunteers who
19 wish to serve on the task group.
20 BY MR. BECKER:
21 Q. Are -- is everyone in a task
22 group an ASTM member?
23 A. No, not necessarily.
24 Q. In what situations would
25 individuals who are not members of ASTM

Page 18

1 compose members of the task group?
2 MR. FEE: Objection to form.
3 THE WITNESS: I'm not sure what
4 you mean by that. Could you repeat
5 that or say that differently?
6 BY MR. BECKER:
7 Q. Let's see. Are -- let me back
8 up just a moment.
9 Are any members of the task
10 group also members of ASTM?
11 A. Yes.
12 Q. But some members of the task
13 groups are not members of ASTM?
14 A. Could be. It's mostly members.
15 Q. And why would individuals who
16 are not members of ASTM be members of the
17 task group?
18 MR. FEE: Objection. Calls for
19 speculation.
20 THE WITNESS: From my
21 experience, because they're interested
22 in the standard that's being
23 developed.
24 BY MR. BECKER:
25 Q. How large are task groups on

Page 19

1 average?
2 A. It varies, but it could be
3 anywhere from 3 to 30 approximately.
4 Q. And you said that the task
5 group develops the content or the original
6 draft of a standard. Is that correct?
7 MR. FEE: Objection. Lack of
8 foundation.
9 THE WITNESS: From my
10 experience, that's what a task group
11 does.
12 BY MR. BECKER:
13 Q. How is a task group initially
14 formed?
15 A. It's formed by a group of
16 volunteers who want to develop a standard or
17 a revision to a standard.
18 Q. Do the members and -- excuse
19 me.
20 Do the ASTM members and
21 nonmembers of ASTM who compose task groups
22 generally have the same or similar interests?
23 MR. FEE: Objection. Calls for
24 speculation.
25 THE WITNESS: I don't know. I

Page 20

1 would think they would have a variety
2 of different interests.
3 BY MR. BECKER:
4 Q. Are there any characteristics
5 other than ASTM membership that would
6 distinguish ASTM members who are members of
7 task groups and those members of task groups
8 who are not ASTM members?
9 MR. FEE: Objection to form.
10 THE WITNESS: The members pay
11 the \$75 membership fee. Nonmembers
12 don't pay the membership. That's the
13 only thing I can think of.
14 BY MR. BECKER:
15 Q. How does a task group go about
16 developing the initial draft of a standard?
17 A. They could do it in a variety
18 of ways.
19 Q. Could you give me some examples?
20 A. They could do it through the
21 use of our collaboration areas, an online
22 space that allows them to develop the draft.
23 Q. And in what other ways?
24 A. They could do it through course
25 of e-mail.

Page 21

1 Q. And in what other ways?
2 A. Through a meeting.
3 Q. And in what other ways?
4 A. None other come to mind at this
5 point.
6 Q. Are there any differences in
7 how a task group would develop a draft of a
8 standard today versus how they might have
9 developed a draft of a standard in the 1970s
10 or 1980s?
11 MR. FEE: Objection. Lack of
12 foundation. Calls for speculation.
13 You can answer.
14 THE WITNESS: Just from common
15 sense, we wouldn't have had our Web
16 tools, they wouldn't have been able to
17 use our Web tools or our virtual
18 meeting technology in the '70s.
19 BY MR. BECKER:
20 Q. Do you know how task groups
21 developed drafts in the 1970s and 1980s?
22 A. I don't know firsthand, but my
23 guess is they would have done it at meetings.
24 Q. When did ASTM first provide the
25 online collaboration areas for the use by

Page 22

1 task groups?
2 A. Guessing, it was sometime
3 probably in the early 2000s roughly.
4 Q. How long have you been at ASTM
5 for?
6 A. About 23 years.
7 Q. So you were at ASTM for roughly
8 a decade, at least a decade prior to when the
9 online collaboration area was first rolled
10 out. Is that correct?
11 A. Approximately.
12 Q. So prior to when the online
13 collaboration area was rolled out, how did
14 task groups develop draft standards at ASTM?
15 A. To my knowledge, it would have
16 been at meetings.
17 Q. Were these meetings organized
18 by ASTM?
19 A. Some of them.
20 Q. But other meetings might not
21 have been organized by ASTM, is that what
22 you're saying?
23 MR. FEE: Objection. Vague.
24 THE WITNESS: They could. They
25 could organize their own meetings

Page 23

1 outside of ASTM.
2 BY MR. BECKER:
3 Q. Do you know how drafts of
4 the -- of ASTM standards were exchanged
5 between task group members prior to the
6 introduction of the online collaboration area
7 by ASTM?
8 A. My guess would be through mail
9 and fax.
10 Q. Do you know if that mail and
11 fax of drafts was facilitated by ASTM?
12 MR. FEE: Objection. Vague.
13 THE WITNESS: I would imagine
14 that some of them would have been
15 facilitated by ASTM and others would
16 not have been.
17 BY MR. BECKER:
18 Q. Prior to the introduction of
19 the online collaboration area, were there
20 specific forms that task group members were
21 made to fill out when drafting drafts of ASTM
22 standards?
23 MR. FEE: Objection to form.
24 THE WITNESS: I believe we had
25 forms starting in about 2003 on our

Page 24

1 membership applications that required
2 members to assign all rights to ASTM.
3 BY MR. BECKER:
4 Q. So the membership, the forms on
5 the membership applications for ASTM that
6 asked individuals to assign all rights to
7 ASTM, as you said, started in 2003 and didn't
8 exist prior to that date?
9 A. I believe that's correct.
10 Q. And this just concerned the
11 membership applications. Correct?
12 MR. FEE: Objection. Vague.
13 THE WITNESS: We also had them
14 on our renewal forms, membership
15 renewal forms. And then we also had
16 them on our work item registration,
17 and then our collaboration.
18 BY MR. BECKER:
19 Q. What is a work item registration
20 form?
21 A. It's for essentially opening up
22 a new work item.
23 Q. What is a work item?
24 A. Either a revision to a standard
25 or development of a new standard.

Page 25

1 Q. And when was the language that
 2 you say concerns assignments of rights
 3 introduced to the work item form?
 4 A. I think it was in about 2003,
 5 '04, '05, somewhere in there.
 6 Q. So somewhere in the 2003 to
 7 2005 period, you're not certain precisely
 8 when?
 9 A. I believe so.
 10 Q. But it didn't exist on those
 11 forms prior to at earliest 2003?
 12 A. That's correct.
 13 Q. Who fills out a work item form?
 14 A. A member.
 15 Q. Is it only ASTM members who
 16 fill out work item forms?
 17 A. If a member would ask a staff
 18 person to help facilitate filling out a form,
 19 they may do that.
 20 Q. What is a collaboration form?
 21 A. The collaboration, if a member
 22 wants to initiate a collaboration area, they
 23 have to go through an online process to
 24 initiate it.
 25 Q. Just so I understand, is that

Page 26

1 to create the online collaboration area that
 2 you had described earlier as being a location
 3 online provided by ASTM where members of a
 4 task group could go to help develop the draft
 5 for a standard?
 6 A. Yes.
 7 Q. And so the collaboration form
 8 was only introduced after the collaboration
 9 areas had been provided by ASTM to its
 10 members?
 11 A. Yes.
 12 Q. And when, again, did you say
 13 that that was?
 14 A. I think it was about 2003.
 15 Q. People who are members of task
 16 groups for developing standards but are not
 17 themselves ASTM members, do they fill out
 18 membership applications for ASTM?
 19 A. No.
 20 Q. And those individuals who I
 21 just described a moment ago, do they fill out
 22 renewal forms for ASTM?
 23 A. No.
 24 Q. And those individuals who I
 25 just described a moment ago, do they fill out

Page 27

1 work item registration forms for ASTM?
 2 A. No.
 3 Q. And those individuals I
 4 described a moment ago, do they fill out
 5 collaboration forms for ASTM?
 6 A. Yes.
 7 Q. They do. Are they required to
 8 fill out collaboration forms for ASTM in
 9 order to participate in the development of a
 10 draft of a standard?
 11 MR. FEE: Objection. Vague.
 12 THE WITNESS: Yes.
 13 BY MR. BECKER:
 14 Q. From approximately what year
 15 forward have individuals who are members of
 16 ASTM task groups but not themselves members
 17 of ASTM been required to fill out
 18 collaboration forms in order to participate
 19 in the drafting of an ASTM standard?
 20 A. To my knowledge, since the
 21 beginning.
 22 Q. When you say "since the
 23 beginning," what do you mean?
 24 A. When we had -- when we created
 25 the form.

Page 28

1 Q. So that would be approximately
 2 2003, you're saying?
 3 A. Yes.
 4 Q. Were individuals who were
 5 members of task groups but not themselves
 6 members of ASTM required to fill out any
 7 forms in order to participate in the drafting
 8 of an ASTM standard prior to 2003?
 9 A. Not to my knowledge.
 10 Q. Is there any means by which
 11 ASTM claims that individuals who are -- who
 12 were members of task groups but not
 13 themselves members of ASTM have assigned any
 14 copyrights that they might have in the drafts
 15 of the standards that were created and
 16 eventually published through ASTM -- to ASTM?
 17 MR. FEE: Objection. Calls for
 18 a legal conclusion. Instruct you not
 19 to disclose any communications you
 20 might have had with counsel regarding
 21 that subject. If you have an
 22 independent knowledge that is
 23 responsive, you can answer that.
 24 THE WITNESS: I don't know. Not
 25 to my knowledge.

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1 a legal conclusion. Vague.
 2 Confusing. You can answer if you can.
 3 THE WITNESS: I think I'll
 4 answer it by just saying the purpose
 5 of this form is for when an individual
 6 wants to bring a document into ASTM to
 7 make it into an ASTM standard.
 8 BY MR. BECKER:
 9 Q. So this document is not
 10 required of every member of a task group who
 11 contributes original material to an ASTM
 12 standard draft?
 13 MR. FEE: Objection. Vague. To
 14 the extent it calls for a legal
 15 conclusion.
 16 THE WITNESS: This form would
 17 not be.
 18 BY MR. BECKER:
 19 Q. When is the last time, to your
 20 knowledge, that this form, Exhibit 1284, was
 21 used by ASTM?
 22 A. I don't know.
 23 Q. Do you have any guess as to
 24 what year this form was last used by ASTM?
 25 MR. FEE: Objection. Lack of

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1 foundation. Calls for speculation.
 2 THE WITNESS: I don't know.
 3 BY MR. BECKER:
 4 Q. Do you know any specific
 5 standards that this form was used in
 6 conjunction with?
 7 A. I don't know offhand, no. No
 8 specifics.
 9 Q. Does ASTM retain the signed
 10 copies that it receives of this Participation
 11 and Acknowledgement Form?
 12 A. I'm not sure.
 13 Q. Do you know how many of these
 14 Participation and Acknowledgement Forms have
 15 been signed and returned to ASTM?
 16 A. No.
 17 Q. Do you have any approximate
 18 guess as to how many of these Participation
 19 and Acknowledgement Forms have been signed
 20 and returned to ASTM?
 21 MR. FEE: Objection. Calls for
 22 speculation.
 23 THE WITNESS: No.
 24 BY MR. BECKER:
 25 Q. Do you know if this

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1 Participation and Acknowledgement Form has
 2 ever been signed and returned to ASTM?
 3 A. I don't know for sure, but I
 4 would guess it has been.
 5 Q. And what's your basis for
 6 guessing that it has been?
 7 A. I vaguely remember instances
 8 where we would have to use this.
 9 Q. And what instances were those?
 10 A. I can't remember.
 11 Q. What other information do you
 12 recollect in conjunction with those instances
 13 where you believe that you had to use this
 14 form as you describe it?
 15 MR. FEE: Objection. Vague.
 16 THE WITNESS: The only thing I
 17 can remember is members interested in
 18 bringing forward documents that they
 19 were interested in having become ASTM
 20 standard.
 21 BY MR. BECKER:
 22 Q. Prior to the introduction of
 23 the Participation and Acknowledgement Form in
 24 approximately 2002, was there any means by
 25 which ASTM had members of task groups who

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1 contributed original contents to the drafts
 2 of ASTM standards but were not themselves
 3 members of ASTM thereby transferred their
 4 copyrights to ASTM?
 5 MR. FEE: Objection. Calls for
 6 a legal conclusion. To the extent --
 7 you shouldn't disclose any
 8 communications you had with counsel
 9 regarding the subject matter. If you
 10 have independent information that you
 11 can share, go ahead and answer with
 12 respect to that.
 13 THE WITNESS: I'm not aware of
 14 any formal forms that we used prior to
 15 2003.
 16 BY MR. BECKER:
 17 Q. Are you aware of any informal
 18 means by which individuals such as those that
 19 I just described in my previous question
 20 might have transferred their copyright to
 21 ASTM?
 22 MR. FEE: Same objection and
 23 instruction.
 24 THE WITNESS: I'm not sure what
 25 you mean by "informal."

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1 BY MR. BECKER:
2 Q. I'm simply asking because you
3 say you're not aware any formal forms that
4 are used prior to 2003. So I'm asking if
5 there were any informal means by which ASTM
6 believes that individuals transferred their
7 copyright to ASTM prior to 2003?
8 MR. FEE: Objection. Calls for
9 a legal conclusion. You shouldn't
10 disclose your communications with
11 counsel on this subject, but if you
12 have other information, you can answer
13 about that.
14 THE WITNESS: I don't believe --
15 we didn't feel like we needed any
16 formal, any formal assignment paper.
17 BY MR. BECKER:
18 Q. Why didn't ASTM feel like it
19 needed any formal assignment paper?
20 MR. FEE: Objection. Calls for
21 a legal conclusion. You shouldn't
22 disclose any communication you had
23 with counsel regarding the subject,
24 but if you have any other information
25 that's responsive, you can answer

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1 about that.
2 THE WITNESS: Because we felt
3 that there was a basic understanding,
4 there is a basic understanding today
5 and there's been a basic understanding
6 for as long as ASTM has been around
7 that the reason they come to the table
8 is for the sole purpose of developing
9 an ASTM standard that will receive a
10 logo, and that will be copyrighted and
11 be distributed. Our members buy the
12 resulting standards from ASTM. We've
13 never, that I can recall, have had a
14 member or a nonmember take issue with
15 ASTM selling the resulting copyrighted
16 standard to them and to others. I
17 believe that the reason they come to
18 the table is because they want --
19 they're there for the sole purpose of
20 having a standard that will have an
21 ASTM logo on it.
22 BY MR. BECKER:
23 Q. Anything else?
24 MR. FEE: Same objections and
25 instructions.

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1 THE WITNESS: Not at this time.
2 BY MR. BECKER:
3 Q. The basic understanding that
4 you just described, how is that basic
5 understanding documented?
6 MR. FEE: Objection. Again,
7 instruct you not to disclose
8 communications with counsel on that
9 subject, but if you have other
10 information, you can go ahead and
11 disclose that.
12 THE WITNESS: I'm not sure what
13 you mean by "documented."
14 BY MR. BECKER:
15 Q. Are there any documents that
16 reflect the basic understanding that you just
17 described concerning the reasons for
18 individuals contributing in the drafting of
19 ASTM standards?
20 A. No, we didn't feel like
21 documentation was needed.
22 Q. Does ASTM have any documents to
23 support its position that there was a basic
24 understanding between the members who --
25 excuse me, let me rephrase that.

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1 Does ASTM have any documents to
2 support its position that there was a basic
3 understanding between the individuals who
4 drafted ASTM standards and ASTM that the
5 copyright in those standards were to belong
6 to ASTM?
7 MR. FEE: Objection. Instruct
8 you not to disclose communications
9 with counsel on that subject. If
10 you're aware of other documents, you
11 can go ahead and respond with respect
12 to them.
13 THE WITNESS: I'm not aware of
14 any documents.
15 BY MR. BECKER:
16 Q. Just a moment ago you were
17 describing the reasons why people participate
18 in the drafting of ASTM standards. Could you
19 describe some of the incentives for
20 individuals to participate in the drafting of
21 ASTM standards?
22 MR. FEE: Objection. Lack of
23 foundation. You can answer.
24 THE WITNESS: In general, you
25 can say that an individual would -- or

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1 BY MR. BECKER:
2 Q. I'm simply asking because you
3 say you're not aware any formal forms that
4 are used prior to 2003. So I'm asking if
5 there were any informal means by which ASTM
6 believes that individuals transferred their
7 copyright to ASTM prior to 2003?
8 MR. FEE: Objection. Calls for
9 a legal conclusion. You shouldn't
10 disclose your communications with
11 counsel on this subject, but if you
12 have other information, you can answer
13 about that.
14 THE WITNESS: I don't believe --
15 we didn't feel like we needed any
16 formal, any formal assignment paper.
17 BY MR. BECKER:
18 Q. Why didn't ASTM feel like it
19 needed any formal assignment paper?
20 MR. FEE: Objection. Calls for
21 a legal conclusion. You shouldn't
22 disclose any communication you had
23 with counsel regarding the subject,
24 but if you have any other information
25 that's responsive, you can answer

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1 about that.
2 THE WITNESS: Because we felt
3 that there was a basic understanding,
4 there is a basic understanding today
5 and there's been a basic understanding
6 for as long as ASTM has been around
7 that the reason they come to the table
8 is for the sole purpose of developing
9 an ASTM standard that will receive a
10 logo, and that will be copyrighted and
11 be distributed. Our members buy the
12 resulting standards from ASTM. We've
13 never, that I can recall, have had a
14 member or a nonmember take issue with
15 ASTM selling the resulting copyrighted
16 standard to them and to others. I
17 believe that the reason they come to
18 the table is because they want --
19 they're there for the sole purpose of
20 having a standard that will have an
21 ASTM logo on it.
22 BY MR. BECKER:
23 Q. Anything else?
24 MR. FEE: Same objections and
25 instructions.

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1 THE WITNESS: Not at this time.
2 BY MR. BECKER:
3 Q. The basic understanding that
4 you just described, how is that basic
5 understanding documented?
6 MR. FEE: Objection. Again,
7 instruct you not to disclose
8 communications with counsel on that
9 subject, but if you have other
10 information, you can go ahead and
11 disclose that.
12 THE WITNESS: I'm not sure what
13 you mean by "documented."
14 BY MR. BECKER:
15 Q. Are there any documents that
16 reflect the basic understanding that you just
17 described concerning the reasons for
18 individuals contributing in the drafting of
19 ASTM standards?
20 A. No, we didn't feel like
21 documentation was needed.
22 Q. Does ASTM have any documents to
23 support its position that there was a basic
24 understanding between the members who --
25 excuse me, let me rephrase that.

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1 Does ASTM have any documents to
2 support its position that there was a basic
3 understanding between the individuals who
4 drafted ASTM standards and ASTM that the
5 copyright in those standards were to belong
6 to ASTM?
7 MR. FEE: Objection. Instruct
8 you not to disclose communications
9 with counsel on that subject. If
10 you're aware of other documents, you
11 can go ahead and respond with respect
12 to them.
13 THE WITNESS: I'm not aware of
14 any documents.
15 BY MR. BECKER:
16 Q. Just a moment ago you were
17 describing the reasons why people participate
18 in the drafting of ASTM standards. Could you
19 describe some of the incentives for
20 individuals to participate in the drafting of
21 ASTM standards?
22 MR. FEE: Objection. Lack of
23 foundation. You can answer.
24 THE WITNESS: In general, you
25 can say that an individual would -- or

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1 a company or an individual would be
 2 interested in having an ASTM standard
 3 that they could say their product or
 4 service is in compliance with.
 5 BY MR. BECKER:
 6 Q. Are there any other reasons?
 7 MR. FEE: Objection.
 8 THE WITNESS: I'm sure there are
 9 other reasons, I just can't think of
 10 any right now.
 11 BY MR. BECKER:
 12 Q. Does ASTM have any forms by
 13 which companies have assigned any copyrights
 14 that they may have in the draft standards to
 15 ASTM?
 16 MR. FEE: Objection. To the
 17 extent it calls for a legal
 18 conclusion, I instruct you not to
 19 disclose communications with counsel
 20 on this subject, but if you have any
 21 documents to identify, go ahead.
 22 THE WITNESS: I'm not aware of
 23 any.
 24 BY MR. BECKER:
 25 Q. Does ASTM distinguish between

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1 companies and individuals in the -- in its
 2 understanding of the granting of copyright
 3 rights to ASTM?
 4 MR. FEE: Objection. Vague. To
 5 the extent I understand it, I think it
 6 calls for a legal conclusion. To the
 7 extent you think that requires you to
 8 disclose any communication from
 9 counsel, you shouldn't do so. If you
 10 understand you have non-privileged
 11 information that is responsive, go
 12 ahead and provide it.
 13 THE WITNESS: I'm not sure what
 14 you mean by that question.
 15 BY MR. BECKER:
 16 Q. Let me rephrase. If an
 17 individual fills out a form that ASTM
 18 believes assigns a copyright to ASTM but that
 19 individual is employed by a company and is
 20 acting in the scope of employment, does ASTM
 21 believe that a copyright is granted to it?
 22 MR. FEE: Objection. Calls for
 23 a legal conclusion. Calls for
 24 speculation. You shouldn't disclose
 25 any communications with counsel that

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1 you might think are responsive to
 2 that. If you have other information,
 3 you can go ahead and answer.
 4 THE WITNESS: My understanding
 5 is that the members join as
 6 individuals, and that when they come
 7 to an ASTM meeting, they're
 8 contributing their own knowledge to
 9 the ASTM standard.
 10 BY MR. BECKER:
 11 Q. When you say that's your
 12 understanding, is that also ASTM's
 13 understanding?
 14 A. Yes.
 15 MR. FEE: Same objections.
 16 THE WITNESS: Yes.
 17 MR. FEE: And instructions.
 18 BY MR. BECKER:
 19 Q. When you say "members join as
 20 individuals," does this also include
 21 individuals who are government employees?
 22 A. Yes.
 23 Q. Does ASTM believe that
 24 government employees who are acting within
 25 the scope of their employment by the federal

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1 government join as individuals when they join
 2 ASTM?
 3 MR. FEE: Objection. Calls for
 4 a legal conclusion. Calls for
 5 speculation. Instruct you not to
 6 disclose communications with counsel
 7 on this subject, but you can answer if
 8 you have other information.
 9 THE WITNESS: I'm not sure what
 10 the individual members believe. I
 11 believe our committees believe that
 12 the input they get on the standards
 13 are from that individual, the
 14 individual knowledge that they're
 15 providing, not necessarily a company
 16 or a government position.
 17 BY MR. BECKER:
 18 Q. And what's your basis for
 19 believing that that is what the members of
 20 the committee believe?
 21 A. Just my experience.
 22 Q. What experience are you
 23 referring to?
 24 A. My experience with working with
 25 technical committees.

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1 experience in sitting in the meetings
 2 and observing the individual members
 3 contribute to the development of the
 4 standards.
 5 BY MR. BECKER:
 6 Q. What about those contributions
 7 of those members gave you that impression?
 8 MR. FEE: Objection. Calls for
 9 a legal conclusion. Compound.
 10 THE WITNESS: I'm not thinking
 11 of any one example. I'm just thinking
 12 over time in all of my different
 13 committees and all the different
 14 meetings that I've attended, to me it
 15 appears that people are contributing
 16 off the cuff spontaneously in the
 17 development of the standard.
 18 BY MR. BECKER:
 19 Q. When they participate, do
 20 members of the federal government use their
 21 federal government issued e-mail addresses?
 22 MR. FEE: Objection. Compound.
 23 Calls for speculation.
 24 THE WITNESS: They may or they
 25 may not.

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1 BY MR. BECKER:
 2 Q. What is it about off-the-cuff
 3 or spontaneous contributions that you think
 4 means that these individuals are
 5 participating in their individual capacity
 6 and not as federal government employees?
 7 MR. FEE: Objection. Calls for
 8 a legal conclusion.
 9 THE WITNESS: Just my belief
 10 based on what I'm observing that I
 11 think it's a very spontaneous
 12 conversation, people providing
 13 contributions based on what they
 14 believe, not necessarily what their
 15 company believes.
 16 BY MR. BECKER:
 17 Q. Are individuals who
 18 participate -- excuse me.
 19 Are federal government
 20 employees who participate in ASTM committees
 21 or task groups classified differently than
 22 other individuals who participate in those
 23 committees or task groups?
 24 MR. FEE: Objection. Vague.
 25 THE WITNESS: I'm not sure what

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1 you mean by "differently."
 2 BY MR. BECKER:
 3 Q. Is there a specific
 4 classification that's given to government
 5 employees who participate in the development
 6 of standards under ASTM?
 7 A. They're given a classification
 8 just as all other members are.
 9 Q. And what is that classification?
 10 A. It could either be a producer,
 11 user, general interest, depending upon the
 12 scope of the committee.
 13 Q. Would a federal government
 14 employee count as a producer?
 15 A. I can't think of a situation
 16 where they would be.
 17 Q. Would a federal government
 18 employee count as a user?
 19 A. They may.
 20 Q. Would a federal government
 21 employee count as a general interest member?
 22 A. They may.
 23 Q. In what circumstances might a
 24 federal government employee count as a user
 25 versus a general interest member?

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1 A. It depends on the scope of the
 2 committee.
 3 Q. Could you give some examples?
 4 A. On my road and paving
 5 committee, federal highway would be
 6 considered a user.
 7 MR. FEE: We've been going quite
 8 some time. I asked to have a short
 9 break. We're going to take a break
 10 now, no question pending.
 11 MR. BECKER: We can take a
 12 break.
 13 VIDEOGRAPHER: Time is now
 14 11:48. We're going off the video
 15 record.
 16 - - -
 17 (A recess was taken.)
 18 - - -
 19 VIDEOGRAPHER: The time is now
 20 12:02. We're back on the video
 21 record.
 22 BY MR. BECKER:
 23 Q. Mr. Smith, do you have any
 24 additional recollections or other information
 25 that you would like to add in response to any

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1 of the questions we've discussed so far
2 today?
3 A. Relative to our members'
4 awareness that they're assigning copyrights
5 to ASTM, I believe you had asked that
6 question prior to 2003.
7 Q. Yes.
8 A. ASTM also has an Intellectual
9 Property Policy that makes our members aware
10 of that as well.
11 Q. And when was ASTM's
12 Intellectual Property Policy first
13 instituted?
14 A. I'm not sure, but I believe it
15 was in the '90s.
16 Q. Is there anything else other
17 than ASTM's Intellectual Property Policy that
18 you believe contributes to ASTM's belief that
19 there was an understanding that the copyright
20 of individuals who participated in the
21 drafting of ASTM standards was owned by ASTM?
22 MR. FEE: Objection. Asked and
23 answered. Are you asking him to
24 repeat all the other things he
25 mentioned before or are you excluding

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1 those?
2 MR. BECKER: Were there other
3 things that he mentioned before?
4 MR. FEE: Oh, yeah. I'll be
5 honest. Actually I shouldn't say
6 that. But you're asking him to list
7 everything he can think of now again?
8 MR. BECKER: In terms of
9 documents.
10 MR. FEE: Oh, documents.
11 MR. BECKER: I don't think there
12 was anything else, was there?
13 MR. FEE: Your prior question
14 wasn't limited to documents, that's
15 why I said that.
16 THE WITNESS: Is it before 2003?
17 BY MR. BECKER:
18 Q. Yes.
19 A. I'm not aware of any other
20 documents.
21 Q. Is there anything else that you
22 have to add to your earlier testimony other
23 than your mention of the IP Policy?
24 A. I can't think of anything at
25 this time.

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1 - - -
2 (Exhibit 1285, Intellectual
3 Property Policy of ASTM, Bates
4 ASTM103277 - ASTM103284, was marked
5 for identification.)
6 - - -
7 BY MR. BECKER:
8 Q. I'm handing you what's been
9 marked as Exhibit 1285. Is this the
10 Intellectual Property Policy of ASTM that you
11 had just mentioned?
12 A. Yes, I believe this is a
13 version of it.
14 Q. Are there multiple versions of
15 the ASTM intellectual property policy?
16 A. I believe there were at least
17 two or three.
18 Q. This says it was approved on
19 April 28, 1999. Correct?
20 A. It does say that.
21 Q. It says that at the top of the
22 first page and at the bottom of the last
23 page. Is that correct?
24 A. That's correct.
25 MR. FEE: Objection. It says

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1 adopted on the last page, not
2 approved.
3 BY MR. BECKER:
4 Q. And for the record, this is the
5 document Bates number ASTM 103277 to
6 ASTM 103284 titled: "INTELLECTUAL PROPERTY
7 POLICY OF ASTM." It says at the top of page
8 Bates number ASTM103277 "Approved 28
9 April 1999." Is that correct?
10 A. Yes.
11 Q. Was this the first edition of
12 the Intellectual Property Policy of ASTM?
13 A. I believe there was one prior
14 to this.
15 Q. Do you know when the
16 Intellectual Property Policy of ASTM that
17 existed prior to this was created?
18 A. No.
19 Q. Do you have any idea?
20 A. I think it was at some point in
21 the '90s. Maybe mid '90s, but I'm not sure.
22 Q. Does ASTM have any record of an
23 Intellectual Property Policy prior to this
24 one, Exhibit 1285?
25 A. I'm not sure.

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1 Q. What did you discuss with Jim
 2 Thomas when you met with him then?
 3 A. I asked Jim about any memory
 4 that he has relative to assignments of
 5 copyright.
 6 Q. And what did he say?
 7 A. Pretty much what I've explained
 8 to you relative to formally getting
 9 documentation from our members on assignment
 10 from 2003 to the present relative to our
 11 renewal forms, membership application forms,
 12 collaboration area. And then prior to that,
 13 Jim's recollection and feelings were that
 14 copyright assignment from our members was a
 15 very basic understanding that our members had
 16 and our staff have had, the sole purpose they
 17 come to an ASTM meeting is to develop a
 18 standard that's going to result in an ASTM
 19 approved standard with a logo on it that's
 20 copyrighted.
 21 Q. Did Mr. Thomas identify any
 22 basis for his belief that copyright
 23 assignment from ASTM members was a very basic
 24 understanding, as you described it, that ASTM
 25 members had with the purpose of developing an

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1 ASTM standard?
 2 A. Can you explain?
 3 Q. Let me rephrase that. Did
 4 Mr. Thomas identify any basis for his belief
 5 that ASTM members had an understanding that
 6 their drafts would be -- that the copyright
 7 for their drafts would be held by ASTM?
 8 A. I think his basis was on the
 9 fact that we've never had a member that has
 10 really questioned, that we can recall, or
 11 challenged ASTM copyrighting something.
 12 Another basis being that we sell our
 13 standards and our members are some of our
 14 biggest customers, so they're buying the
 15 standards from us. Jim Thomas has provided
 16 numerous presentations at different committee
 17 meetings announcing about this lawsuit and
 18 what the ramifications potentially could be.
 19 How it could affect our business model and
 20 how we want to maintain our low entry for
 21 participation, \$75 membership, no meeting
 22 fees, and we sell our resulting standards so
 23 that we can support our operations. And the
 24 members, based on the presentations that I've
 25 seen, have embraced that concept.

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1 Q. Did Jim Thomas say all of that
 2 to you? When I say "all of that," I'm
 3 referring to your previous statement that you
 4 attributed to Jim Thomas, were all of those
 5 statements from Jim Thomas?
 6 MR. FEE: Objection. Compound.
 7 THE WITNESS: Jim has told me
 8 and I have seen Jim do these
 9 presentations.
 10 BY MR. BECKER:
 11 Q. When you spoke with Jim Thomas
 12 on Tuesday, did he say that a member has
 13 never challenged the copyright assertions by
 14 ASTM?
 15 A. Yes.
 16 Q. And when you met with Jim
 17 Thomas on Tuesday, did he say that the fact
 18 that ASTM sells standards to its members is a
 19 basis for why there may be an understanding
 20 that by ASTM members, that their
 21 contributions would be copyrighted by ASTM?
 22 A. He had indicated that the fact
 23 that we sell the standards back to our
 24 members is probably a real good indication
 25 that there's a basic understanding from our

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1 members that we are copyrighting the material
 2 that they contribute.
 3 Q. Did Jim Thomas say anything
 4 else to you when you met with him on Tuesday?
 5 MR. FEE: Objection. Vague.
 6 THE WITNESS: I can't think of
 7 anything else specific that he said.
 8 BY MR. BECKER:
 9 Q. Did you ask Jim Thomas any
 10 questions when you met with him on Tuesday?
 11 A. No, I don't think I asked him
 12 any questions. I think the meeting was
 13 basically to discuss copyright assignment.
 14 And I don't know if -- it was more of a
 15 discussion, I don't think we had -- I had
 16 questions. I mean, I didn't need to ask
 17 questions. It was a discussion.
 18 Q. A moment ago you referred to
 19 the \$75 fee. Do ASTM members -- excuse me,
 20 let me rephrase.
 21 Do individuals have to pay ASTM
 22 a fee to participate in the standard drafting
 23 process?
 24 MR. FEE: Objection. Asked and
 25 answered.

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1 THE WITNESS: They have to pay
2 \$75 to be a member, but they don't
3 have to pay \$75 to participate. So an
4 individual can participate without
5 paying ASTM.
6 BY MR. BECKER:
7 Q. What are the differences that
8 individuals who are members of ASTM enjoy in
9 their participation in the standard drafting
10 process versus individuals who are not
11 members?
12 MR. FEE: Objection. Vague.
13 THE WITNESS: They get to --
14 free volume of standards and they get
15 to vote. When it's on the ballots,
16 they get to cast votes. Nonmembers do
17 not.
18 BY MR. BECKER:
19 Q. When you say "on the ballots,"
20 what ballots are you referring to?
21 A. On the technical standards.
22 Q. Are those ballots for voting up
23 or down on the revision or creation of
24 particular standards?
25 A. Correct.

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1 Q. Have you had any other
2 communications with Jim Thomas about your
3 deposition today other than the meeting you
4 had with him on Tuesday?
5 A. No.
6 Q. And have you had any
7 communications with Marge Cassidy in
8 preparation for your deposition today other
9 than the meeting that you had with her?
10 A. No.
11 Q. You said you met with John
12 Pace, the vice president of publications, as
13 well in preparation for your deposition
14 today. Correct?
15 A. Uh-huh.
16 Q. What did you discuss with
17 Mr. Pace?
18 A. Any knowledge that he would
19 have relative to the assignment of copyright
20 from our members.
21 Q. What did Mr. Pace say?
22 A. He didn't provide any input.
23 He didn't have any knowledge.
24 Q. Did you discuss any other
25 issues with Mr. Pace at that meeting?

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1 A. No.
2 Q. When was that meeting?
3 A. That meeting was yesterday.
4 Q. So Mr. Pace provided no
5 information to you on the subject of
6 copyright by individuals to ASTM?
7 A. No.
8 MR. FEE: Objection. Vague.
9 BY MR. BECKER:
10 Q. A moment ago you referred to
11 presentations by Jim Thomas. Can you give
12 any specific -- can you tell me about any
13 specific presentations by Jim Thomas that you
14 think address issues of copyright ownership
15 by ASTM?
16 A. I can't recall any
17 presentations that he did specific on that
18 subject.
19 Q. What presentations were you
20 referring to?
21 A. At ASTM conferences where we
22 have breakfast meetings with all of the
23 individuals attending that meeting, are
24 invited to a breakfast meeting. And we hold
25 them in four different committee weeks; in

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1 January, April, May and June of every year.
2 I've heard Jim Thomas talk about what I said
3 at those breakfast meetings.
4 Q. Do you recall on what dates
5 Mr. Thomas spoke about those issues at
6 breakfast meetings?
7 A. I can't provide specific dates.
8 Q. Do you have general dates as in
9 this year, last year or the year prior?
10 A. I believe it was this year was
11 mentioned. And it was probably last year as
12 well.
13 Q. Do you recall Mr. Thomas
14 mentioning anything on this subject prior to
15 last year?
16 A. I can't say for sure.
17 Q. Are these breakfast meetings
18 recorded in any way?
19 A. No.
20 Q. Are there any minutes kept of
21 the breakfast meetings?
22 A. No, but we have annual -- our
23 annual meeting -- we may have minutes from
24 our annual meeting, but I'm not sure. I
25 think we might have slides actually,

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1 presentation slides that are available for
 2 our annual meetings.
 3 Q. You said you also meet with
 4 Phil Lively, the vice president of
 5 technology. Is that correct?
 6 A. Yes.
 7 Q. When did you meet with him?
 8 A. I met with Phil yesterday.
 9 Q. What did you speak with Phil
 10 Lively about yesterday?
 11 A. About copyright assignments for
 12 members to ASTM.
 13 Q. And what did Phil Lively tell
 14 you?
 15 A. About his involvement and help
 16 with having the language that we talked about
 17 earlier on the membership application screens
 18 and the membership renewal screens and the
 19 collaboration area screen and the work item
 20 registration screens.
 21 Q. When you say, "the language
 22 that we talked about earlier," are you
 23 referring to language that ASTM believes
 24 assigns copyright from individuals to ASTM?
 25 MR. FEE: Objection. Calls for

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1 a legal conclusion.
 2 THE WITNESS: The language that
 3 we talked about that is on the
 4 membership applications, yes. That
 5 the members acknowledge when they're
 6 either registering a work item or
 7 joining as a new member or renewing
 8 their membership or opening up a
 9 collaboration area that assigns all of
 10 their past, present and future
 11 contributions to ASTM standards --
 12 into ASTM standards to ASTM.
 13 BY MR. BECKER:
 14 Q. What was Mr. Lively's
 15 involvement in the language that you are
 16 referring to?
 17 MR. FEE: Objection. Vague.
 18 THE WITNESS: He helped us with,
 19 from a technology standpoint, getting
 20 that language up onto our Web site,
 21 onto the screens.
 22 BY MR. BECKER:
 23 Q. So you're saying that
 24 Mr. Lively was involved in the -- Mr. Lively
 25 did not draft the language, but Mr. Lively

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1 helped create the electronic version of the
 2 forms that appear on the ASTM Web site. Is
 3 that what you're saying?
 4 MR. FEE: Objection. Compound.
 5 THE WITNESS: I'm not sure what
 6 exactly you mean by that, but
 7 essentially he was able to accomplish
 8 getting the language up onto the
 9 screens so that the members can
 10 acknowledge the statement during the
 11 process.
 12 BY MR. BECKER:
 13 Q. Did Mr. Lively draft any of the
 14 language on the membership application or
 15 renewal forms or any of the other forms that
 16 you're describing?
 17 MR. FEE: Objection. Compound.
 18 THE WITNESS: I don't believe
 19 so.
 20 BY MR. BECKER:
 21 Q. What did Mr. Lively tell you
 22 about the work that he did related to
 23 copyright assignments?
 24 A. Just that he could remember
 25 helping with putting the information up on

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1 the Web screens, and he could remember when
 2 he was a staff manager back in the very
 3 beginning time, I think it was early '80s
 4 when he was a staff manager, and kind of
 5 reiterating what I had previously said about
 6 there being an understanding that our members
 7 understand that their contributions to ASTM,
 8 is well understood that we're going to
 9 copyright that material.
 10 Q. Did Mr. Lively provide any
 11 basis for his statement that there was an
 12 understanding in the early '80s that ASTM
 13 would copyright the material provided by
 14 individuals that was incorporated into the
 15 standard drafts?
 16 A. Can you repeat that question?
 17 Q. Yes. Did Mr. Lively provide
 18 any basis for his statement that there was an
 19 understanding in the early '80s that ASTM
 20 would copyright the material provided by
 21 individuals that was incorporated into the
 22 standard drafts?
 23 A. No. I think it was just his
 24 belief just as it was my belief.
 25 Q. Did you discuss anything else

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1 of any organizations typically sign up for
 2 organizational memberships?
 3 MR. FEE: Objection. Vague.
 4 Beyond the scope of his designation.
 5 THE WITNESS: I don't know.
 6 BY MR. BECKER:
 7 Q. Can organizational members be
 8 members of technical committees?
 9 A. Yes. As a matter --
 10 MR. FEE: There's no question
 11 pending.
 12 BY MR. BECKER:
 13 Q. I'm sorry, what were you about
 14 to say?
 15 A. I believe all organizational
 16 members are members of technical committees.
 17 Q. Have any organizational members
 18 executed copyright assignments for ASTM?
 19 A. Not to my knowledge. I'm
 20 sorry, can you repeat that question?
 21 Q. Yes. Have any organizational
 22 members executed copyright assignments for
 23 ASTM?
 24 A. Through the membership
 25 applications that we talked about earlier,

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1 through the renewal applications that we
 2 talked about earlier, if they're involved in
 3 a collaboration area, they would make an
 4 assignment, and if they registered a work
 5 item, they would make an assignment.
 6 Q. So those are the same -- the
 7 same assignment language that would relate to
 8 individual members you're saying would also
 9 relate to organizational members when
 10 organizational members sign up for
 11 membership?
 12 A. Correct.
 13 Q. How do organizational members
 14 participate in technical committees?
 15 A. The same way as participating
 16 members, individual members.
 17 Q. Can you elaborate on that?
 18 MR. FEE: Objection. Vague.
 19 THE WITNESS: I don't think I
 20 can. There's no difference.
 21 BY MR. BECKER:
 22 Q. Do organizational members
 23 designate an individual to participate on
 24 their behalf?
 25 MR. FEE: Objection. Asked and

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1 answered.
 2 THE WITNESS: No. Organizations
 3 designate a member, an employee to
 4 participate on technical committees.
 5 BY MR. BECKER:
 6 Q. What's the difference between
 7 what you just said and an organizational
 8 member designating an individual to
 9 participate on technical committees on its
 10 behalf?
 11 MR. FEE: Objection.
 12 Mischaracterizes his testimony to the
 13 extent it purports to summarize it.
 14 You can answer.
 15 THE WITNESS: An organizational
 16 member is an individual, it's not the
 17 organization. So the organization
 18 designates a member, an employee to be
 19 a member to represent it on a
 20 technical committee.
 21 BY MR. BECKER:
 22 Q. When you say the organization
 23 designates an employee to be a member to be a
 24 representative on a technical committee, when
 25 you say representative, do you mean a

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1 representative of that organization?
 2 A. Maybe.
 3 Q. Does ASTM have any knowledge as
 4 to whether organizational members, when they
 5 designate an individual to participate in a
 6 technical committee, whether those
 7 organizations are designating that individual
 8 on the organization's behalf?
 9 MR. FEE: Objection. Vague.
 10 May call for a legal conclusion.
 11 THE WITNESS: I think it varies.
 12 I think organizational -- again,
 13 organizations that choose to support
 14 ASTM through an organizational
 15 membership designate an individual to
 16 participate on a technical committee.
 17 That individual may be contributing to
 18 the content of ASTM standards as an
 19 individual even as an organizational
 20 member, not necessarily representing
 21 the organization's -- the
 22 organizational views.
 23 BY MR. BECKER:
 24 Q. For organizational memberships,
 25 does the organization itself typically pay

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1 the \$400 fee?
 2 MR. FEE: Objection. Calls for
 3 speculation.
 4 THE WITNESS: I don't know for
 5 sure. Not necessarily. But probably
 6 in most cases, probably.
 7 BY MR. BECKER:
 8 Q. Do you know of any instance
 9 when a person indicated that he or she
 10 disagreed with his or her organization's
 11 position with respect to an action on a
 12 technical committee?
 13 A. No.
 14 Q. Do you know of any instance
 15 when an individual indicated that he or she
 16 was specifically speaking on his or her own
 17 behalf as apart from the organization that he
 18 or she is part of?
 19 A. No.
 20 Q. Are any U.S. federal agencies
 21 organizational members of ASTM?
 22 A. I don't know.
 23 Q. Who would know if any federal
 24 agencies are organizational members of ASTM?
 25 MR. FEE: Objection. Calls for

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1 speculation. Also beyond the scope of
 2 his designation.
 3 THE WITNESS: We have an
 4 organizational member directory on the
 5 Web site.
 6 BY MR. BECKER:
 7 Q. And where on the Web site is
 8 that organizational member directory located?
 9 A. I think it's on the membership
 10 page.
 11 - - -
 12 (Exhibit 1292, Check, Bates
 13 ASTM049368, was marked for
 14 identification.)
 15 - - -
 16 BY MR. BECKER:
 17 Q. I'm handing you what's been
 18 marked as 1292. This is the document
 19 produced by plaintiffs as Bates number
 20 ASTM049368.
 21 Do you recognize this document?
 22 A. No.
 23 Q. Do you have any reason to
 24 believe that this document produced by ASTM
 25 is not authentic?

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1 MR. FEE: Objection. This is
 2 beyond the scope of his designation.
 3 THE WITNESS: No.
 4 MR. BECKER: For the record, I
 5 don't believe that this is beyond his
 6 designation as this concerns an
 7 organizational membership renewal.
 8 MR. FEE: I don't think he was
 9 designated to authenticate checks from
 10 2013, but we'll agree to disagree.
 11 BY MR. BECKER:
 12 Q. Does this document indicate to
 13 you that the Department of Consumer Affairs
 14 from the State of California had paid for an
 15 organizational membership renewal with ASTM?
 16 MR. FEE: Objection. Calls for
 17 speculation. Beyond the scope of his
 18 designation.
 19 THE WITNESS: I guess you could
 20 assume that. I don't know for sure.
 21 BY MR. BECKER:
 22 Q. Do you have any reason for
 23 thinking this -- that's not what this
 24 document shows?
 25 MR. FEE: Same objections.

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1 THE WITNESS: No, no reason not
 2 to believe.
 3 - - -
 4 (Exhibit 1293, 2011 Membership
 5 renewal invoices, Bates ASTM086030 -
 6 ASTM086031, was marked for
 7 identification.)
 8 - - -
 9 BY MR. BECKER:
 10 Q. I'm handing you what's been
 11 marked as Exhibit 1293. This is the document
 12 produced by plaintiffs as ASTM086030 to
 13 086031. Can you tell me what this document
 14 is?
 15 A. It is a 2011 membership renewal
 16 invoice.
 17 Q. It is a different 2011
 18 membership renewal invoice on each side.
 19 Correct?
 20 A. Yeah. For different persons,
 21 yeah.
 22 Q. And these persons are employees
 23 of NIST. Is that correct?
 24 MR. FEE: Objection. Calls for
 25 speculation. Beyond the scope of his

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1 designation.
2 THE WITNESS: It says here
3 they're from NIST.
4 BY MR. BECKER:
5 Q. NIST is a federal agency.
6 Correct?
7 MR. FEE: Same objections.
8 THE WITNESS: I believe. Sorry.
9 I believe so.
10 BY MR. BECKER:
11 Q. And they both give their NIST
12 e-mail addresses. Is that correct?
13 MR. FEE: Objection. Calls for
14 speculation. Beyond the scope of his
15 designation. You can answer.
16 THE WITNESS: The e-mail
17 addresses are on this piece of paper.
18 BY MR. BECKER:
19 Q. And the e-mail addresses say
20 @nist.gov. Correct?
21 A. Yes.
22 Q. And the addresses that they
23 provide are for NIST. Correct?
24 MR. FEE: Objection. Calls for
25 speculation. Beyond the scope of his

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1 designation.
2 THE WITNESS: Yes, the NIST
3 address is on these pieces of paper.
4 BY MR. BECKER:
5 Q. And did -- the credit card
6 information and payer is the same for both
7 renewal invoices. Correct?
8 MR. FEE: Objection. Beyond the
9 scope of his designation.
10 THE WITNESS: It appears that
11 the names are the same.
12 BY MR. BECKER:
13 Q. And that name appears to be
14 Aruella Kuehl, K-U-E-H-L. Aruella is spelled
15 A-R-U-E-L-L-A -- excuse me, that's Arvella,
16 A-R-V-E-L-L-A.
17 MR. FEE: Objection. Beyond the
18 scope of his designation.
19 BY MR. BECKER:
20 Q. Is that correct?
21 MR. FEE: Same objection.
22 THE WITNESS: If that's -- yeah,
23 that's the way you want to spell it.
24 BY MR. BECKER:
25 Q. Could you, please, indicate

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1 where on these renewal invoices, if anywhere,
2 language exists that would assign any
3 copyright that Charles E. Gibson or Benjamin
4 K. Tsai, the individuals listed on these
5 membership renewal invoices, might have
6 granted to ASTM?
7 MR. FEE: Objection. Calls for
8 a legal conclusion. Compound. You
9 can answer if you know.
10 THE WITNESS: No, there's
11 language in the middle of both pages
12 beginning with "You agree...."
13 BY MR. BECKER:
14 Q. Is that where it says, "You
15 agree, by your participation in ASTM and
16 enjoyment of the benefits of your annual
17 membership, to have transferred and assigned
18 any and all interest you possess or may
19 possess, including copyright, in the
20 development or creation of ASTM standards or
21 ASTM IP to ASTM. For additional information,
22 please see the ASTM IP Policy, available at
23 www.astm.org"?
24 A. Yes.
25 Q. For these membership renewal

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1 invoices, are individuals required to check
2 any box showing that they have read and
3 understand the provision that I just read out
4 loud?
5 MR. FEE: Objection. Vague.
6 Compound.
7 THE WITNESS: I don't see here
8 where there's a box to check off.
9 BY MR. BECKER:
10 Q. For the membership renewal
11 invoices, are the members required to sign
12 anywhere on the renewal invoice?
13 MR. FEE: Same objections.
14 THE WITNESS: I don't see
15 anywhere else other than the signature
16 for where the credit card information
17 is.
18 BY MR. BECKER:
19 Q. And if an individual pays by
20 some other means that doesn't require a
21 credit card, would it not be necessary to
22 sign this membership renewal invoice at all
23 in order to get a membership renewal?
24 MR. FEE: Objection. Calls for
25 speculation. Form.

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1 THE WITNESS: I don't know. I
 2 guess you could sign a check. The
 3 only other way you could pay is
 4 through a check, so you could sign a
 5 check.
 6 BY MR. BECKER:
 7 Q. It also lists electronic
 8 payments. Correct?
 9 A. Yes.
 10 Q. So if somebody were to provide
 11 an electronic payment, then they would not
 12 need to sign anywhere on this form. Is that
 13 correct?
 14 MR. FEE: Objection. Calls for
 15 speculation.
 16 THE WITNESS: I suppose.
 17 BY MR. BECKER:
 18 Q. Is there any means through the
 19 membership renewal invoice that ASTM ensures
 20 that it has the understanding and assent of
 21 the individual renewing his or her membership
 22 that any copyright he or she has in the
 23 development or creation of ASTM standards is
 24 to be assigned to ASTM?
 25 MR. FEE: Objection. Vague and

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1 confusing. Calls for speculation.
 2 Calls for a legal conclusion.
 3 THE WITNESS: Through the
 4 original membership application,
 5 through the work item registration
 6 process, and through the collaboration
 7 registration process.
 8 BY MR. BECKER:
 9 Q. My question was with regards to
 10 the 2011 membership renewal invoice. I'll
 11 read it again.
 12 Is there any means through the
 13 membership renewal invoice that ASTM ensures
 14 that it has the understanding and assent of
 15 the individual renewing his or her membership
 16 that any copyright he or she has in the
 17 development or creation of ASTM standards is
 18 to be assigned to ASTM?
 19 MR. FEE: Objection to form.
 20 Vague and confusing. Compound. Calls
 21 for speculation and calls for a legal
 22 conclusion.
 23 THE WITNESS: Within the 2011
 24 membership renewal invoice, the only
 25 thing that is there is this language

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1 that we read.
 2 BY MR. BECKER:
 3 Q. And my question is, is there
 4 any means through the membership renewal
 5 invoice that ASTM ensures that it has the
 6 understanding and assent of the individual
 7 who is renewing his or her membership that
 8 any copyright he or she has in the
 9 development or creation of ASTM standards is
 10 to be assigned to ASTM?
 11 MR. FEE: Same objections. Plus
 12 asked and answered.
 13 THE WITNESS: Plus what?
 14 MR. FEE: Asked and answered.
 15 THE WITNESS: Same answer.
 16 BY MR. BECKER:
 17 Q. It's a yes or no answer.
 18 MR. FEE: No. Answer it however
 19 you want to answer it.
 20 THE WITNESS: Within the 2011
 21 membership renewal invoice, there is
 22 this clause that we feel is -- informs
 23 the members that they're assigning
 24 their copyright to us within their
 25 participation at ASTM.

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1 BY MR. BECKER:
 2 Q. How does ASTM know that a
 3 member has read that clause?
 4 A. We don't.
 5 Q. How does ASTM know that a
 6 member agrees with that clause?
 7 MR. FEE: Objection to the
 8 extent it calls for a legal
 9 conclusion. Also calls for
 10 speculation. You can answer.
 11 THE WITNESS: We don't know for
 12 sure.
 13 - - -
 14 (Exhibit 1294, Organizational
 15 Membership Directory, was marked for
 16 identification.)
 17 - - -
 18 BY MR. BECKER:
 19 Q. I'm handing you what's been
 20 marked as Exhibit 1294. It's a document
 21 titled: "Organizational Membership
 22 Directory." This is two separate printouts
 23 combined. It is the A to K listing and the L
 24 to Z listing. It's something -- it's over
 25 100 pages long.

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1 THE WITNESS: They make
2 contributions at the meetings.
3 BY MR. BECKER:
4 Q. And do those contributions end
5 up in the final approved standards?
6 MR. FEE: Objection. Vague.
7 THE WITNESS: I don't -- I can't
8 say specifically.
9 BY MR. BECKER:
10 Q. What kind of contributions do
11 they provide at these meetings?
12 MR. FEE: Objection. Vague.
13 THE WITNESS: Oral contributions.
14 BY MR. BECKER:
15 Q. Do they provide any written
16 contributions?
17 MR. FEE: Objection. Vague.
18 THE WITNESS: They may through
19 the balloting process.
20 BY MR. BECKER:
21 Q. Do they vote on standard drafts
22 or revisions?
23 MR. FEE: Objection. Form.
24 THE WITNESS: They may. They
25 have the opportunity to.

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1 - - -
2 (Exhibit 1295, E-mail chain with
3 attachment, Bates ASTM025633 -
4 ASTM025640, was marked for
5 identification.)
6 - - -
7 BY MR. BECKER:
8 Q. I'm handing you what's been
9 marked as Exhibit 1295.
10 Could you, please, take a
11 moment to try to put the pages for the
12 previous exhibit back in the same order that
13 they were provided to you, if possible?
14 MR. BRIDGES: I'll do that.
15 Hand them to me, I'll do that.
16 THE WITNESS: I think that's the
17 order.
18 BY MR. BECKER:
19 Q. Do you recognize this document
20 that has been provided to you as
21 Exhibit 1295? It is Bates number ASTM025633
22 to 025640.
23 A. No.
24 Q. Are you copied on this e-mail
25 that's Exhibit 1295?

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1 A. Yes.
2 Q. Did you ever receive this
3 e-mail that's Exhibit 1295?
4 A. I may have.
5 Q. Do you have any reason to think
6 that if you had -- that you did not receive
7 this e-mail produced by ASTM that has your
8 name listed under the cc line?
9 A. No.
10 Q. Do you have any reason to
11 believe that this document provided by ASTM
12 is not authentic?
13 MR. FEE: Objection. Calls for
14 a legal conclusion.
15 THE WITNESS: I have no idea.
16 BY MR. BECKER:
17 Q. Is that a yes or a no?
18 A. I don't know. I don't see any
19 reason why it wouldn't be.
20 Q. If you turn to the second page,
21 it says -- this is an e-mail from Sarah
22 Petre, P-E-T-R-E, to Jeff Grove that says --
23 in which you are cc'd at dsmith@astm.org. Is
24 that correct?
25 A. Yes.

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1 Q. And it says, "Jeff: Attached
2 is a summary of all the potentially relevant
3 standards related to the UE's efforts that
4 focus on the environmental footprint of
5 products and services. This list is more
6 over inclusive. I also included a list of
7 the EPA members that participate in E50 or
8 E60." Is that correct?
9 A. That's what it says.
10 Q. Then if you turn to Bates
11 number ASTM025637, the second paragraph from
12 the top says, "The following representatives
13 from EPA participate on the relevant ASTM
14 committees...," and then lists a number of
15 individuals. Is that correct?
16 A. Yes.
17 Q. Do you know any of these
18 individuals that are listed?
19 A. Yes.
20 Q. Which individuals do you know?
21 A. I know Deb Goldblum. I know
22 Sven-Erik Kaiser. And I know Patricia
23 Overmeyer.
24 Q. Who is Deborah Goldblum?
25 A. She works in the EPA. It's --

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1 marked for identification.)
 2 - - -
 3 BY MR. BECKER:
 4 Q. I'm handing you what's been
 5 marked as Exhibit 1300. Could you, please,
 6 identify this document?
 7 A. It says at the top "Laboratory
 8 Inspection Program," but it would appear to
 9 be a membership application.
 10 Q. I'll note that this document is
 11 produced by ASTM as ASTM067024. Is there any
 12 mention of copyright assignment or ASTM's IP
 13 Policy on this document?
 14 MR. FEE: Objection to form.
 15 THE WITNESS: I don't see that
 16 language on here, no.
 17 - - -
 18 (Exhibit 1301, Membership
 19 applications, Bates ASTM066871,
 20 ASTM069213, ASTM069058, ASTM080176,
 21 ASTM061450, ASTM063146, ASTM063147,
 22 ASTM065682 & ASTM066345, was marked
 23 for identification.)
 24 - - -
 25 BY MR. BECKER:

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1 Q. I'm handing you what's been
 2 marked as Exhibit 1301. This is a
 3 compilation of documents that were provided
 4 by ASTM as single pages. It is one example
 5 from each year from which ASTM has provided a
 6 membership application starting with the 2007
 7 membership application and ending with the
 8 2014 membership application. And the Bates
 9 numbers are ASTM066871, ASTM069213,
 10 ASTM069058, ASTM080176, ASTM061450,
 11 ASTM063146, ASTM063147, ASTM065682 and
 12 ASTM066345.
 13 Are these the ASTM membership
 14 application forms for the years 2007 through
 15 2014?
 16 MR. FEE: Objection to the
 17 extent the witness has cherry picked
 18 pages of membership applications that
 19 were produced to you; to form as well,
 20 and compound.
 21 THE WITNESS: These are versions
 22 of the application from these years.
 23 BY MR. BECKER:
 24 Q. Were there multiple versions of
 25 the ASTM membership applications for these

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1 respective years, 2007 through 2014?
 2 MR. FEE: Objection to form.
 3 THE WITNESS: There probably
 4 was, yes.
 5 BY MR. BECKER:
 6 Q. How do you know that?
 7 A. Well, because I know our
 8 applications, we have applications that have
 9 the language that we spoke about earlier that
 10 was on, was it 1293, Exhibit 1293? We have
 11 copies of membership applications that have
 12 that language on there.
 13 Q. Exhibit 1293 is a membership
 14 renewal invoice. Correct?
 15 A. Yes.
 16 Q. And a membership renewal
 17 invoice is different from a membership
 18 application. Correct?
 19 A. Yes.
 20 Q. So when you say that there are
 21 different versions, do you mean that there is
 22 different versions of the membership
 23 applications for each year or that there is a
 24 membership application and there also is a
 25 membership renewal invoice --

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1 MR. FEE: Objection. Form.
 2 BY MR. BECKER:
 3 Q. -- for each year?
 4 A. We have membership applications
 5 for these years that have that language from
 6 Exhibit 1293 on them.
 7 Q. How do you know that there are
 8 membership applications for all of the years
 9 2007 through 2014 that have the same language
 10 that is from the 2011 membership renewal
 11 invoice Exhibit 1293?
 12 MR. FEE: Objection to form.
 13 THE WITNESS: Because I believe
 14 we put the language on the renewal
 15 forms and the application forms at the
 16 same time.
 17 BY MR. BECKER:
 18 Q. Why would there be membership
 19 applications that do not have the language
 20 that you're referring to? And to -- let
 21 me -- hold on. Let me clarify.
 22 By the language that you're
 23 referring to on Exhibit 1293, you're
 24 referring to the purported copyright
 25 assignment language that starts with "You

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1 agree. By your participation in ASTM...."
 2 Correct?
 3 A. Yes.
 4 MR. FEE: Hold on. Objection to
 5 form.
 6 THE WITNESS: Sorry.
 7 MR. FEE: It's compound. Calls
 8 for a legal conclusion.
 9 THE WITNESS: The language that
 10 I'm talking about is on Exhibit 1293
 11 that begins with "You agree, by your
 12 participation...."
 13 BY MR. BECKER:
 14 Q. Why do you believe that ASTM
 15 put the language that you're referring to on
 16 the renewal forms and the application forms
 17 at the same time?
 18 A. That's what I recall.
 19 Q. Recall from what?
 20 MR. FEE: Objection. Vague.
 21 THE WITNESS: Just what I
 22 remember.
 23 BY MR. BECKER:
 24 Q. Do you know when ASTM first
 25 used the language that you're referring to

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1 from Exhibit 1293?
 2 A. Not exactly sure.
 3 Q. Do you have any idea as to what
 4 year ASTM first started using that language
 5 that appears on Exhibit 1293?
 6 A. I thought it was in about 2005.
 7 Q. Do you have any way to confirm
 8 when ASTM began using that language that was
 9 featured on Exhibit 1293?
 10 MR. FEE: Objection. Vague.
 11 THE WITNESS: Not right here,
 12 now.
 13 BY MR. BECKER:
 14 Q. How would you go about
 15 confirming that?
 16 A. I would ask our general counsel.
 17 Q. Is there any other way that you
 18 would confirm that?
 19 A. Not right now.
 20 Q. Is there anyone who would know
 21 other than ASTM's general counsel when the
 22 copyright assignment language that you're
 23 referring to from 1293 was first used by ASTM
 24 on membership forms?
 25 A. I'm not sure.

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1 Q. How many different forms of
 2 membership application existed in 2007?
 3 A. I don't know.
 4 Q. Do you know how many different
 5 forms of membership application ASTM had for
 6 the year 2008?
 7 A. No.
 8 Q. Do you know how many forms of
 9 membership application ASTM had for the year
 10 2009?
 11 A. No.
 12 Q. Do you know how many forms of
 13 membership application ASTM had for 2010?
 14 A. No.
 15 Q. How about for 2011?
 16 A. No.
 17 Q. Or 2012?
 18 A. No.
 19 Q. Or 2013?
 20 A. No.
 21 Q. Or 2014?
 22 A. No.
 23 Q. Do you know why ASTM has
 24 different membership application forms?
 25 MR. FEE: Objection. To the

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1 extent that your answering that
 2 question would disclose
 3 attorney-client communications, you
 4 shouldn't disclose that. You can
 5 answer otherwise.
 6 THE WITNESS: No. My experience
 7 has been that if we go to a very
 8 focused individual conference, there
 9 may be a -- it could be the staff
 10 manager prepares an application for
 11 that particular committee and did not
 12 use the most current application.
 13 BY MR. BECKER:
 14 Q. Is there a difference between
 15 ASTM membership application forms and ASTM
 16 committee membership application forms?
 17 MR. FEE: Objection. Vague.
 18 THE WITNESS: We have a type of
 19 membership that's called a
 20 participating membership where you
 21 join technical committees. And then
 22 we also have informational members
 23 that just joined ASTM but they do not
 24 join a particular technical committee.
 25 But I'm not aware of a difference

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1 BY MR. BECKER:
2 Q. On the next page, ASTM063147,
3 it has different language concerning the ASTM
4 Intellectual Property Policy than the 2012
5 membership application that we were just
6 discussing. Is that correct?
7 MR. FEE: Hold on one second.
8 You can answer.
9 THE WITNESS: Yes, that language
10 is different.
11 BY MR. BECKER:
12 Q. The language that's on
13 ASTM063147 is similar to the language that's
14 on Exhibit 1293, the 2011 membership renewal
15 invoice. Is that correct?
16 MR. FEE: Objection. Vague.
17 THE WITNESS: Yep, that looks
18 correct. Slightly different.
19 BY MR. BECKER:
20 Q. Why is this language different
21 for the 2012 committee membership application
22 than for the 2012 membership application?
23 MR. FEE: Objection. To the
24 extent that would require you to
25 disclose attorney-client

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1 communications, you shouldn't do so.
2 If you can answer otherwise, go ahead.
3 THE WITNESS: My perspective is
4 that they're the same thing. They're
5 both intended for an individual to
6 join a particular committee.
7 BY MR. BECKER:
8 Q. Why is the copyright -- you say
9 they're the same thing, the copyright
10 assignment language?
11 MR. FEE: Same objection and
12 instruction.
13 THE WITNESS: No, I believe the
14 form is the same thing. It serves the
15 same purpose. It's an application so
16 an individual can join the technical
17 committee.
18 BY MR. BECKER:
19 Q. And my question was about the
20 actual language that ASTM believes concerns
21 copyright assignment. Why is there a
22 difference in the language concerning ASTM's
23 IP Policy on ASTM063146 as opposed to the
24 language concerning ASTM's IP Policy on
25 ASTM063147?

Page 223

1 MR. FEE: Objection to form. I
2 also object to the extent it calls for
3 attorney-client communications. You
4 shouldn't disclose any communications
5 between you and counsel, but you can
6 answer otherwise.
7 THE WITNESS: I believe the
8 language that is at the top of
9 ASTM063146 was language that we used
10 prior to the language that we used
11 that's contained on ASTM063147.
12 BY MR. BECKER:
13 Q. But if you then turn the page
14 to ASTM065682, that's a 2013 membership
15 application, and it has the same language
16 concerning the ASTM Intellectual Property
17 Policy as on ASTM063146. Correct?
18 A. That's what it looks like.
19 Q. If you turn the page to the
20 following page, the 2014 membership
21 application also has that same language.
22 Correct?
23 A. Yes.
24 Q. So ASTM has continued to use
25 this language into 2014?

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1 MR. FEE: Objection. Vague.
2 THE WITNESS: That's what it
3 would appear to me.
4 BY MR. BECKER:
5 Q. Who knows how many different
6 versions exist for the membership
7 applications during each year from 2007 to
8 2014?
9 A. I don't know if anybody knows.
10 Q. Why is that?
11 MR. FEE: Objection. Calls for
12 speculation.
13 THE WITNESS: My experience as
14 being a staff manager is I don't think
15 people think about the version of an
16 application that's being used. I
17 think it's viewed as a tool that
18 enables an individual to join a
19 technical committee.
20 BY MR. BECKER:
21 Q. Who creates the membership
22 applications such as the 2014 membership
23 application ASTM066345?
24 A. I'm not sure who creates it.
25 Maybe our customer relations. Maybe it's our

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1 I just want to say that Mr. Smith has
 2 been available to be deposed since
 3 10:00 a.m. this morning. It's now
 4 7:00. We have about 55 minutes left.
 5 We're not staying past 8:00. So if
 6 you're going to take any other breaks,
 7 it better be short. That was a
 8 20-minute break and I think a complete
 9 waste of time. Go ahead.
 10 BY MR. BECKER:
 11 Q. Mr. Smith, I've handed you
 12 what's marked as Exhibit 1311. This is a
 13 document produced by ASTM as 003501 to 3522.
 14 Could you, please, identify it?
 15 A. It says, "RECORD RETENTION
 16 POLICY."
 17 Q. Is this ASTM's record retention
 18 policy?
 19 A. Yes, I believe it is.
 20 Q. Have you -- did you review
 21 ASTM's record retention policy in preparation
 22 for the deposition today?
 23 A. I reviewed it very briefly.
 24 Q. Do you know what category under
 25 the record retention policy that membership

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1 application forms would qualify as?
 2 MR. FEE: Objection. It's
 3 beyond the scope of his designation.
 4 THE WITNESS: Are you referring
 5 to any particular pages?
 6 BY MR. BECKER:
 7 Q. Yes. If you look at ASTM 3502
 8 and 3503, it says, "Types of Records." That
 9 includes "Temporary Records," "Final Records"
 10 and "Permanent Records." And then it also
 11 has B is -- section B, "Types of Records That
 12 have Legal or Regulatory Periods of
 13 Retention," "Accounting and Corporate Tax
 14 Records," "Corporate Records," "Employment
 15 and Employee Records," "Bank Records," and
 16 "Legal Records."
 17 A. I don't know what category
 18 membership application would fall under,
 19 would just -- I'm not sure.
 20 Q. Do you know what category the
 21 ASTM IP Policy would fall under?
 22 MR. FEE: Objection. Beyond the
 23 scope.
 24 THE WITNESS: No, I don't know.
 25 I'm not very familiar with the "Types

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1 of Records," section III.
 2 - - -
 3 (Exhibit 1312, 11/21/08 E-mail
 4 with attachment, Bates ASTM088320 -
 5 ASTM088325, was marked for
 6 identification.)
 7 - - -
 8 BY MR. BECKER:
 9 Q. I'm handing you what's been
 10 marked as Exhibit 1312. This is the document
 11 produced by ASTM as ASTM088320 to ASTM088325.
 12 It is an e-mail with an attachment that says,
 13 "ASTM International Author/Copyright Owner
 14 Agreement." Is this attachment a correct
 15 copy of the ASTM International
 16 Author/Copyright Ownership Agreement?
 17 MR. FEE: Objection. Vague as
 18 to time. Beyond the scope of the
 19 designation as well.
 20 THE WITNESS: I'm not sure.
 21 BY MR. BECKER:
 22 Q. Who would know whether this
 23 attachment is a correct copy of the ASTM
 24 International Author/Copyright Ownership
 25 Agreement?

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1 MR. FEE: Objection. Beyond the
 2 scope.
 3 THE WITNESS: I would have to
 4 read it first to possibly give you an
 5 answer.
 6 Our publications department
 7 might be able to tell you whether or
 8 not this is the correct
 9 Author/Copyright Owner Agreement since
 10 it's a journal paper, relevant to a
 11 journal paper.
 12 - - -
 13 (Exhibit 1313, Web site
 14 screenshots, Bates ASTM001792 -
 15 ASTM001800, was marked for
 16 identification.)
 17 - - -
 18 BY MR. BECKER:
 19 Q. I'm handing you what's been
 20 marked as Exhibit 1313. This document was
 21 produced by ASTM with Bates number ASTM001792
 22 to 1800. What is this document?
 23 A. This looks like it is
 24 screenshots from our Web site for how an
 25 individual would renew their membership.

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1 that I've provided here as Exhibit 1315?
 2 MR. FEE: Same objections, plus
 3 lack of formation -- or foundation.
 4 Sorry.
 5 THE WITNESS: I'm not aware of
 6 whether there was or there was not.
 7 - - -
 8 (Exhibit 1316, Regulations
 9 Governing ASTM Technical Committees,
 10 was marked for identification.)
 11 - - -
 12 BY MR. BECKER:
 13 Q. I'm handing you what's been
 14 marked as Exhibit 1316. Could you, please,
 15 tell me what this document is?
 16 A. The front page says the
 17 "REGULATIONS GOVERNING ASTM TECHNICAL
 18 COMMITTEES."
 19 Q. What are the Regulations
 20 Governing ASTM Technical Committees?
 21 A. It's essentially this entire
 22 document if it's all included here.
 23 Q. Does it appear to be all
 24 included there?
 25 A. I'd have to go through it, but

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1 it could. Looks like it.
 2 Q. What is the purpose of the
 3 Regulations Governing ASTM Technical
 4 Committees?
 5 MR. FEE: Objection. Beyond the
 6 scope. Vague.
 7 THE WITNESS: Technical
 8 committees follow the regulations and
 9 develop member standards.
 10 BY MR. BECKER:
 11 Q. Do you use the Regulations
 12 Governing ASTM Technical Committees in the
 13 course of your work with ASTM?
 14 A. Yes.
 15 Q. How do you use them?
 16 A. As staff people, we advise our
 17 technical committees on the regulations so
 18 that they -- the regulations can be followed
 19 in the development of their standards.
 20 Q. Do staff members do other
 21 things to assist the members of the technical
 22 committees?
 23 MR. FEE: Objection. Vague.
 24 THE WITNESS: Yes.
 25 BY MR. BECKER:

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1 Q. What do staff members do to
 2 assist the members of technical committees?
 3 MR. FEE: Objection. Vague.
 4 THE WITNESS: General
 5 assistance. Provide them with advice
 6 on regulations, on our form and style
 7 manual. We have interlaboratory study
 8 program that assists our members. A
 9 variety of things. I don't know if
 10 there's anything specific that you
 11 want me to focus on.
 12 BY MR. BECKER:
 13 Q. Does -- how does ASTM staff
 14 members assist individual -- assist technical
 15 committee members in the drafting or revision
 16 of standards?
 17 MR. FEE: Objection. Vague.
 18 THE WITNESS: We have -- we
 19 provide them with editorial
 20 assistance, so we'll provide editorial
 21 help within the documents. Our
 22 interlaboratory study program is
 23 responsible for organizing round-robin
 24 studies for collecting the data and
 25 doing the number crunching in order to

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1 produce precision statements. Our ILS
 2 team will produce the research reports
 3 which are referenced in the standard.
 4 We will help -- we have a graphics
 5 department that will create graphics
 6 for the standards, for committee
 7 members. We have an up-front editor
 8 that provides a great deal of
 9 assistance if we have a draft that
 10 needs to be put into proper ASTM form
 11 and style. We provide them with
 12 assistance on language for caveats
 13 that are placed in the ASTM standards.
 14 BY MR. BECKER:
 15 Q. Anything else?
 16 A. We provide an awful lot of
 17 assistance, but nothing else that comes to
 18 mind at this particular time.
 19 Q. When you say editorial
 20 assistance, what do you mean by that?
 21 A. Grammatical things. We'll
 22 inform members if they have mandatory
 23 language in a non-mandatory section, that
 24 that's outside the form and style policy. Or
 25 vice versa, if they have non-mandatory

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1 language in a mandatory section, we'll
 2 provide assistance in tweaking that language
 3 so that it's within the form and style
 4 guidelines.
 5 Q. Anything else in terms of
 6 editorial assistance other than grammatical
 7 assistance?
 8 A. We could take a document and
 9 place it and organize it so that it has the
 10 relevant sections as defined in the form and
 11 style manual.
 12 Q. Do you mean to reorganize a
 13 draft standard, is that what you're saying?
 14 A. Yes.
 15 Q. What are -- excuse me.
 16 Anything else in terms of
 17 editorial assistance?
 18 A. Our editors will also take a
 19 document that's been approved through our
 20 balloting process, if it's a new standard,
 21 they'll put it into publication format and
 22 work with the technical contacts to make sure
 23 that everything looks good prior to
 24 publication.
 25 Q. When you say they put it into

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1 publication format, does that involve any
 2 changes to the content of the draft standard?
 3 MR. FEE: Objection. Vague.
 4 THE WITNESS: It involves taking
 5 what was balloted in the Word format
 6 and placing it into our XML format
 7 that we use for producing PDFs.
 8 BY MR. BECKER:
 9 Q. Is that a no?
 10 MR. FEE: Objection. You can
 11 answer the question however you like.
 12 You don't have to answer it yes or no.
 13 THE WITNESS: Did you ask me is
 14 that a no?
 15 BY MR. BECKER:
 16 Q. Yeah.
 17 A. What was -- can you repeat the
 18 original question?
 19 Q. The question was, when you say
 20 you put it into publication format, does that
 21 involve any changes to the content of the
 22 draft standards?
 23 MR. FEE: Objection. Vague.
 24 THE WITNESS: It could,
 25 editorial changes, yes.

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1 BY MR. BECKER:
 2 Q. Is that the same grammatical
 3 changes that you were referring to before?
 4 MR. FEE: Objection.
 5 Mischaracterizes his testimony.
 6 Vague.
 7 BY MR. BECKER:
 8 Q. I'm sorry, what did you say?
 9 A. The editors could work with the
 10 technical contacts to incorporate editorial
 11 changes, grammatical or reorganization of
 12 content.
 13 Q. Who are the technical contacts?
 14 A. Who are they?
 15 Q. Yeah.
 16 A. They are individuals that take
 17 the lead in developing a new standard or in
 18 developing a revision to an existing
 19 standard.
 20 Q. Are those volunteers or are
 21 those employees of ASTM?
 22 MR. FEE: Objection. Vague.
 23 Calls for a legal conclusion.
 24 THE WITNESS: They're
 25 volunteers.

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1 BY MR. BECKER:
 2 Q. What did you mean when you said
 3 precision statements?
 4 A. Precision statements are
 5 included in test methods.
 6 Q. What are precision statements?
 7 A. Precision statements include
 8 statements on repeatability and reproducibility.
 9 Q. What do you mean by that?
 10 A. For a test method, a statement
 11 of repeatability would be a laboratory taking
 12 the ASTM test method and running the test in
 13 the laboratory several times. And they take
 14 the results of that test and they see how
 15 close each iteration is. And if the results
 16 are very close, then that would indicate good
 17 precision. If it's -- if the results are not
 18 close, then that would indicate poor
 19 precision. So that's what repeatability is.
 20 Then reproducibility is at least six labs
 21 doing the same thing as what I just described
 22 as that one lab. And then the
 23 reproducibility is a statement that analyzes
 24 the results from all six or more labs.
 25 Q. Do the same precision

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1 statements appear in different standards?
 2 A. In test methods.
 3 Q. For test methods they do?
 4 A. Yes.
 5 Q. What is the work that the
 6 graphics department does?
 7 MR. FEE: Objection. Vague.
 8 THE WITNESS: Graphics, I don't
 9 know exactly everything that they do,
 10 but they will take figures that are
 11 perhaps old from years ago and we will
 12 use them in our technology, update
 13 them to make them more user friendly.
 14 BY MR. BECKER:
 15 Q. Are these figures that were
 16 created by committee members or how are these
 17 figures created that the graphics department
 18 would update?
 19 MR. FEE: Objection to form.
 20 THE WITNESS: I would assume by
 21 the committee members.
 22 BY MR. BECKER:
 23 Q. Do members -- do committee
 24 members vote on the changes that -- or
 25 additions that you just described?

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1 MR. FEE: Objection.
 2 Mischaracterizes his testimony. Vague
 3 and ambiguous.
 4 THE WITNESS: Yes.
 5 BY MR. BECKER:
 6 Q. Do committee members vote on
 7 the final versions of ASTM standards?
 8 A. I'm not sure what you mean by
 9 "final versions."
 10 Q. Do committee members vote on
 11 ASTM standards, on the final appearance of
 12 ASTM standards?
 13 MR. FEE: Objection. Vague.
 14 THE WITNESS: The final
 15 appearance, the published format?
 16 BY MR. BECKER:
 17 Q. Yes.
 18 A. No.
 19 Q. Do ASTM committee members vote
 20 on the content that appears in the final form
 21 of ASTM standards?
 22 MR. FEE: Objection. Vague.
 23 THE WITNESS: The content that
 24 is balloted and approved through our
 25 consensus process is not changed

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1 significantly when it's transformed
 2 into the published version.
 3 BY MR. BECKER:
 4 Q. When you say it's not changed
 5 significantly, what do you mean?
 6 A. There could be editorial
 7 changes. So that's a service that our
 8 editors perform. When they're putting it
 9 into the published version, they will work
 10 with the technical contact to incorporate any
 11 editorial changes that may have been agreed
 12 upon by the committee.
 13 Q. You mentioned caveats in ASTM
 14 standards. What are those?
 15 A. There are caveats that are in
 16 our form and style manual.
 17 Q. Are those -- what exactly are
 18 the caveats in the form and style manual?
 19 MR. FEE: Objection. Vague.
 20 THE WITNESS: I wouldn't be able
 21 to name all of them for you, but there
 22 are caveats related to the use of
 23 units, so the standard will -- the --
 24 there will be a caveat that will
 25 identify the use of units within a

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1 particular standard. We have certain
 2 safety caveats and hazardous caveats.
 3 I think we have a caveat that deals
 4 with mercury being used in the
 5 standard. I'm sure there are some
 6 others.
 7 - - -
 8 (Exhibit 1317, Participating
 9 Membership Applications, Bates
 10 ASTM064686 - ASTM064692, was marked
 11 for identification.)
 12 - - -
 13 BY MR. BECKER:
 14 Q. I'm handing you what's been
 15 marked as Exhibit 1317. This document has
 16 been produced by ASTM as ASTM064686 to 64692.
 17 What is this document?
 18 A. This looks like a copy of an
 19 old application that was downloaded and saved
 20 from our Web site and that was filled out by
 21 hand. Best guess.
 22 - - -
 23 (Exhibit 1318, E-mail chain with
 24 attachment, Bates ASTM087493 -
 25 ASTM087497, was marked for

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1 identification.)
2 - - -
3 BY MR. BECKER:
4 Q. I'm handing you what's been
5 marked as Exhibit 1318. Does this exhibit
6 appear to show an individual who was
7 attempting to renew his application,
8 membership application with ASTM by phone --
9 A. I'd have to read it.
10 Q. -- and e-mail?
11 A. [Reviewing document.] Looks
12 like, based on what I'm reading here, they
13 were trying to renew the membership by phone,
14 but it doesn't say that it actually happened.
15 Q. Can ASTM members renew their
16 membership by phone or e-mail?
17 A. They could. It's not -- I
18 don't think it's very common, but they could.
19 - - -
20 (Exhibit 1319, 2011 ASTM
21 International Committee Membership
22 Application, Bates ASTM061183, was
23 marked for identification.)
24 - - -
25 BY MR. BECKER:

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1 Standards Writing 101 How To [as read]. It
2 looks like something that was written in
3 Standardization News back in 2000.
4 Q. Does this document accurately
5 reflect the way that standards were developed
6 at ASTM in approximately March of 2000?
7 MR. FEE: You're going to have
8 to read the whole document to answer
9 that question.
10 THE WITNESS: This was, I
11 believe, a way that an individual
12 could request the development of a new
13 standard.
14 BY MR. BECKER:
15 Q. So there were other ways that
16 an individual could request the development
17 of a new standard as of March 2000?
18 A. Yeah, they could make a request
19 from the subcommittee or by the subcommittee
20 chairman.
21 - - -
22 (Exhibit 1321, How Standards are
23 Developed article, was marked for
24 identification.)
25 - - -

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1 Q. I'm handing you what's been
2 marked as Exhibit 1319, document produced by
3 ASTM as Bates number ASTM061183. What is
4 this document?
5 A. It says, "2011 ASTM...Committee
6 Membership Application."
7 Q. Does this document appear to
8 have a line crossed through the language
9 concerning the ASTM IP Policy?
10 MR. FEE: Objection. The
11 document speaks for itself.
12 THE WITNESS: I can't say that
13 that's a line or whether that's an
14 indicator towards the individual's
15 account number.
16 - - -
17 (Exhibit 1320, How To Standards
18 Writing 101 New Standards, was marked
19 for identification.)
20 - - -
21 BY MR. BECKER:
22 Q. I'm handing you what's been
23 marked as Exhibit 1320. What is this
24 document?
25 A. I'm not sure. It says

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1 BY MR. BECKER:
2 Q. I'm handing you what's been
3 marked as Exhibit 1321. This document was
4 printed from the ASTM Web site at
5 www.astm.org/MEMBERSHIP/standardsdevelop.HTML.
6 What is this document?
7 A. It looks like maybe an article.
8 MR. FEE: Objection. Lack of
9 foundation.
10 THE WITNESS: Maybe an article
11 we have on our Web site that helps
12 provide guidance for our members.
13 BY MR. BECKER:
14 Q. Do you know what a US TAG ISO
15 list is?
16 A. A US --
17 Q. US TAG ISO list.
18 A. United States Technical
19 Advisory Group ISO list, I don't know if that
20 refers to the list of members that are
21 serving on the technical advisory group.
22 - - -
23 (Exhibit 1322, 8/13/08 E-mail,
24 Bates ASTM073852, was marked for
25 identification.)

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1 IP Policy or assignments?
 2 MR. BECKER: Object as to form.
 3 THE WITNESS: There is
 4 additional language. This document
 5 identifies membership renewal Web
 6 screenshots for different types of
 7 members. So I identified page 2, and
 8 then there's also additional language
 9 on page ASTM001796 as well as
 10 ASTM001798. And I believe that's it.
 11 MR. FEE: I have no other
 12 questions.
 13 Do you have any other questions
 14 or is he done?
 15 MR. BECKER: No, no redirect.
 16 MR. FEE: Great. Thank you.
 17 THE WITNESS: Thanks.
 18 VIDEOGRAPHER: The time is now
 19 7:57. This concludes the videotape
 20 deposition of Dan Smith.
 21 - - -
 22 (Witness excused.)
 23 - - -
 24 (Deposition concluded at 7:57
 25 p.m.)

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1 I declare under penalty of perjury
 2 under the laws that the foregoing is
 3 true and correct.
 4
 5 Executed on _____, 20____,
 6 at _____, _____.
 7
 8
 9
 10
 11 _____
 12 DANIEL SMITH
 13
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1 CERTIFICATE
 2
 3
 4 I do hereby certify that I am a Notary
 5 Public in good standing, that the aforesaid
 6 testimony was taken before me, pursuant to
 7 notice, at the time and place indicated; that
 8 said deponent was by me duly sworn to tell
 9 the truth, the whole truth, and nothing but
 10 the truth; that the testimony of said
 11 deponent was correctly recorded in machine
 12 shorthand by me and thereafter transcribed
 13 under my supervision with computer-aided
 14 transcription; that the deposition is a true
 15 and correct record of the testimony given by
 16 the witness; and that I am neither of counsel
 17 nor kin to any party in said action, nor
 18 interested in the outcome thereof.
 19
 20 WITNESS my hand and official seal this
 21 7th day of August, 2015.
 22
 23
 24
 25

 Notary Public

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EXHIBIT 14

CERTIFICATE OF COPYRIGHT REGISTRATION

FOR TX
UNITED STATES COPYRIGHT OFFICE

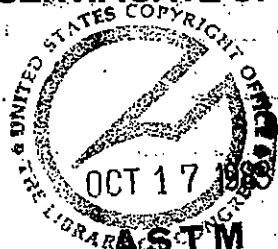
REGISTRATION NUMBER

TX-1 1-187-015

EFFECTIVE DATE OF REGISTRATION

SEP 14 1983

Month Day Year



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PUBLICATION DIVISION

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Third Road

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Metals - Mechanical Testing; Elevated and Low Temperature Tests

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If published in a periodical or serial give: Volume ▼ Number ▼ Issue Date ▼ On Pages ▼

2
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American Society for Testing and Materials

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Year Born ▼ Year Died ▼

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OR { Citizen of ▼
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Month ▶ August Day ▶ 10 Year ▶ 1983
United States
Nation

4
COPYRIGHT CLAIMANT(S) Name and address must be given even if the claimant is the same as the author given in space 2. ▼

American Society for Testing and Materials
1916 Race Street
Philadelphia, PA 19103

APPLICATION RECEIVED
14 SEP 1983
ONE DEPOSIT RECEIVED
TWO DEPOSITS RECEIVED
14 SEP 1983
REMITTANCE NUMBER AND DATE

TRANSFER If the claimant(s) named here in space 4 are different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright. ▼

325661 SEP 14 83

MORE ON BACK ▶ Complete all applicable spaces (numbers 5-11) on the reverse side of this page.

EXHIBIT

1291
7-24-15

ASTM000001

NOTE

Under the law, the "author" of a "work made for hire" is generally the employer, not the employee (see instructions). For any part of this work that was "made for hire" check "Yes" in the space provided, give the employer (or other person for whom the work was prepared) as "Author" of that part, and leave the space for dates of birth and death blank.

EXAMINED BY *AD*

FORM TX

CHECKED BY *MCC*

CORRESPONDENCE
Yes

DEPOSIT ACCOUNT
FUNDS USED

FOR
COPYRIGHT
OFFICE
USE
ONLY

TX-11 1-187-015

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

PREVIOUS REGISTRATION Has registration for this work, or for an earlier version of this work, already been made in the Copyright Office?

Yes No If your answer is "Yes," why is another registration being sought? (Check appropriate box) ▼

This is the first published edition of a work previously registered in unpublished form.

This is the first application submitted by this author as copyright claimant.

This is a changed version of the work, as shown by space 6 on this application.

If your answer is "Yes," give: Previous Registration Number ▼

Year of Registration ▼

TX 900-070

1982

DERIVATIVE WORK OR COMPILATION Complete both space 6a & 6b for a derivative work; complete only 6b for a compilation.

a. Preexisting Material Identify any preexisting work or works that this work is based on or incorporates. ▼

1982 Annual Book of ASTM Standards Part 10

b. Material Added to This Work Give a brief, general statement of the material that has been added to this work and in which copyright is claimed. ▼

Compilation of previously published text plus additional text

MANUFACTURERS AND LOCATIONS If this is a published work consisting preponderantly of nondramatic literary material in English, the law may require that the copies be manufactured in the United States or Canada for full protection. If so, the names of the manufacturers who performed certain processes, and the places where these processes were performed must be given. See instructions for details.

Names of Manufacturers ▼

Places of Manufacture ▼

Waverly Press, Inc.

Easton, MD

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a Copies and Phonorecords

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c Phonorecords Only

See instructions.

DEPOSIT ACCOUNT If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.

Name ▼

Account Number ▼

CORRESPONDENCE Give name and address to which correspondence about this application should be sent. Name/Address/Apt/City/State/Zip ▼

Robert L. Meltzer, ASTM

1916 Race Street

Philadelphia, PA 19103

Area Code & Telephone Number ▶ 215-299-5431

CERTIFICATION I, the undersigned, hereby certify that I am the

Check one ▶

author

other copyright claimant

owner of exclusive right(s)

Authorized agent of American Society for Testing & Materials

Name of author or other copyright claimant, or owner of exclusive right(s) ▶

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

Typed or printed name and date ▼ If this is a published work, this date must be the same as or later than the date of publication given in space 3.

Robert L. Meltzer

date ▶ 8/25/83

Handwritten signature (X) ▼

Robert L. Meltzer

MAIL CERTIFICATE TO

Certificate will be mailed in window envelope

Name ▼	American Society for Testing and Materials (8401)
Number/Street/Apartment Number ▼	1916 Race Street
City/State/ZIP ▼	Philadelphia, PA 19103

- Have you:
- Completed all necessary spaces?
 - Signed your application in space 10?
 - Enclosed check or money order for \$10 payable to Register of Copyrights?
 - Enclosed your deposit material with the application and fee?

MAIL TO: Register of Copyrights, Library of Congress, Washington, D.C. 20559.

* 17 U.S.C. § 508(e): Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 409, or in any written statement filed in connection with the application, shall be fined not more than \$2,500.

* U.S. GOVERNMENT PRINTING OFFICE: 1982: 361-278/52

July 1982-200,000

ASTM000002

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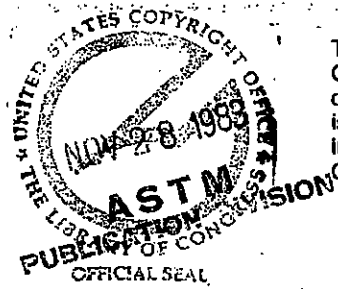
9

10

11

CERTIFICATE OF COPYRIGHT REGISTRATION

FORM SE
 UNITED STATES COPYRIGHT OFFICE
 REGISTRATION NUMBER



This certificate, issued under the seal of the Copyright Office in accordance with the provisions of section 410(a) of title 17, United States Code, attests that copyright registration has been made for the work identified below. The information in this certificate has been made a part of the Copyright Office records.

John Reed

REGISTER OF COPYRIGHTS
 United States of America

TX 1-210-036

EFFECTIVE DATE OF REGISTRATION

10 20 83
 Month Day Year

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

1 TITLE OF THIS SERIAL ▼ 1983 Annual Book of ASTM Standards Section 12, Volume 12.02
 Nuclear (II), Solar, and Geothermal Energy

Volume ▼ Number ▼ Date on Copies ▼ Frequency of Publication ▼

PREVIOUS OR ALTERNATIVE TITLES ▼

2 **a** NAME OF AUTHOR ▼ American Society for Testing and Materials DATES OF BIRTH AND DEATH
 Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"? Yes No
 AUTHOR'S NATIONALITY OR DOMICILE Name of Country U.S.A.
 OR Citizen of ► Domiciled in ►
 WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK Anonymously? Yes No Pseudonymously? Yes No

NATURE OF AUTHORSHIP Briefly describe nature of the material created by this author in which copyright is claimed. ▼
 Collective Work Other: Entire Text

b NAME OF AUTHOR ▼ DATES OF BIRTH AND DEATH
 Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"? Yes No
 AUTHOR'S NATIONALITY OR DOMICILE Name of Country
 OR Citizen of ► Domiciled in ►
 WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK Anonymously? Yes No Pseudonymously? Yes No

NATURE OF AUTHORSHIP Briefly describe nature of the material created by this author in which copyright is claimed. ▼
 Collective Work Other:

c NAME OF AUTHOR ▼ DATES OF BIRTH AND DEATH
 Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"? Yes No
 AUTHOR'S NATIONALITY OR DOMICILE Name of Country
 OR Citizen of ► Domiciled in ►
 WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK Anonymously? Yes No Pseudonymously? Yes No

NATURE OF AUTHORSHIP Briefly describe nature of the material created by this author in which copyright is claimed. ▼
 Collective Work Other:

3 YEAR IN WHICH CREATION OF THIS ISSUE WAS COMPLETED 1983 This information must be given in all cases. DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR ISSUE
 Complete this information ONLY if this work has been published. Month ► September Day ► 25 Year ► 1983
 United States Nation

4 COPYRIGHT CLAIMANT(S) Name and address must be given even if the claimant is the same as the author given in space 2. ▼
 American Society for Testing and Materials
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 Philadelphia, Pa 19103

APPLICATION RECEIVED 20 OCT 1983
 ONE DEPOSIT RECEIVED
 TWO DEPOSITS RECEIVED 20 OCT 1983
 REMITTANCE NUMBER AND DATE
 17182 OCT 20 83

TRANSFER If the claimant(s) named here in space 4 are different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright. ▼

See instructions before completing this space.

ASTM000003

TX 1-210-036

EXAMINED BY

FORM SE

CHECKED BY

CORRESPONDENCE Yes

DEPOSIT ACCOUNT FUNDS USED*

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PREVIOUS REGISTRATION Has registration for this issue, or for an earlier version of this particular issue, already been made in the Copyright Office?

Yes No If your answer is "Yes," why is another registration being sought? (Check appropriate box) ▼

a. This is the first published version of an issue previously registered in unpublished form.

b. This is the first application submitted by this author as copyright claimant.

c. This is a changed version of this issue, as shown by space 6 on this application.

If your answer is "Yes," give: Previous Registration Number ▼ Year of Registration ▼

TX 932-027 and TX1-020-736 1982

DERIVATIVE WORK OR COMPILATION Complete both space 6a & 6b for a derivative work; complete only 6b for a compilation.

a. Preexisting Material Identify any preexisting work or works that this work is based on or incorporates. ▼

1982 Annual Book of ASTM Standards, Parts 41, 45

b. Material Added to This Work Give a brief, general statement of the material that has been added to this work and in which copyright is claimed. ▼

Compilation of previously published text plus additional text

MANUFACTURERS AND LOCATIONS If this is a published work consisting preponderantly of nondramatic literary material in English, the law may require that the copies be manufactured in the United States or Canada for full protection. If so, the names of the manufacturers who performed certain processes, and the places where these processes were performed must be given. See instructions for details.

Names of Manufacturers ▼

Places of Manufacture ▼

Waverly Press, Inc.

Easton, MD

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a Copies and Phonorecords

b Copies Only

c Phonorecords Only

See instructions.

DEPOSIT ACCOUNT If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account. Name ▼ Account Number ▼

CORRESPONDENCE Give name and address to which correspondence about this application should be sent. Name/Address/Apt/City/State/Zip ▼

Robert L. Meltzer, ASTM

1916 Race Street

Philadelphia, PA 19103

Area Code & Telephone Number ▶ 215-299-5431

CERTIFICATION* I, the undersigned, hereby certify that I am the

Check one ▶

author

other copyright claimant

owner of exclusive right(s)

authorized agent of Testing and Materials

Name of author or other copyright claimant, or owner of exclusive right(s) ▶

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

Typed or printed name and date ▼ If this is a published work, this date must be the same as or later than the date of publication given in space 3.

Robert L. Meltzer

date ▶ 10/10/83

Handwritten signature (X) ▼

Robert L. Meltzer

MAIL CERTIFICATE TO

Certificate will be mailed in window envelope

Name ▼	American Society for Testing and Materials (RLM)
Number/Street/Apartment Number ▼	1916 Race Street
City/State/ZIP ▼	Philadelphia, PA 19103

Have you:

- Completed all necessary spaces?
- Signed your application in space 10?
- Enclosed check or money order for \$10 payable to Register of Copyrights?
- Enclosed your deposit material with the application and fee?

MAIL TO: Register of Copyrights, Library of Congress, Washington, D.C. 20559.

* 17 U.S.C. § 506(e): Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 409, or in any written statement filed in connection with the application, shall be fined not more than \$2,500.

ASTM000004

CERTIFICATE OF COPYRIGHT REGISTRATION

FORM TX
UNITED STATES COPYRIGHT OFFICE



This certificate, issued under the seal of the Copyright Office in accordance with the provisions of section 410(a) of title 17, United States Code, attests that copyright registration has been made for the work identified below. The information in this certificate has been made a part of the Copyright Office records.

REGISTRATION NUMBER

TX 1 - 1-228-879

OFFICIAL SEAL
JAN 18 1984

David Reed

REGISTER OF COPYRIGHTS
United States of America

TX TXU
EFFECTIVE DATE OF REGISTRATION
7 18 83
Month Day Year

ASTM
PUBLICATION DIVISION

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

TITLE OF THIS WORK ▼ 1983 Annual Book of ASTM Standards Section 2 Volume 02.01
Nonferrous Metal Products Copper and Copper Alloys

PREVIOUS OR ALTERNATIVE TITLES ▼

PUBLICATION AS A CONTRIBUTION If this work was published as a contribution to a periodical, serial, or collection, give information about the collective work in which the contribution appeared. **Title of Collective Work** ▼

If published in a periodical or serial give: **Volume** ▼ **Number** ▼ **Issue Date** ▼ **On Pages** ▼

2 **NAME OF AUTHOR** ▼
a American Society for Testing and Materials

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"?
 Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country
OR { Citizen of ► U.S.A.
Domiciled in ►

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymous? Yes No
Pseudonymous? Yes No
If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of the material created by this author in which copyright is claimed. ▼
Entire Text

3 **NAME OF AUTHOR** ▼

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"?
 Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE
Name of country
OR { Citizen of ►
Domiciled in ►

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymous? Yes No
Pseudonymous? Yes No
If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of the material created by this author in which copyright is claimed. ▼

4 **NAME OF AUTHOR** ▼

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"?
 Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country
OR { Citizen of ►
Domiciled in ►

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymous? Yes No
Pseudonymous? Yes No
If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of the material created by this author in which copyright is claimed. ▼

3 **YEAR IN WHICH CREATION OF THIS WORK WAS COMPLETED** 1983
This information must be given in all cases.

DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR WORK
Complete this information ONLY if this work has been published.
Month ► May Day ► 25 Year ► 1983
United States
Nation

4 **COPYRIGHT CLAIMANT(S)** Name and address must be given even if the claimant is the same as the author given in space 2. ▼

American Society for Testing and Materials
1916 Race Street
Philadelphia, PA 19103

APPLICATION RECEIVED

18 JUL 1983

ONE DEPOSIT RECEIVED

TWO DEPOSITS RECEIVED

18 JUL 1983

REMITTANCE NUMBER AND DATE

270931 JUL 18 83

TRANSFER If the claimant(s) named here in space 4 are different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright. ▼

MORE ON BACK ► • Complete all applicable spaces (numbers 5-11) on the reverse side of this page.

ASTM000005

NOTE

Under the law, the "author" of a "work made for hire" is generally the employer, not the employee (see instructions). For any part of this work that was "made for hire" check "Yes" in the space provided, give the employer (or other person for whom the work was prepared) as "Author" of that part, and leave the space for dates of birth and death blank.

See instructions before completing this space.

EXAMINED BY BA/ [signature] FORM TX
 CHECKED BY [signature]
 CORRESPONDENCE Yes
 DEPOSIT ACCOUNT FUNDS USED

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COPYRIGHT
OFFICE
USE
ONLY

TX 1-228-879

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PREVIOUS REGISTRATION Has registration for this work, or for an earlier version of this work, already been made in the Copyright Office?
 Yes No If your answer is "Yes," why is another registration being sought? (Check appropriate box) ▼
 This is the first published edition of a work previously registered in unpublished form.
 This is the first application submitted by this author as copyright claimant.
 This is a changed version of the work, as shown by space 6 on this application.
 If your answer is "Yes," give: Previous Registration Number ▼ TX 932-025 Year of Registration ▼ 1982

5

DERIVATIVE WORK OR COMPILATION Complete both space 6a & 6b for a derivative work; complete only 6b for a compilation.
 a. Preexisting Material Identify any preexisting work or works that this work is based on or incorporates. ▼
 1982 Annual Book of ASTM Standards Part 6 Copper and Copper Alloys
 b. Material Added to This Work Give a brief, general statement of the material that has been added to this work and in which copyright is claimed. ▼
 Compilation of previously published text plus additional text.

See instructions before completing this space.

6

MANUFACTURERS AND LOCATIONS If this is a published work consisting preponderantly of nondramatic literary material in English, the law may require that the copies be manufactured in the United States or Canada for full protection. If so, the names of the manufacturers who performed certain processes, and the places where these processes were performed must be given. See instructions for details.
 Names of Manufacturers ▼ Waverly Press, Inc. Places of Manufacture ▼ Easton, MD

7

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 a Copies and Phonorecords b Copies Only c Phonorecords Only

See instructions.

8

DEPOSIT ACCOUNT If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.
 Name ▼ Account Number ▼

9

CORRESPONDENCE Give name and address to which correspondence about this application should be sent. Name/Address/Apt/City/State/Zip ▼
 Robert L. Meltzer, ASTM
 1916 Race Street
 Philadelphia, PA 19103
 Area Code & Telephone Number ▶ 215-299-5431

Be sure to give your daytime phone number.

CERTIFICATION I, the undersigned, hereby certify that I am the
 Check one ▶ author
 other copyright claimant
 owner of exclusive right(s) American Society for
 authorized agent of Testing and Materials
 of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.
 Name of author or other copyright claimant, or owner of exclusive right(s) ▲
 Typed or printed name and date ▼ If this is a published work, this date must be the same as or later than the date of publication given in space 3.
 Robert L. Meltzer date ▶ 6/29/83

10

Handwritten signature (X) ▼
 [Handwritten signature]

MAIL CERTIFICATE TO
 Name ▼ American Society for Testing and Materials (RLM)
 Number/Street/Apartment Number ▼ 1916 Race Street
 City/State/ZIP ▼ Philadelphia, PA 19103

- Have you:**
- Completed all necessary spaces?
 - Signed your application in space 10?
 - Enclosed check or money order for \$10 payable to Register of Copyrights?
 - Enclosed your deposit material with the application and fee?
- MAIL TO:** Register of Copyrights, Library of Congress, Washington, D.C. 20559.

11

* 17 U.S.C. § 506(e): Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 409, or in any written statement filed in connection with the application, shall be fined not more than \$2,500.

CERTIFICATE OF COPYRIGHT REGISTRATION

FORM SE
UNITED STATES COPYRIGHT OFFICE

REGISTRATION NUMBER



This certificate, issued under the seal of the Copyright Office in accordance with the provisions of section 410(a) of title 17, United States Code, attests that copyright registration has been made for the work identified below. The information in this certificate has been made a part of the Copyright Office records.

David Reed

REGISTER OF COPYRIGHTS
United States of America

TY 1-374-250

EFFECTIVE DATE OF REGISTRATION

Month 6 Day 25 Year 84

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

1 TITLE OF THIS SERIAL ▼ 1984 Annual Book of ASTM Standards Section 11 Volume 11.01
Water (I)

Volume ▼ Section 11 Number ▼ Volume 11.01 Date on Copies ▼ May Frequency of Publication ▼ Annual

PREVIOUS OR ALTERNATIVE TITLES ▼

2 a NAME OF AUTHOR ▼ American Society for Testing and Materials DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"? Yes No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country OR { Citizen of ▼ U.S.A. Domiciled in ▼ U.S.A.

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymous? Yes No Pseudonymous? Yes No

NATURE OF AUTHORSHIP Briefly describe nature of the material created by this author in which copyright is claimed. ▼
 Collective Work Other: Entire Text

NOTE

Under the law, the "author" of a "work made for hire" is generally the employer, not the employee (see instructions). For any part of this work that was "made for hire" check "Yes" in the space provided, give the employer (or other person for whom the work was prepared) as "Author" of that part, and leave the space for dates of birth and death blank.

b NAME OF AUTHOR ▼ DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"? Yes No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country OR { Citizen of ▼ Domiciled in ▼

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymous? Yes No Pseudonymous? Yes No

NATURE OF AUTHORSHIP Briefly describe nature of the material created by this author in which copyright is claimed. ▼
 Collective Work Other:

c NAME OF AUTHOR ▼ DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"? Yes No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country OR { Citizen of ▼ Domiciled in ▼

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymous? Yes No Pseudonymous? Yes No

NATURE OF AUTHORSHIP Briefly describe nature of the material created by this author in which copyright is claimed. ▼
 Collective Work Other:

3 YEAR IN WHICH CREATION OF THIS ISSUE WAS COMPLETED This information must be given in all cases. 1984 ◀ Year

DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR ISSUE
Complete this information ONLY if this work has been published. Month ▶ May Day ▶ 20 Year ▶ 1984
United States ◀ Nation

4 COPYRIGHT CLAIMANT(S) Name and address must be given even if the claimant is the same as the author given in space 2. ▼
American Society for Testing and Materials
1916 Race Street
Philadelphia, PA 19103

APPLICATION RECEIVED
25 JUN 1984

ONE DEPOSIT RECEIVED

TWO DEPOSITS RECEIVED
25 JUN 1984

REMITTANCE NUMBER AND DATE:
244862 JUN 25 84

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MORE ON BACK ▶ • Complete all applicable spaces (numbers 5-11) on the reverse side of this page.
• See detailed instructions. • Sign the form at line 10.

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Page 1 of 2 pages.

ASTM000007

TX 1-374-250

EXAMINED BY

WFB

FORM SE

CHECKED BY

CORRESPONDENCE

Yes

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COPYRIGHT
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PREVIOUS REGISTRATION Has registration for this issue, or for an earlier version of this particular issue, already been made in the Copyright Office?

Yes No If your answer is "Yes," why is another registration being sought? (Check appropriate box) ▼

a. This is the first published version of an issue previously registered in unpublished form.

b. This is the first application submitted by this author as copyright claimant.

c. This is a changed version of this issue, as shown by space 6 on this application.

If your answer is "Yes," give: Previous Registration Number ▼

Year of Registration ▼

TX 1-280-946

1983

5

DERIVATIVE WORK OR COMPILATION Complete both space 6a & 6b for a derivative work; complete only 6b for a compilation.

a. Preexisting Material Identify any preexisting work or works that this work is based on or incorporates. ▼

1983 Annual Book of ASTM Standards Section 11 Volume 11.01 Water (I)

b. Material Added to This Work Give a brief, general statement of the material that has been added to this work and in which copyright is claimed. ▼

Compilation of previously published text plus additional text

See instructions
before completing
this space.

6

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Names of Manufacturers ▼

Places of Manufacture ▼

Waverly Press, Inc.

Easton, MD

7

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Copies and Phonorecords

b Copies Only

c Phonorecords Only

See instructions.

8

DEPOSIT ACCOUNT If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account. Name ▼ Account Number ▼

CORRESPONDENCE Give name and address to which correspondence about this application should be sent. Name/Address/Apt/City/State/Zip ▼

Robert L. Meltzer, ASTM

1916 Race Street

Philadelphia, PA 19103

Area Code & Telephone Number ▶ 215-299-5431

Be sure to
give your
daytime phone
number.

9

CERTIFICATION* I, the undersigned, hereby certify that I am the

Check one ▶

author

other copyright claimant

owner of exclusive right(s)

authorized agent of American Society for

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

Name of author or other copyright claimant, or owner of exclusive right(s) ▲

Typed or printed name and date ▼ If this is a published work, this date must be the same as or later than the date of publication given in space 3.

Robert L. Meltzer

date ▶ 6/15/84

Handwritten signature (X) ▼

Robert L. Meltzer

10

MAIL
CERTIFI-
CATE TO

Name ▼	American Society for Testing and Materials
Number/Street/Apartment Number ▼	1916 Race Street
City/State/ZIP ▼	Philadelphia, PA 19103

Certificate will be mailed in window envelope

Have you:

- Completed all necessary spaces?
- Signed your application in space 10?
- Enclosed check or money order for \$10 payable to Register of Copyrights?
- Enclosed your deposit material with the application and fee?

MAIL TO: Register of Copyrights, Library of Congress, Washington, D.C. 20559.

11

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CERTIFICATE OF COPYRIGHT REGISTRATION



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TX 1 689 871

EFFECTIVE DATE OF REGISTRATION

OCT 21 1985

Month Day Year

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1 TITLE OF THIS SERIAL ▼ **1985 Annual Book of ASTM Standards Section 2 Volume 02.02 Nonferrous Metals Products Die-Cast Metals; Aluminum and Magnesium Alloys**

Volume ▼ **2.02** Number ▼ **2** Date on Copies ▼ **July** Frequency of Publication ▼ **Annual**

PREVIOUS OR ALTERNATIVE TITLES ▼

2 NAME OF AUTHOR ▼ **American Society for Testing and Materials**

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"?
 Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country
OR { Citizen of ► **United States**
Domiciled in ►

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymous? Yes No
Pseudonymous? Yes No
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NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

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OR { Citizen of ►
Domiciled in ►

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OR { Citizen of ►
Domiciled in ►

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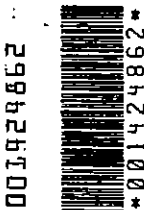
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NOTE
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6

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Robert L. Meltzer, ASTM

1916 Race Street

Philadelphia, PA 19103

Area Code & Telephone Number ▶

215-299-5431

Be sure to
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CERTIFICATION* I, the undersigned, hereby certify that I am the

Check one ▶

author

other copyright claimant

owner of exclusive right(s) American Society for

authorized agent of Testing and Materials

Name of author or other copyright claimant, or owner of exclusive right(s) ▶

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

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Robert L. Meltzer

date ▶

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TITLE OF THIS SERIAL ▼

1986 Annual Book of ASTM Standards Section 1, Volume 01.01
Iron and Steel Products; Steel-Piping, Tubing, Fittings

Volume ▼	Number ▼	Date on Copies ▼	Frequency of Publication ▼
01.01	1	January 1986	Annual

PREVIOUS OR ALTERNATIVE TITLES ▼

NAME OF AUTHOR ▼

2 American Society for Testing and Materials

Was this contribution to the work a "work made for hire"?
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OR { Citizen of _____
Domiciled in ► U.S.A.

DATES OF BIRTH AND DEATH ▼

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NATURE OF AUTHORSHIP Briefly describe nature of the material created by this author in which copyright is claimed. ▼

Collective Work Other: Entire Text

NAME OF AUTHOR ▼

Was this contribution to the work a "work made for hire"?
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 No

AUTHOR'S NATIONALITY OR DOMICILE
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OR { Citizen of _____
Domiciled in ► _____

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1916 Race Street
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Area Code & Telephone Number ▼ 215-299-5431

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CERTIFICATION I, the undersigned, hereby certify that I am the

Check one ▶ author
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Robert L. Meltzer date ▶ 1/31/86

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EFFECTIVE DATE OF REGISTRATION

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TITLE OF THIS SERIAL

1 1987 Annual Book of ASTM Standards, Nonferrous Metal Products; Copper and Copper Alloys

Volume 02.01 Number 02 Date on Copies June 1987 Frequency of Publication Annual

PREVIOUS OR ALTERNATIVE TITLES

2

a NAME OF AUTHOR American Society for Testing and Materials

DATES OF BIRTH AND DEATH Year Born Year Died

Was this contribution to the work a "work made for hire"?
 Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE Name of Country
OR Citizen of United States
Domiciled in United States

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymous? Yes No
Pseudonymous? Yes No
If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of the material created by this author in which copyright is claimed.

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 1916 Race Street
 Philadelphia, PA 19103
 Area Code & Telephone Number ▶ 215-299-5431

Be sure to give your daytime phone number

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- Check one ▶ author
 other copyright claimant
 owner of exclusive right(s)
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 Name of author or other copyright claimant, or owner of exclusive right(s) ▲

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

Typed or printed name and date ▼ If this is a published work, this date must be the same as or later than the date of publication given in space 3.

Robert L. Meltzer date ▶ 6/25/87

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Handwritten signature (X) ▼

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TITLE OF THIS SERIAL

1987 Annual Book of ASTM Standards, Thermal Insulation: Environmental Acoustics

Volume 04.06 Number 04 Date on Copies October 1987 Frequency of Publication Annual

PREVIOUS OR ALTERNATIVE TITLES

2 a NAME OF AUTHOR

American Society for Testing and Materials

DATES OF BIRTH AND DEATH

Year Born Year Died

Was this contribution to the work a "work made for hire"?
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 No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country

OR { Citizen of United States
Domiciled in

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous? Yes No
Pseudonymous? Yes No

If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP

Briefly describe nature of the material created by this author in which copyright is claimed. Entire Text

Collective Work Other

NAME OF AUTHOR

DATES OF BIRTH AND DEATH

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YEAR IN WHICH CREATION OF THIS ISSUE WAS COMPLETED
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DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR ISSUE

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Nation

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Page 1 of 2 pages

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Yes No If your answer is "Yes," why is another registration being sought? (Check appropriate box) ▼

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1986 Annual Book of ASTM Standards Section 04 Volume 04.06

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1916 Race Street

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Robert L. Meltzer

12/02/87

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Robert L. Meltzer

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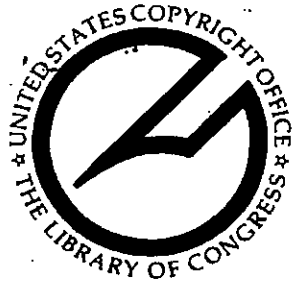
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Volume 04.07

Number 04

Date on Copies November 1987

Frequency of Publication Annual

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2

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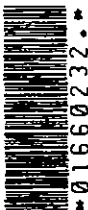
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1916 Race Street

Philadelphia, PA 19103

Area Code & Telephone Number ▶

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other copyright claimant

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of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

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Robert L. Meltzer

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08.04	08	January 1988	Annual

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2

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Philadelphia, PA 19103

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R. L. Meltzer, ASTM
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Area Code & Telephone Number ▼ 215-299-5431

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07.01	07	October 1988	Annual

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 No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country
OR { Citizen of United States
Domiciled in United States

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymous? Yes No
Pseudonymous? Yes No
If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of the material created by this author in which copyright is claimed.
 Collective Work Other: Entire Text

NAME OF AUTHOR

DATES OF BIRTH AND DEATH
Year Born Year Died

Was this contribution to the work a "work made for hire"?
 Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country
OR { Citizen of
Domiciled in

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymous? Yes No
Pseudonymous? Yes No
If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of the material created by this author in which copyright is claimed.
 Collective Work Other:

NAME OF AUTHOR

DATES OF BIRTH AND DEATH
Year Born Year Died

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 No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country
OR { Citizen of
Domiciled in

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Anonymous? Yes No
Pseudonymous? Yes No
If the answer to either of these questions is "Yes," see detailed instructions.

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1988 Year

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American Society for Testing and Materials
1916 Race Street
Philadelphia, PA 19103

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REMITTANCE NUMBER AND DATE

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TX 2-469-775

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Yes No If your answer is "Yes," why is another registration being sought? (Check appropriate box) ▼

- a. This is the first published version of an issue previously registered in unpublished form.
- b. This is the first application submitted by this author as copyright claimant.
- c. This is a changed version of this issue, as shown by space 6 on this application.

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TX 2-209-876

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1987

5

DERIVATIVE WORK OR COMPILATION Complete both space 6a & 6b for a derivative work; complete only 6b for a compilation.

a. Preexisting Material Identify any preexisting work or works that this work is based on or incorporates. ▼

1987 Annual Book of ASTM Standards Section 07 volume 07.01

6

b. Material Added to This Work Give a brief, general statement of the material that has been added to this work and in which copyright is claimed. ▼

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See instructions before completing this space.

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Names of Manufacturers ▼

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Places of Manufacture ▼

Easton, MD

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See instructions

DEPOSIT ACCOUNT If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.

Name ▼

Account Number ▼

8

9

CORRESPONDENCE Give name and address to which correspondence about this application should be sent. Name/Address/Apt/City/State/Zip ▼

R. L. Meltzer, ASTM

1916 Race Street

Philadelphia, PA 19103

Area Code & Telephone Number ▶

215-299-5431

Be sure to give your daytime phone number.

CERTIFICATION* I, the undersigned, hereby certify that I am the

Check one ▶

author

other copyright claimant

owner of exclusive right(s)

authorized agent of

American Society for Testing and Materials

Name of author or other copyright claimant, or owner of exclusive right(s) ▶

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

Typed or printed name and date ▼ If this is a published work, this date must be the same as or later than the date of publication given in space 3.

Robert L. Meltzer

12/8/88

date ▶

10

Handwritten signature (X) ▼

Name ▼

Kathe Scholl, ASTM

Number/Street/Apartment Number ▼

1916 Race Street

City/State/ZIP ▼

Philadelphia, PA 19103

Have you:

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- Signed your application in space 10?
- Enclosed check or money order for \$10 payable to Register of Copyrights?
- Enclosed your deposit material with the application and fee?

MAIL TO: Register of Copyrights, Library of Congress, Washington, D.C. 20559.

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REGISTRATION NUMBER

TX 2-794-050

EFFECTIVE DATE OF REGISTRATION

7 5 1990
Month Day Year

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1

TITLE OF THIS SERIAL *GENERAL METHODS AND INSTRUMENTATION*
1990 Annual Book of ASTM Standards: *GENERAL TEST METHODS, NON METAL; LABORATORY APPARATUS; STATISTICAL METHODS; APPEARANCE OF MATERIALS* →

Volume *14.02* **Number** *14* **Date on Copies** *JUNE 1990* **Frequency of Publication** *ANNUAL*

PREVIOUS OR ALTERNATIVE TITLES ▼

2

a **NAME OF AUTHOR** *American Society for Testing and Materials*

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"?
 Yes No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country: _____
OR { Citizen of ► _____
Domiciled in ► *United States*

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymous? Yes No
Pseudonymous? Yes No

NATURE OF AUTHORSHIP Briefly describe nature of the material created by this author in which copyright is claimed. ▼
 Collective Work Other: _____

b

NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"?
 Yes No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country: _____
OR { Citizen of ► _____
Domiciled in ► _____

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymous? Yes No
Pseudonymous? Yes No

NATURE OF AUTHORSHIP Briefly describe nature of the material created by this author in which copyright is claimed. ▼
 Collective Work Other: _____

c

NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"?
 Yes No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country: _____
OR { Citizen of ► _____
Domiciled in ► _____

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
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Pseudonymous? Yes No

NATURE OF AUTHORSHIP Briefly describe nature of the material created by this author in which copyright is claimed. ▼
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Page 1 of 1

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TX 2 608 348

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1989

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1988 Annual Book of ASTM Standards, Section 17 Volume 14.02

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R. L. Meltzer, ASTM

1916 Race Street

Philadelphia, PA 19103

Area Code & Telephone Number ▶

(215) 299-5431

CERTIFICATION* I, the undersigned, hereby certify that I am the

Check one ▶

author

other copyright claimant

owner of exclusive right(s) American Society

authorized agent of for Testing and Materials

Name of author or other copyright claimant, or owner of exclusive right(s) ▶

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

Typed or printed name and date ▼ If this is a published work, this date must be the same as or later than the date of publication given in space 3.

Robert L. Meltzer

date ▶ 6-27-90

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Name ▼

Kathleen M. Hooper

Number/Street/Apartment Number ▼

ASTM, 1916 Race Street

City/State/ZIP ▼

Philadelphia, PA 19103

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5

6

See instructions before completing this space.

7

8

See instructions.

9

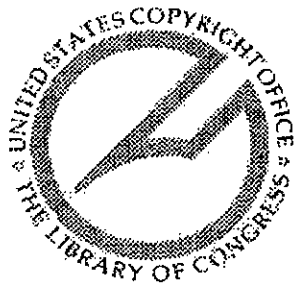
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EFFECTIVE DATE OF REGISTRATION

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Month Day Year

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1

TITLE OF THIS SERIAL

1991 Annual Book of ASTM Standards: IRON and STEEL PRODUCTS:
STEEL - PIPING, TUBING, FITTINGS

Volume

01-01

Number

01

Date on Copies

JANUARY

Frequency of Publication

ANNUAL

PREVIOUS OR ALTERNATIVE TITLES

2

NAME OF AUTHOR

American Society for Testing and Materials

DATES OF BIRTH AND DEATH

Year Born Year Died

Was this contribution to the work a "work made for hire"?

Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE

Name of Country

OR Citizen of
Domiciled in United States

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous? Yes No
Pseudonymous? Yes No

If the answer to either of these questions is "Yes" see detailed instructions

NATURE OF AUTHORSHIP

Briefly describe nature of the material created by this author in which copyright is claimed.

Collective Work Other: Entire Text

DATES OF BIRTH AND DEATH

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YEAR IN WHICH CREATION OF THIS ISSUE WAS COMPLETED

1991

Year

DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR ISSUE

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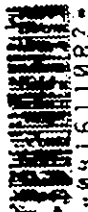
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041611082



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TX 3 043-643

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a. **Preexisting Material** Identify any preexisting work or works that this work is based on or incorporates. ▼
1990 Annual Book of ASTM Standards, Section 01, Volume 01-01

b. **Material Added to This Work** Give a brief, general statement of the material that has been added to this work and in which copyright is claimed. ▼
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Robert L. Meltzer, ASTM
1916 Race Street
Philadelphia, PA 19103-1187
Area Code & Telephone Number ▶ 215-299-5431

CERTIFICATION* I, the undersigned, hereby certify that I am the
Check one ▶ author
 other copyright claimant
 owner of exclusive right(s)
 authorized agent of **American Society for Testing and Materials**
Name of superior or other copyright claimant, or owner of exclusive right(s) ▼

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.
Typed or printed name and date ▼ If this application gives a date of publication in space 3, do not sign and submit it before that date.
Robert L. Meltzer Date ▶ 3/21/91

Handwritten signature (X) ▼
Robert L. Meltzer

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CATE TO

Certificate
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window
envelope

Name ▼	Kathe Hooper, ASTM
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Register of Copyrights
Library of Congress
Washington, D.C. 20540

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CERTIFICATE OF COPYRIGHT REGISTRATION

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UNITED STATES COPYRIGHT OFFICE



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REGISTER OF COPYRIGHTS
United States of America

REGISTRATION NUMBER

TX **3 211 547**

EFFECTIVE DATE OF REGISTRATION

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TITLE OF THIS SERIAL ▼

1 1991 Annual Book of ASTM Standards: *ANALYTICAL ATOMIC SPECTROSCOPY; SURFACE ANALYSIS*

Volume ▼ Number ▼ Date on Copies ▼ Frequency of Publication ▼
03.06 03 OCTOBER 1991 ANNUAL

PREVIOUS OR ALTERNATIVE TITLES ▼

NAME OF AUTHOR ▼

2 a American Society for Testing and Materials

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"?
 Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country
OR Citizen of _____
Domiciled in ► United States

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymous? Yes No
Pseudonymous? Yes No
If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of the material created by this author in which copyright is claimed. ▼

Collective Work Other: Entire Text

NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"?
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AUTHOR'S NATIONALITY OR DOMICILE
Name of Country
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Domiciled in ► _____

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Collective Work Other: _____

NAME OF AUTHOR ▼

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Year Born ▼ Year Died ▼

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Collective Work Other: _____

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Month ► 10 Day ► 11 Year ► 91 Nation
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1916 Race Street
Philadelphia, PA 19103-1187

TRANSFER If the claimant(s) named here in space 4 are different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright. ▼

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 CHECKER BY *RS*
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- a. This is the first published version of an issue previously registered in unpublished form.
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If your answer is "Yes," give: Previous Registration Number ▼ Year of Registration ▼
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a. Preexisting Material Identify any preexisting work or works that this work is based on or incorporates. ▼
 1990 Annual Book of ASTM Standards, Section 03, Volume 03.06

6

b. Material Added to This Work Give a brief, general statement of the material that has been added to this work and in which copyright is claimed. ▼
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CORRESPONDENCE Give name and address to which correspondence about this application should be sent. Name/Address/Apt/City/State/Zip ▼

Robert L. Meltzer, ASTM
1916 Race Street
Philadelphia, PA 19103-1187
 Area Code & Telephone Number ▶ 215-299-5431

Be sure to give your daytime phone number.

CERTIFICATION* I, the undersigned, hereby certify that I am the

Check one ▶

- author
 other copyright claimant
 owner of exclusive right(s)
 authorized agent of American Society for Testing and Materials
 Name of author or other copyright claimant, or owner of exclusive right(s) ▲

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Typed or printed name and date ▼ If this application gives a date of publication in space 3, do not sign and submit it before that date.

Robert L. Meltzer date ▶ 10/16/91

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Robert Meltzer

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Name ▼ Kathe Hooper, ASTM
 Number/Street/Apartment Number ▼ 1916 Race Street
 City/State/ZIP ▼ Philadelphia, PA 19103-1187

- Complete all necessary spaces
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11

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TITLE OF THIS SERIAL ▼

1991 Annual Book of ASTM Standards: CONSTRUCTION; THERMAL INSULATION; ENVIRONMENTAL ACOUSTICS

Volume ▼

07.06

Number ▼

04

Date on Copies ▼

OCTOBER

Frequency of Publication ▼

ANNUAL

PREVIOUS OR ALTERNATIVE TITLES ▼

2 NAME OF AUTHOR ▼

a American Society for Testing and Materials

DATES OF BIRTH AND DEATH

Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"?

Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE

OR { Citizen of ▼ United States
Domiciled in ▼

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous? Yes No
Pseudonymous? Yes No

NATURE OF AUTHORSHIP

Collective Work Other: Entire Text

Briefly describe nature of the material created by this author in which copyright is claimed. ▼

NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH

Year Born ▼ Year Died ▼

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 No

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OR { Citizen of ▼
Domiciled in ▼

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OR { Citizen of ▼
Domiciled in ▼

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous? Yes No
Pseudonymous? Yes No

NATURE OF AUTHORSHIP

Collective Work Other:

Briefly describe nature of the material created by this author in which copyright is claimed. ▼

YEAR IN WHICH CREATION OF THIS ISSUE WAS COMPLETED

1991 4 Year

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American Society for Testing & Materials
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Page 1 of 2 pages

NOTE

Under the law, the "author" of a "work made for hire" is generally the employer, not the employee (see instructions). For any part of this work that was "made for hire" check "Yes" in the space provided.



046519553

4

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ASTM000031

* Amended by C.O. Authority of telephone call on April 6, 1992 with Kathy Hooper of the American Society for Testing and Materials.

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DERIVATIVE WORK OR COMPILATION Complete both space 6a & 6b for a derivative work; complete only 6b for a compilation.

a. Preexisting Material Identify any preexisting work or works that this work is based on or incorporates.
1990 Annual Book of ASTM Standards, Section 04, Volume 04.07.

b. Material Added to This Work Give a brief, general statement of the material that has been added to this work and in which copyright is claimed.
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1916 Race Street
Philadelphia, PA 19103-1187
Area Code & Telephone Number 215-299-5431

CERTIFICATION I, the undersigned, hereby certify that I am the
Check one:
author
other copyright claimant
owner of exclusive right(s)
authorized agent of American Society for Testing and Materials
Name of author or other copyright claimant, or owner of exclusive right(s)

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Robert L. Meltzer date 2/25/92

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Robert L. Meltzer

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Name: Kathe Hooper, ASTM
Number/Street-Apartment Number: 1916 Race Street
City, State/ZIP: Philadelphia, PA 19103-1187

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TITLE OF THIS SERIAL

1992 Annual Book of ASTM Standards: *IRON AND STEEL PRODUCTS:*
SHIPBUILDING

Volume Number Date on Copies Frequency of Publication

01.07 01 JANUARY 1992 ANNUAL

PREVIOUS OR ALTERNATIVE TITLES

2

NAME OF AUTHOR

American Society for Testing and Materials

DATES OF BIRTH AND DEATH

Year Born Year Died

Was this contribution to the work a "work made for hire"?
 Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country
OR Citizen of
Domiciled in

United States

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous? Yes No
Pseudonymous? Yes No

If the answer to either of these questions is "Yes," see detailed instructions

NATURE OF AUTHORSHIP

Briefly describe nature of the material created by this author in which copyright is claimed.

Collective Work Other: Entire Text

DATES OF BIRTH AND DEATH

Year Born Year Died

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 No

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OR Citizen of
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Domiciled in

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TX# 3 035 186

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1991 Annual Book of ASTM Standards, Section 01, Volume 01.07

b. Material Added to This Work Give a brief, general statement of the material that has been added to this work and in which copyright is claimed. ▼

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Account Number ▼

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Robert L. Meltzer, ASTM

1916 Race Street

Philadelphia, PA 19103-1187

Area Code & Telephone Number ▶ 215-299-5431

Be sure to give your daytime phone number

CERTIFICATION* I, the undersigned, hereby certify that I am the

Check one ▶

- author
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 - owner of exclusive right(s)
 - authorized agent of **American Society for Testing and Materials**
- Name of author or other copyright claimant, or owner of exclusive right(s) ▲

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

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Robert L. Meltzer

date ▶ 2/26/92

Handwritten signature (X) ▼

Robert L. Meltzer

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TX 3 460 670

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TITLE OF THIS SERIAL ▼

1992 Annual Book of ASTM Standards: General Test Methods, Nonmetal; Laboratory Apparatus; Statistical Methods; Appearance of Materials; Durability of Nonmetallic Materials

Volume ▼	Number ▼	Date on Copies ▼	Frequency of Publication ▼
14	02	June	Annual

PREVIOUS OR ALTERNATIVE TITLES ▼

2 a NAME OF AUTHOR ▼

American Society for Testing and Materials

DATES OF BIRTH AND DEATH

Year Born ▼ Year Died ▼

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Yes
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AUTHOR'S NATIONALITY OR DOMICILE

Name of Country

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WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous? Yes No
Pseudonymous? Yes No

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NATURE OF AUTHORSHIP

Briefly describe nature of the material created by this author in which copyright is claimed. ▼

Collective Work Other: **Entire Text**

NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH

Year Born ▼ Year Died ▼

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Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE

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OR { Citizen of ►
Domiciled in ►

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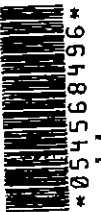
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NOTE

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1916 Race Street
Philadelphia, PA 19103-1187
 Area Code & Telephone Number ▶ **215-299-5431**

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Check one ▶ author
 other copyright claimant
 owner of exclusive right(s) **American Society**
 authorized agent of **for Testing and Materials**

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.
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Robert L. Meltzer date ▶ **December 29, 1992**

10

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Number/Street/Apartment Number ▼ **1916 Race Street**

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TITLE OF THIS SERIAL 1992 Annual Book of ASTM Standards: Electrical Insulation (I): D69 - D 2484

Volume 10 Number 01 Date on Copies June Frequency of Publication Annual

PREVIOUS OR ALTERNATIVE TITLES

2 NAME OF AUTHOR American Society for Testing and Materials

DATES OF BIRTH AND DEATH

Was this contribution to the work a "work made for hire"? Yes No

AUTHOR'S NATIONALITY OR DOMICILE Name of Country OR Citizen of Domiciled in United States

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK Anonymous? Pseudonymous?

NOTE Under the law, a "work made for hire" is the work of an author.

NATURE OF AUTHORSHIP Briefly describe nature of the material created by this author in which copyright is claimed. Entire Text

NAME OF AUTHOR

DATES OF BIRTH AND DEATH

Was this contribution to the work a "work made for hire"? Yes No

AUTHOR'S NATIONALITY OR DOMICILE Name of Country OR Citizen of Domiciled in

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DATES OF BIRTH AND DEATH

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AUTHOR'S NATIONALITY OR DOMICILE Name of Country OR Citizen of Domiciled in

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a. Preexisting Material Identify any preexisting work or works that this work is based on or incorporates. ▼

1991 Annual Book of ASTM Standards, Section 10, Volume 01.

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Robert L. Meltzer, ASTM

1916 Race Street

Philadelphia, PA 19103-1187

Area Code & Telephone Number ▶ 215 299-5431

CERTIFICATION* I, the undersigned, hereby certify that I am the

Check one ▶

- author
- other copyright claimant
- owner of exclusive right(s)

authorized agent of **American Society**

for Testing and Materials

Name of author or other copyright claimant or owner of exclusive rights ▶

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

Typed or printed name and date ▼ If this application gives a date of publication in space 3, do not sign and submit it before that date.

Robert L. Meltzer

date ▶ December 29, 1992

Handwritten signature (X) ▼

Robert L. Meltzer

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will be
mailed in
window
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1 TITLE OF THIS SERIAL
1993 Annual Book of ASTM Standards: NON FERROUS METAL PRODUCTS: COPPER AND COPPER ALLOYS

Volume **02.01** Number **02** Date on Copies **JUNE** Frequency of Publication **Annual**

PREVIOUS OR ALTERNATIVE TITLES

2 NAME OF AUTHOR
a American Society for Testing and Materials

DATES OF BIRTH AND DEATH
Year Born Year Died

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 Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country
OR Citizen of **United States**
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WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymous? Yes No
Pseudonymous? Yes No

NATURE OF AUTHORSHIP Briefly describe nature of the material created by this author in which copyright is claimed.

Collective Work Other: **Entire Text**

NAME OF AUTHOR

DATES OF BIRTH AND DEATH
Year Born Year Died

Was this contribution to the work a "work made for hire"?
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 No

AUTHOR'S NATIONALITY OR DOMICILE
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OR Citizen of
Domiciled in

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Pseudonymous? Yes No

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Name of Country
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TX# *3450 593*

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1916 Race Street

Philadelphia, PA 19103-1187

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- author
- other copyright claimant
- owner of exclusive right(s)

authorized agent of **American Society for Testing and Materials**
Name of author or other copyright claimant, or owner of exclusive right(s) ▲

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Robert L. Meltzer

date ▶

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U.S. GOVERNMENT PRINTING OFFICE: 1980-228-170-20/800

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TITLE OF THIS SERIAL ▼
 1993 Annual Book of ASTM Standards: Pesticides, Resources Recovery, Hazardous Substances and Oil Spill Responses, Waste Management, Biological Effects

Volume ▼ **Number** ▼ **Date on Copies** ▼ **Frequency of Publication** ▼
 11 04 August 1993 Annual

PREVIOUS OR ALTERNATIVE TITLES ▼

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 American Society for Testing and Materials

DATES OF BIRTH AND DEATH
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 No

AUTHOR'S NATIONALITY OR DOMICILE
 Name of Country
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 Pseudonymous? Yes No
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 Collective Work Other: Entire Text

NAME OF AUTHOR ▼ **DATES OF BIRTH AND DEATH**
 Year Born ▼ Year Died ▼

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Robert L. Meltzer, ASTM

1916 Race Street

Philadelphia, PA 19103-1187

Area Code & Telephone Number ▶ 215-299-5431

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author

other copyright claimant

owner of exclusive right(s)

authorized agent of **American Society for Testing and Materials**

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

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Robert L. Meltzer

date ▶ 8/11/93

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Robert L. Meltzer

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CATE TO

Name ▼

Kathe Hooper, ASTM

Number/Street/Apartment Number ▼

1916 Race Street

City/State/ZIP ▼

Philadelphia, PA 19103-1187

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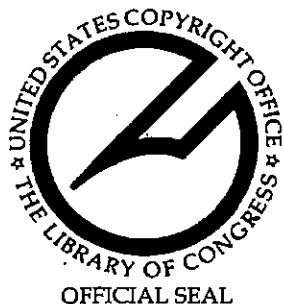
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REGISTRATION NUMBER

TX 3 883-920

EFFECTIVE DATE OF REGISTRATION
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Month Day Year

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1

TITLE OF THIS SERIAL ▼ *Nonferrous Metal Products*
 1994 Annual Book of ASTM Standards:
Copper + Copper alloys

Volume ▼ *02* Number ▼ *01* Date of Copies ▼ *June '94* Frequency of Publication ▼ **Annual**

PREVIOUS OR ALTERNATIVE TITLES ▼

2

a NAME OF AUTHOR ▼ **American Society for Testing and Materials**

DATES OF BIRTH AND DEATH
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NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH
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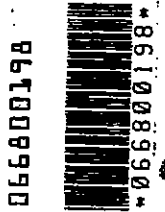
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Philadelphia, PA

19103-1187

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- Name of author or other copyright claimant, or owner of exclusive right(s) ▲

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

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Robert L. Meltzer

date August 18, 1994

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Robert L. Meltzer

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Name ▼ Kathe Hooper, ASTM

Number/Street/Apartment Number ▼ 1916 Race Street

City/State/ZIP ▼ Philadelphia, PA 19103-1187

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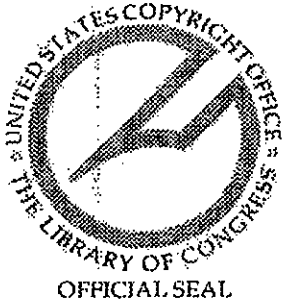
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TITLE OF THIS SERIAL

1994 Annual Book of ASTM Standards: Atmospheric Analysis, Occupational Health and Safety, Protective Clothing

Volume 11.03 Number 03 Date on Copies October Frequency of Publication Annual

PREVIOUS OR ALTERNATIVE TITLES

2 a NAME OF AUTHOR American Society for Testing and Materials

DATES OF BIRTH AND DEATH Year Born Year Died

Was this contribution to the work a "work made for hire"? Yes No

AUTHOR'S NATIONALITY OR DOMICILE Name of Country Citizen of Domiciled in United States

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NATURE OF AUTHORSHIP Briefly describe nature of the material created by this author in which copyright is claimed. Entire Text

NOTE Under the law, the "author" of a "work made for hire" is generally the employer.

NAME OF AUTHOR

DATES OF BIRTH AND DEATH Year Born Year Died

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AUTHOR'S NATIONALITY OR DOMICILE Name of Country Citizen of Domiciled in

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Robert L. Meltzer, ASTM

1916 Race Street

Philadelphia, PA

19103-1187

Area Code & Telephone Number ▶ *215-299-5431*

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number

CERTIFICATION* I, the undersigned, hereby certify that I am the

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author

other copyright claimant

owner of exclusive rights(s)

authorized agent of *American Society for Testing and Materials*

Name of author or other copyright claimant, or owner of exclusive right(s) ▶

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

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Robert L. Meltzer

date ▶

October 21, 1994

Handwritten signature (X) ▼

Robert L. Meltzer

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Kathe Hooper, ASTM

Number, Street, Apartment Number ▼

1916 Race Street

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Volume ▼ Number ▼ Date on Copies ▼ Frequency of Publication ▼
04 06 October Annual

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a NAME OF AUTHOR ▼ American Society for Testing and Materials

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Robert L. Meltzer, ASTM

1916 Race Street

Philadelphia, PA

9103-1187

Area Code & Telephone Number ▶ 215-299-5431

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Robert L. Meltzer

date ▶ January 23, 1995

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Robert L. Meltzer

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TITLE OF THIS SERIAL

1995 Annual Book of ASTM Standards: *Iron and Steel Products*

Steel - Piping, Tubing, Fittings

Volume 01 Number 01 Date on Copies Jan. 1995 Frequency of Publication Annual

PREVIOUS OR ALTERNATIVE TITLES

2 NAME OF AUTHOR

a American Society for Testing and Materials

DATES OF BIRTH AND DEATH
Year Born Year Died

Was this contribution to the work a "work made for hire"?
 Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country

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WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymous? Yes No
Pseudonymous? Yes No
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1994

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Philadelphia, PA 19103-1187

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Robert L. Meltzer

date August 24, 1995

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Robert L. Meltzer

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TITLE OF THIS SERIAL
1995 Annual Book of ASTM Standards; General Methods and Instrumentation
General Test Methods, Nonmetallic; Chromatography; Durability of Nonmetallic Materials; Forensic Sciences; Laboratory Apparatus, Methods

Volume Number Date on Copies Frequency of Publications

14 08 June 1995 Annual

PREVIOUS OR ALTERNATIVE TITLES

2

NAME OF AUTHOR
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DATES OF BIRTH AND DEATH
Year Born Year Died

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Name of Country: **United States**
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Philadelphia, PA 19103-1187

Area Code & Telephone Number ▶ 215-299-5431

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owner of exclusive right(s)

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Robert L. Meltzer

date ▶ March 13, 1996

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1
TITLE OF THIS SERIAL ▼
1996 Annual Book of ASTM Standards: *Nonferrous Metal Products*
Copper and Copper alloys
Volume ▼ Number ▼ Date on Copies ▼ Frequency of Publication ▼
02 01 May '96 Annual
PREVIOUS OR ALTERNATIVE TITLES ▼

2
NOTE
Under the law, the "author" of a "work made for hire" is generally the employer, not the em-
NAME OF AUTHOR ▼ **American Society for Testing and Materials**
DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼
Was this contribution to the work a "work made for hire"? Yes No
AUTHOR'S NATIONALITY OR DOMICILE
Name of Country OR Citizen of ▼ United States
Domiciled in ▼
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Pseudonymous? Yes No
NATURE OF AUTHORSHIP Briefly describe nature of the material created by this author in which copyright is claimed. ▼
 Collective Work Other: **Entire Text**
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Year Born ▼ Year Died ▼

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Name of Country OR Citizen of ▼
Domiciled in ▼
WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
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Philadelphia, PA 19103-1187

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- Name of author or other copyright claimant, or owner of exclusive right(s) ▲

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Robert L. Meltzer

date ▶ **May 8, 1996**

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Robert L. Meltzer

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Number Street Apartment Number ▼	1916 Race Street
City State ZIP ▼	Philadelphia, PA 19103-1187

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TITLE OF THIS SERIAL

1996 Annual Book of ASTM Standards: *Water and Environmental Technology - Water (II)*

Volume

Number

Date on Copies

Frequency of Publication

11

02

May '96

Annual

PREVIOUS OR ALTERNATIVE TITLES

2 NAME OF AUTHOR

American Society for Testing and Materials

DATES OF BIRTH AND DEATH
Year Born Year Died

Was this contribution to the work a "work made for hire"?

Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE

Name of Country
OR Citizen of
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WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous? Yes No
Pseudonymous? Yes No

NATURE OF AUTHORSHIP Briefly describe nature of the material created by this author in which copyright is claimed.

Collective Work Other: Entire Text

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DATES OF BIRTH AND DEATH
Year Born Year Died

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Domiciled in

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Robert L. Meltzer, ASTM

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Philadelphia, PA 19103-1187

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other copyright claimant

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of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

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Robert L. Meltzer

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1996 Annual Book of ASTM Standards: *Water and Environmental*

Technology - Water (1)

Volume 11 Number 01 Date on Copies April 1996 Frequency of Publication Annual

PREVIOUS OR ALTERNATIVE TITLES

NAME OF AUTHOR

American Society for Testing and Materials

DATES OF BIRTH AND DEATH

Was this contribution to the work a "work made for hire"?
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AUTHOR'S NATIONALITY OR DOMICILE
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NATURE OF AUTHORSHIP Briefly describe nature of the material created by this author in which copyright is claimed.

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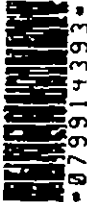
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Philadelphia, PA 19103-1187
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date April 26, 1995

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Volume 09 Number 01 Date on Copies July 1996 Frequency of Publication Annual

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DATES OF BIRTH AND DEATH Year Born Year Died

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Name ▼ American Society for Testing and Materials Account Number ▼ DA078338

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Robert L. Meltzer, ASTM
1916 Race Street
Philadelphia, PA 19103-1187
Area Code & Telephone Number ▼ 215-299-5431

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Robert L. Meltzer date ▼ August 1, 1996

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TITLE OF THIS SERIAL

1996 Annual Book of ASTM Standards: *Construction: Thermal Insulation; Environmental Acoustics*

Volume *04* Number *06* Date on Copies *October 1996* Frequency of Publication *Annual*

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American Society for Testing and Materials

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Year Born Year Died

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DATES OF BIRTH AND DEATH
Year Born Year Died

Was this contribution to the work a "work made for hire"?
 Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country
OR Citizen of
Domiciled in

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymous? Yes No
Pseudonymous? Yes No
If the answer to either of these questions is "Yes," see detailed instructions

NATURE OF AUTHORSHIP Briefly describe nature of the material created by this author in which copyright is claimed.

Collective Work Other:

NAME OF AUTHOR

DATES OF BIRTH AND DEATH
Year Born Year Died

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AUTHOR'S NATIONALITY OR DOMICILE
Name of Country
OR Citizen of
Domiciled in

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American Society for Testing & Materials
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West Conshohocken, PA 19428-2959

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NOTE



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TH# *4-184-242*

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a. Preexisting Material Identify any preexisting work or works that this work is based on or incorporates. ▼
1996 Annual Book of ASTM Standards, Section 04, Volume 6.

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b. Material Added to This Work Give a brief, general statement of the material that has been added to this work and in which copyright is claimed. ▼
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Name ▼ American Society for Testing and Materials Account Number ▼ DR078328

9

CORRESPONDENCE Give name and address to which correspondence about this application should be sent. Name Address Apt City State Zip ▼

Robert L. Meltzer, ASTM
100 Barr Harbor Drive
West Conshohocken, PA 19428-2959

Area Code & Telephone Number ▶ 610-832-9632

Be sure to
give your
daytime phone
number

CERTIFICATION* I, the undersigned, hereby certify that I am the

Check one ▶

- author
 - other copyright claimant
 - owner of exclusive right(s) American Society for Testing and Materials
 - authorized agent of American Society for Testing and Materials
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of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

Typed or printed name and date ▼ If this application gives a date of publication in space 3, do not sign and submit it before that date.

Robert L. Meltzer

date ▶ December 3, 1996

Handwritten signature (X) ▼

Robert L. Meltzer

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CATE TO

Name ▼	Judy Helm, ASTM
Number Street Apartment Number ▼	100 Barr Harbor Drive
City State ZIP ▼	West Conshohocken, PA 19428-2959

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* 17 U.S.C. § 506(b). Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 409 or in any written statement filed in connection with the application, shall be fined not more than \$2,500.

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1996 Annual Book of ASTM Standards: *Textiles*
Textiles (11): D3333-latest

Volume ▼ Number ▼ Date on Copies ▼ Frequency of Publication ▼
07 02 November 1996 Annual

PREVIOUS OR ALTERNATIVE TITLES ▼

2 NAME OF AUTHOR ▼

American Society for Testing and Materials

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"?
 Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country
OR Citizen of _____
Domiciled in *United States*

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymous? Yes No
Pseudonymous? Yes No
If the answer to either of these questions is "Yes," see detailed instructions

NATURE OF AUTHORSHIP Briefly describe nature of the material created by this author in which copyright is claimed. ▼

Collective Work Other: *Entire Text*

NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"?
 Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country
OR Citizen of _____
Domiciled in _____

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Anonymous? Yes No
Pseudonymous? Yes No
If the answer to either of these questions is "Yes," see detailed instructions

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NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

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 Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE
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OR Citizen of _____
Domiciled in _____

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Pseudonymous? Yes No
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1996 Annual Book of ASTM Standards, Section 07, Volume 03.

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Name ▼ American Society for Testing and Materials Account Number ▼ # DA078328

8

CORRESPONDENCE Give name and address to which correspondence about this application should be sent. Name, Address, Apt, City, State, Zip ▼

Robert L. Meltzer, ASTM
100 Barr Harbor Drive
West Conshohocken, PA 19428-2959

Area Code & Telephone Number ▼ 610-832-9632

Be sure to give your daytime phone number

CERTIFICATION I, the undersigned, hereby certify that I am the

Check one ▶

- author
 other copyright claimant
 owner of exclusive right(s)
 authorized agent of

American Society for Testing and Materials

Name of author or other copyright claimant, or owner of exclusive right(s) ▼

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

Typed or printed name and date ▼ If this application gives a date of publication in space 3, do not sign and submit it before that date.

Robert L. Meltzer

date December 3, 1996

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Handwritten signature (X) ▼

Robert L. Meltzer

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Name ▼	<u>Judy Helm, ASTM</u>
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1997 Annual Book of ASTM Standards: Non Ferrous Metal Products;
ALUMINUM AND MAGNESIUM

Volume ▼	Number ▼	Date on Copies ▼	Frequency of Publication ▼
02-02	02	SEPTEMBER	Annual

PREVIOUS OR ALTERNATIVE TITLES ▼

2 NAME OF AUTHOR ▼

a American Society for Testing and Materials

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"?
 Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country
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Domiciled in ► United States

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymous? Yes No
Pseudonymous? Yes No

NATURE OF AUTHORSHIP Briefly describe nature of the material created by this author in which copyright is claimed. ▼

Collective Work Other: **Entire Text**

b NAME OF AUTHOR ▼

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Year Born ▼ Year Died ▼

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1997 Year

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NOTE
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If your answer is "Yes," give: Previous Registration Number ▼

Year of Registration ▼

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b. **Material Added to This Work** Give a brief, general statement of the material that has been added to this work and in which copyright is claimed. ▼
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Robert L. Meltzer, ASTM

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West Conshohocken, PA 19428-2959

Area Code & Telephone Number ▼ 610-832-9632

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daytime phone
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CERTIFICATION I, the undersigned, hereby certify that I am the

Check one ▶

- author
- other copyright claimant
- owner of exclusive right(s)

authorized agent of

American Society
for Testing and Materials

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

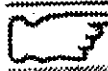
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Robert L. Meltzer

date ▶

8/28/97



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Name ▼

Kathe Hooper, ASTM

Number Street Apartment Number ▼

100 Barr Harbor Drive

City State Zip ▼

West Conshohocken, PA 19428-2959

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2. Nonrefundable \$20 fee

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*Nonferrous Metal Products
Copper and Copper Alloys*

Volume ▼

Number ▼

Date on Copies ▼

Frequency of Publication ▼

02

01

May '97

Annual

PREVIOUS OR ALTERNATIVE TITLES ▼

2

NAME OF AUTHOR ▼

American Society for Testing and Materials

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"?

Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country

OR { Citizen of _____
Domiciled in ► United States

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous? Yes No
Pseudonymous? Yes No

If the answer to either of these questions is "Yes," see detailed instructions

NATURE OF AUTHORSHIP

Briefly describe nature of the material created by this author in which copyright is claimed. ▼

Collective Work Other: Entire Text

NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"?

Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country

OR { Citizen of _____
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YEAR IN WHICH CREATION OF THIS ISSUE WAS COMPLETED

1997

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MORE ON BACK ►

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Page 1 of 2 pages

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1996

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a. **Preexisting Material.** Identify any preexisting work or works that this work is based on or incorporates. ▼

1997 Annual Book of ASTM Standards, Section 02, Volume 01.

6

b. **Material Added to This Work** Give a brief, general statement of the material that has been added to this work and in which copyright is claimed. ▼
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Name ▼ American Society for Testing and Materials

Account Number ▼ # DA078328

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CORRESPONDENCE Give name and address to which correspondence about this application should be sent. Name, Address, Apt. City, State, Zip ▼

Robert L. Meltzer, ASTM
100 Barr Harbor Drive
West Conshohocken, PA 19428-2959

Area Code & Telephone Number ▶ 610-832-9632

Be sure to give your daytime phone number.

CERTIFICATION I, the undersigned, hereby certify that I am the

Check one ▶

- author
- other copyright claimant
- owner of exclusive right(s)
- authorized agent of **American Society for Testing and Materials**

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

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Robert L. Meltzer

date June 19, 1997

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Robert L. Meltzer

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Number Street Apartment Number ▼	100 Barr Harbor Drive
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Volume ▼

Number ▼

Date on Copies ▼

Frequency of Publication ▼

PH 07

04

NOVEMBER 1997

Annual

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2 NAME OF AUTHOR ▼

American Society for Testing and Materials

DATES OF BIRTH AND DEATH

Year Born ▼ Year Died ▼

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 No

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Domiciled in ▼ United States

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DATES OF BIRTH AND DEATH

Year Born ▼ Year Died ▼

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Domiciled in ▼

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NOTE
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1997 Annual Book of ASTM Standards, Section , Volume

b. Material Added to This Work Give a brief, general statement of the material that has been added to this work and in which copyright is claimed ▼
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this space

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CORRESPONDENCE Give name and address to which correspondence about this application should be sent. Name Address Apt City State Zip ▼

Robert L. Meltzer, ASTM

100 Barr Harbor Drive

West Conshohocken, PA 19428-2959

Area Code & Telephone Number ▼ 610-832-9632

Be sure to
give your
daytime phone
number

CERTIFICATION* I, the undersigned, hereby certify that I am the

Check one ▶

- author
- other copyright claimant
- owner of exclusive right(s)

authorized agent of

American Society
for Testing and Materials

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

Name of author or other copyright claimant or owner of exclusive right(s) ▲

Typed or printed name and date ▼ If this application gives a date of publication in space 3, do not sign and submit it before that date.

Robert L. Meltzer

date ▶

11/1/92

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MAIL
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CATE TO

Certificate
will be
mailed in
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envelope

Name ▼	Kathe Hooper, ASTM
Number Street Apartment Number ▼	100 Barr Harbor Drive
City State ZIP ▼	West Conshohocken, PA 19428-2959

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Volume ▼ 04.06 Number ▼ 04 Date on Copies ▼ NOVEMBER 1997 Frequency of Publication ▼ Annual

PREVIOUS OR ALTERNATIVE TITLES ▼

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Pseudonymous? Yes No
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1997 Annual Book of ASTM Standards, Section 04, Volume 04.06

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Robert L. Meltzer, ASTM
100 Barr Harbor Drive
West Conshohocken, PA 19428-2959

Area Code & Telephone Number ▶ 610-832-9632

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CERTIFICATION* I, the undersigned, hereby certify that I am the

Check one ▶

- author
- other copyright claimant
- owner of exclusive right(s)

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

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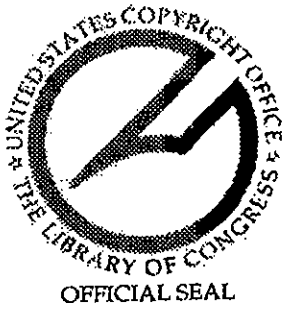
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Volume ▼ *05.02* Number ▼ *05* Date on Copies ▼ *MARCH 1998* Frequency of Publication ▼ *Annual*

PREVIOUS OR ALTERNATIVE TITLES ▼

2

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Pseudonymous? Yes No
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 100 Barr Harbor Drive
 West Conshohocken, PA 19428-2959
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- Check one ▶
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 - other copyright claimant
 - owner of exclusive right(s)
 - authorized agent of

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

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Typed or printed name and date ▼ If this application gives a date of publication in space 3, do not sign and submit it before that date.

Robert L. Meltzer

date ▶ 2/13/98

Handwritten Signature (X) Robert L. Meltzer

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Name ▼ **Kathe Hooper, ASTM**

Number/Street/Apartment Number ▼ **100 Barr Harbor Drive**

City/State/ZIP ▼ **West Conshohocken, PA 19428-2959**

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Fuels: PETROLEUM PRODUCTS AND LUBRICANTS (1): D56-D2596

Volume ▼ *05.01* Number ▼ *05* Date on Copies ▼ *FEBRUARY 1998* Frequency of Publication ▼ *Annual*

PREVIOUS OR ALTERNATIVE TITLES ▼

2

NAME OF AUTHOR ▼
 American Society for Testing and Materials

DATES OF BIRTH AND DEATH
 Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"?
 Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE
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WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
 Anonymous? Yes No
 Pseudonymous? Yes No
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NATURE OF AUTHORSHIP Briefly describe nature of the material created by this author in which copyright is claimed. ▼
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PREVIOUS REGISTRATION Has registration for this issue, or for an earlier version of this particular issue, already been made in the Copyright Office?

Yes No If your answer is "Yes," why is another registration being sought? (Check appropriate box) ▼

5

- a. This is the first published version of an issue previously registered in unpublished form.
- b. This is the first application submitted by this author as copyright claimant.
- c. This is a changed version of this issue, as shown by space 6 on this application.

If your answer is "Yes," give: Previous Registration Number ▼

Year of Registration ▼

1997

DERIVATIVE WORK OR COMPILATION Complete both space 6a & 6b for a derivative work; complete only 6b for a compilation.

a. Preexisting Material Identify any preexisting work or works that this work is based on or incorporates. ▼
1997 Annual Book of ASTM Standards, Section 25, Volume 05.01

6

b. Material Added to This Work Give a brief, general statement of the material that has been added to this work and in which copyright is claimed. ▼
Completion of previous published text plus additional text.

See instructions
before completing
this space

—space deleted—

7

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a. Copies and Phonorecords

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c. Phonorecords Only

See instructions

8

DEPOSIT ACCOUNT If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.

Name ▼ American Society for Testing and Materials

Account Number ▼

DA078328

9

CORRESPONDENCE Give name and address to which correspondence about this application should be sent. Name Address Apt City State Zip ▼

Robert L. Meltzer, ASTM
100 Barr Harbor Drive
West Conshohocken, PA 19428-2959

Area Code & Telephone Number ▶ 610-832-9632

Be sure to
give your
daytime phone
number

CERTIFICATION* I, the undersigned, hereby certify that I am the

Check one ▶

- author
- other copyright claimant
- owner of exclusive right(s)
- authorized agent of

American Society for Testing and Materials

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

Name of author or other copyright claimant, or owner of exclusive right(s) ▲

Typed or printed name and date ▼ If this application gives a date of publication in space 3, do not sign and submit it before that date.

Robert L. Meltzer

date ▶ 2/3/98

10

Handwritten signature (X) *Robert L. Meltzer*

MAIL CERTIFICATE TO

Certificate will be mailed in window envelope

Name ▼	Kathe Hooper, ASTM
Number Street Apartment Number ▼	100 Barr Harbor Drive
City State ZIP ▼	West Conshohocken, PA 19428-2959

• Complete all necessary spaces
• Sign your application in space 10

1. Application form
 2. Nonrefundable \$20 filing fee in check or money order payable to Register of Copyrights
 3. Deposit material
- Register of Copyrights
Library of Congress
Washington, D.C. 20556

Copyright fees are adjusted at 5-year intervals, based on increases or decreases in the Consumer Price Index. The next adjustment is due in 1998. Contact the Copyright Office in January 1998 for the new fee schedule.

11

* 17 U.S.C. § 506(e) An person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 409, or in any written statement filed in connection with the application, shall be fined not more than \$2,500

CERTIFICATE OF REGISTRATION



This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

Marybeth Peters
 REGISTER OF COPYRIGHTS
 United States of America

FORM SE
 For a Serial
 UNITED STATES COPYRIGHT OFFICE
 REGISTRATION NUMBER

TX 4-654-921

 RTD004154921X

EFFECTIVE DATE OF REGISTRATION
 Month 3 Day 20 Year 98

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

1 TITLE OF THIS SERIAL ▼
 1998 Annual Book of ASTM Standards, Iron and Steel Products: Steel-Structural, Reinforcing, Pressure, Railway

Volume	Number ▼	Date on Copies ▼	Frequency of Publication ▼
01.04	01	January 1998	Annual

PREVIOUS OR ALTERNATIVE TITLES ▼

NOTE

Under the law, the "author" of a "work made for hire" is generally the employer, not the employee (see instructions). For any part of this work that was "made for hire" check "Yes" in the space provided, give the employer for other person for whom the work was prepared as "Author" of that part, and leave the space for dates of birth and death blank.

2 NAME OF AUTHOR ▼ **a** American Society for Testing and Materials

DATES OF BIRTH AND DEATH
 Year Born _____ Year Died ▼ _____

Was this contribution to the work a "work made for hire"?
 Yes No

AUTHOR'S NATIONALITY OR DOMICILE
 Name of Country _____
 OR { Citizen of ► _____
 Domiciled in ► United States

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
 Anonymous? Yes No
 Pseudonymous? Yes No

NATURE OF AUTHORSHIP Briefly describe nature of the material created by this author in which copyright is claimed. ▼
 Collective Work Other: Entire Text

b NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH
 Year Born ▼ _____ Year Died _____

Was this contribution to the work a "work made for hire"?
 Yes No

AUTHOR'S NATIONALITY OR DOMICILE
 Name of Country _____
 OR { Citizen of ► _____
 Domiciled in ► _____

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
 Anonymous? Yes No
 Pseudonymous? Yes No

NATURE OF AUTHORSHIP Briefly describe nature of the material created by this author in which copyright is claimed. ▼
 Collective Work Other: _____

c NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH
 Year Born ▼ _____ Year Died ▼ _____

Was this contribution to the work a "work made for hire"?
 Yes No

AUTHOR'S NATIONALITY OR DOMICILE
 Name of Country _____
 OR { Citizen of ► _____
 Domiciled in ► _____

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
 Anonymous? Yes No
 Pseudonymous? Yes No

NATURE OF AUTHORSHIP Briefly describe nature of the material created by this author in which copyright is claimed.
 Collective Work Other: _____

3 **a** YEAR IN WHICH CREATION OF THIS ISSUE WAS COMPLETED This information must be given in all cases. 1998 ◀ Year

b DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR ISSUE Complete this information ONLY if this work has been published. Month ► February Day ► 25 Year ► 1998 ◀ Nation

4 COPYRIGHT CLAIMANT(S) Name and address must be given even if the claimant is the same as the author given in space 2.
 American Society for Testing and Materials
 100 Barr Harbor Drive
 West Conshohocken, PA 19428-2959

TRANSFER If the claimant(s) named here in space 4 are different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright.

APPLICATION RECEIVED
 MAR 20 1998
 ONE DEPOSIT RECEIVED
 TWO DEPOSITS RECEIVED
 MAR 20 1998
 REMITTANCE NUMBER AND DATE

See instructions before completing this space.

EXAMINED BY CH FORM 8E
 CHECKED BY AWD
 CORRESPONDENCE Yes
 FOR COPYRIGHT OFFICE USE ONLY

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- Yes No If your answer is "Yes," why is another registration being sought? (Check appropriate box) ▼
- a. This is the first published version of an issue previously registered in unpublished form.
 b. This is the first application submitted by this author as copyright claimant.
 c. This is a changed version of this issue, as shown by space 6 on this application.

If your answer is "Yes," give: Previous Registration Number _____ Year of Registration ▼ _____

5

DERIVATIVE WORK OR COMPILATION Complete both space 6a & 6b for a derivative work; complete only 6b for a compilation.

a. Presenting Material Identify any presenting work or works that this work is based on or incorporates. ▼
1997 Annual Book of ASTM Standards, Section 01, Volume 01.04.

6

b. Material Added to This Work Give a brief, general statement of the material that has been added to this work and in which copyright is claimed. ▼
Completion of previous published text plus additional text.

See instructions before completing this space.

—space deleted—

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See instructions.

8

DEPOSIT ACCOUNT If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.
 Name: American Society for Testing and Materials Account Number: ▼ DA078328

9

CORRESPONDENCE Give name and address to which correspondence about this application should be sent.

Kathe Hooper, American Society for Testing and Materials

Name/Address/Firm/Ch./State/ZIP ▼

100 Barr Harbor Drive

West Conshohocken, PA 19428-2959

Area Code & Telephone Number ▶ (610) 832-9834

Be sure to give your daytime phone number.

CERTIFICATION* I, the undersigned, hereby certify that I am the

Check only one ▶

- author
 other copyright claimant
 owner of exclusive right(s)
 authorized agent of American Society for Testing & Materials
 Name of author or other copyright claimant, or owner of exclusive right(s) ▼

10

Typed or printed name and date ▼ If this application gives a date of publication in space 3, do not sign and submit it before that date.

Robert L. Metzger

date ▶ 3-5-98

Handwritten signature (CS) ▼
Robert L. Metzger

MAIL CERTIFICATE TO

Name ▼ Kathe Hooper, ASTM
 Number/Street/Apartment Number 100 Barr Harbor Drive
 City/State/ZIP ▼ West Conshohocken, PA 19428-2959

Certificate will be mailed in window envelope

- Complete all mandatory spaces
- Sign your application in space 10

1. Application form
2. Non-refundable \$20 filing fee in check or money order payable to Registrar of Copyrights
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 Washington, D.C. 20540

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Marybeth Peters
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FORM SE

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REGISTRATION NUMBER

TX 4-737-834



EFFECTIVE DATE OF REGISTRATION

JUN 19 1998

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DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

1

TITLE OF THIS SERIAL ▼

1998 Annual Book of ASTM Standards, Copper and Copper Alloys

Volume	Number ▼	Date on Copy	Frequency of Publication ▼
02.01	02	May 1998	Annual

PREVIOUS OR ALTERNATIVE TITLES ▼

2

NAME OF AUTHOR ▼

a American Society for Testing and Materials

DATES OF BIRTH AND DEATH
 Year Born ▼ Year Died

Was this contribution to the work a "work made for hire"?
 Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE
 Name of Country
 OR { Citizen of ▶
 Domiciled in ▶ United States

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
 Anonymously? Yes No
 Pseudonymously? Yes No
If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of the material created by the author in which copyright is claimed. ▼

Collective Work Other: Entire Text

NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH
 Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"?
 Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE
 Name of Country
 OR { Citizen of ▶
 Domiciled in ▶

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 Pseudonymously? Yes No
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NATURE OF AUTHORSHIP Briefly describe nature of the material created by this author in which copyright is claimed. ▼

Collective Work Other:

NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH
 Year Born ▼ Year Died

Was this contribution to the work a "work made for hire"?
 Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE
 Name of Country
 OR { Citizen of ▶
 Domiciled in ▶

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 Anonymously? Yes No
 Pseudonymously? Yes No
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NATURE OF AUTHORSHIP Briefly describe nature of the material created by this author in which copyright is claimed. ▼

Collective Work Other:

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YEAR IN WHICH CREATION OF THIS ISSUE WAS COMPLETED

1998 Year

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DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR ISSUE

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American Society for Testing and Materials
 100 Barr Harbor Drive
 West Conshohocken, PA 19428-2959

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JUN 19 1998

REMITTANCE NUMBER AND DATE

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 Yes No If your answer is "Yes," why is another registration being sought? (Check appropriate box)
 a. This is the first published version of an issue previously registered in unpublished form.
 b. This is the first application submitted by this author as copyright claimant.
 c. This is a changed version of this issue, as shown by space 6 on this application.
 If your answer is "Yes," give: Previous Registration Number Year of Registration

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DERIVATIVE WORK OR COMPILATION Complete both space 6a & 6b for a derivative work; complete only 6b for a compilation.
 a. **Preexisting Material** Identify any preexisting work or works that this work is based on or incorporates.
1997 Annual Book of ASTM Standards, Section 02, Volume 02.01
 b. **Material Added to This Work** Give a brief, general statement of the material that has been added to this work and in which copyright is claimed.
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8

DEPOSIT ACCOUNT If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.
 Name American Society for Testing and Materials Account Number DA078328

9

CORRESPONDENCE Give name and address to which correspondence about this application should be sent. Name/Address/Zip/City/State/Zip
Kathe Hooper, American Society for Testing and Materials
100 Barr Harbor Drive
West Conshohocken, PA 19428-2050
 Area Code & Telephone Number (610) 832-0634

Be sure to give your daytime phone number.

CERTIFICATION* I, the undersigned, hereby certify that I am the _____
 Check only one author
 other copyright claimant
 owner of exclusive right(s)
 authorized agent of American Society for Testing & Materials
Name of author or other copyright claimant, or owner of exclusive right(s)
 of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.
 Typed or printed name and date Robert L. Meltzer If this application gives a date of publication in space 3, do not sign and submit it before that date. date 5-20-98

10

Handwritten signature (X) Robert L. Meltzer

MAIL CERTIFICATE TO
 Name Kathe Hooper, ASTM
 Number/Street/Apartment Number 100 Barr Harbor Drive
 City/State/Zip West Conshohocken, PA 19428-2050

Certificate will be mailed in window envelope

11
 • Complete all necessary spaces
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 2. Non-refundable \$20 filing fee in check or money order payable to Register of Copyrights
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 Register of Copyrights
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 Washington, D.C. 20540
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*17 U.S.C. § 306(e): Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 408, or in any written statement filed in connection with the application, shall be fined not more than \$2,500.

CERTIFICATE OF REGISTRATION



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FORM SE

For a Serial
UNITED STATES COPYRIGHT OFFICE



Marybeth Peters

REGISTER OF COPYRIGHTS
United States of America

EFFECTIVE DATE OF REGISTRATION
6 23 98
Month Day Year

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1 TITLE OF THIS SERIAL

1998 Annual Book of ASTM Standards, General Test Methods, Monmetal Chromatography, Durability of Monmetallic Materials, Forensic Sciences, Lab-
WATERS APPLICABLE ANALYTICAL METHODS

Volume	Number	Date on Copies	Frequency of Publication
14.02	14	July	Annual

PREVIOUS OR ALTERNATIVE TITLES

2 a NAME OF AUTHOR

American Society for Testing and Materials

DATES OF BIRTH AND DEATH
Year Born Year Died

Was this contribution to the work a "work made for hire"?
 Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country
OR { Citizen of
Domiciled in United States

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymous? Yes No
Pseudonymous? Yes No

NATURE OF AUTHORSHIP Briefly describe nature of the material created by this author in which copyright is claimed.

Collective Work Other: Entire Text

b NAME OF AUTHOR

DATES OF BIRTH AND DEATH
Year Born Year Died

Was this contribution to the work a "work made for hire"?
 Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country
OR { Citizen of
Domiciled in

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c NAME OF AUTHOR

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Year Born Year Died

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 No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country
OR { Citizen of
Domiciled in

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymous? Yes No
Pseudonymous? Yes No

NATURE OF AUTHORSHIP Briefly describe nature of the material created by this author in which copyright is claimed.

Collective Work Other:

3 a YEAR IN WHICH CREATION OF THIS ISSUE WAS COMPLETED
1998 Year

b DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR ISSUE
Complete this information ONLY if this work has been published.
Month June Day 22 Year 1998
United States Nation

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American Society for Testing and Materials
100 Barr Harbor Drive
West Conshohocken, PA 19478-2959

TRANSFER If the claimant(s) named here in space 4 are different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright.

APPLICATION RECEIVED

JUN 23 1998
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TWO DEPOSITS RECEIVED

JUN 23 1998
REMITTANCE NUMBER AND DATE

MORE ON BACK Complete all applicable spaces (numbers 5-11) on the reverse side of this page. See detailed instructions. Sign the form at line 10.

DO NOT WRITE HERE Page 1 of 2 pages

NOTE

Under the law, the "author" of a work made for hire is generally the employer, or the employee (see instructions). For any part of this work that was made for hire check "Yes" in the space provided, give the employer (or their personal representative as prepared) as "Author" at part 2. If you have the space and death date.

See instructions before completing this space

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

PREVIOUS REGISTRATION Has registration for this issue, or for an earlier version of this particular issue, already been made in the Copyright Office?
 Yes No If your answer is "Yes," why is another registration being sought? (Check appropriate box) ▼
 a. This is the first published version of an issue previously registered in unpublished form.
 b. This is the first application submitted by this author as copyright claimant.
 c. This is a changed version of this issue, as shown by space 6 on this application.
 If your answer is "Yes," give: Previous Registration Number ▼ Year of Registration

5

DERIVATIVE WORK OR COMPILATION Complete both space 6a & 6b for a derivative work; complete only 6b for a compilation.
 a. **Preexisting Material** Identify any preexisting work or works that this work is based on or incorporates. ▼
1997 Annual Book of ASTM Standards, Section 14, Volume 14.02
 b. **Material Added to This Work** Give a brief, general statement of the material that has been added to this work and in which copyright is claimed. ▼
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DEPOSIT ACCOUNT If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.
 Name ▼ Account Number ▼
American Society for Testing and Materials DA078328

9

CORRESPONDENCE Give name and address to which correspondence about this application should be sent.
 Name/Address/Apt/City/State/ZIP
Kathe Hooper, American Society for Testing and Materials
100 Barr Harbor Drive
West Conshohocken, PA 19428-2059
 Area Code & Telephone Number ▶ (610) 832-9634

Be sure to give your daytime phone number.

CERTIFICATION * I, the undersigned, hereby certify that I am the
 Check only one ▶ author
 other copyright claimant
 owner of exclusive right(s)
 authorized agent of American Society for Testing & Materials
Name of author or other copyright claimant, or owner of exclusive right(s)
 of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.
 Typed or printed name and date ▼ If this application gives a date of publication in space 3, do not sign and submit it before that date.
Robert L. Meltzer date ▶ 6-22-98

10

Handwritten signature (X) Robert L. Meltzer

MAIL CERTIFICATE TO

Certificate will be mailed in window envelope

Name ▼	<u>Kathe Hooper, ASTM</u>
Number/Street/Apartment Number ▼	<u>100 Barr Harbor Drive</u>
City/State/ZIP	<u>West Conshohocken, PA 19428-2059</u>

• Complete all necessary spaces
 • Sign your application in space 10

1. Application form
 2. Nonrefundable \$20 filing fee in check or money order payable to Register of Copyrights
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Register of Copyrights
 Library of Congress
 Washington, D.C. 20559

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The Copyright Office has the authority to adjust fees at 2-year intervals based on changes in the Consumer Price Index. The next adjustment is due in 1998. Please contact the Copyright Office after July 1998 to determine the actual fee schedule.

*17 USC § 506(e): Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 408, or in any written statement filed in connection with the application, shall be fined not more than \$2,500.

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CERTIFICATE OF REGISTRATION



This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

Marybeth Peters
 REGISTER OF COPYRIGHTS
 United States of America

FORM SE
 For a Serial
 UNITED STATES COPYRIGHT OFFICE



EFFECTIVE DATE OF REGISTRATION

SEP 10 1998
 Month Day Year

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

1

TITLE OF THIS SERIAL ▼

1998 Annual Book of ASTM Standards, Gaseous Fuels; Coal and Coke

Volume ▼	Number ▼	Date on Copies ▼	Frequency of Publication
05.05	05	September 1998	Annual

PREVIOUS OR ALTERNATIVE TITLES

2

NAME OF AUTHOR ▼

a American Society for Testing and Materials

DATES OF BIRTH AND DEATH

Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"?

Yes

No

AUTHOR'S NATIONALITY OR DOMICILE

Name of Country

OR Citizen of ▶

Domiciled in ▶ United States

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous? Yes No

Pseudonymous? Yes No

If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of the material created by this author in which copyright is claimed.

Collective Work Other: Entire Text

NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH

Year Born Year Died ▼

Was this contribution to the work a "work made for hire"?

Yes

No

AUTHOR'S NATIONALITY OR DOMICILE

Name of Country

OR Citizen of ▶

Domiciled in ▶

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NAME OF AUTHOR ▼

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Collective Work Other:

3

YEAR IN WHICH CREATION OF THIS ISSUE WAS COMPLETED

1998 Year

DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR ISSUE

Complete this information ONLY if this work has been published

Month ▶ September Day ▶ 1 Year ▶ 1998

United States Nation

4

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a. Preexisting Material Identify any preexisting work or works that this work is based on or incorporates. ▼

1997 Annual Book of ASTM Standards, Section 05, Volume 05.05

6

b. Material Added to This Work Give a brief, general statement of the material that has been added to this work and in which copyright is claimed. ▼

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Kathe Hooper, American Society for Testing and Materials

100 Barr Harbor Drive

West Conshohocken, PA 19428-2959

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other copyright claimant

owner of exclusive right(s)

authorized agent of American Society for Testing & Materials

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of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

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Robert L. Metzger

date ▶ 9-1-98

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Name ▼

Kathe Hooper, ASTM

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1

1998 Annual Book of ASTM Standards, Biological Effects and Environmental Fate; Biotechnology; Pesticides

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11.05	11	August 1998	Annual

PREVIOUS OR ALTERNATIVE TITLES ▼

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Pseudonymous? Yes No

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date ▶ 10-1-88

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1

1998 Annual Book of ASTM Standards, Cement; Lime; Gypsum

Volume ▼ Number ▼ Date on Copies ▼ Frequency of Publication

04.01 04 September 1998 Annual

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Robert L. Meltzer

date ▶ 10-1-98

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04.06	04	November 1998	Annual

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Was this contribution to the work a "work made for hire"?
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 No

AUTHOR'S NATIONALITY OR DOMICILE
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 OR Citizen of _____
 Domiciled in _____

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
 Anonymous? Yes No
 Pseudonymous? Yes No

NATURE OF AUTHORSHIP Briefly describe nature of the material created by this author in which copyright is claimed. ▼

Collective Work Other: _____

NAME OF AUTHOR ▼

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1999 Year

b DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR ISSUE

Month JAN Day 26 Year 1999
 U.S.A. Nation

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American Society for Testing & Materials
 100 Barr Harbor Drive
 West Conshohocken, PA 19428-2959

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ASTM000093

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- a. This is the first published version of an issue previously registered in unpublished form.
- b. This is the first application submitted by this author as copyright claimant.
- c. This is a changed version of this issue, as shown by space 6 on this application.

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Year of Registration ▼

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DERIVATIVE WORK OR COMPILATION Complete both space 6a & 6b for a derivative work, complete only 6b for a compilation.

a. **Preexisting Material** Identify any preexisting work or works that this work is based on or incorporates. ▼

1998 Annual Book of ASTM Standards, Section 01, Volume 01.07

b. **Material Added to This Work** Give a brief, general statement of the material that has been added to this work and in which copyright is claimed. ▼
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7

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Name ▼ American Society for Testing and Materials Account Number ▼ DR078328

9

CORRESPONDENCE Give name and address to which correspondence about this application should be sent. Name/Address/Apt./City/State/Zip ▼

Robert L. Meltzer, ASTM
100 Barr Harbor Drive
West Conshohocken, PA 19428-2959

Area Code & Telephone Number ▶ 610-832-9632

Be sure to give your daytime phone number.

CERTIFICATION* I, the undersigned, hereby certify that I am the

Check one ▶

- author
 - other copyright claimant
 - owner of exclusive right(s)
 - authorized agent of American Society for Testing and Materials
- Name of author or other copyright claimant, or owner of exclusive right(s) ▶

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

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Robert L. Meltzer

date ▶ 2/26/99

10

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Robert L. Meltzer

MAIL CERTIFICATE TO

Name ▼ Kathe Hooper, ASTM
Number, Street, Apartment Number ▼ 100 Barr Harbor Drive
City, State, ZIP ▼ West Conshohocken, PA 19428-2959

Certificate will be mailed in window envelope

1. Application form
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* 17 U.S.C. § 506(e). Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 409, or in any written statement filed in connection with the application, shall be fined not more than \$2,500.

CERTIFICATE OF REGISTRATION



This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

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1999 Annual Book of ASTM Standards - PETROLEUM PRODUCTS AND LUBRICANTS (I):
D56 - D2596

Volume ▼ *05.01* Number ▼ *05* Date on Copies ▼ *FEBRUARY 1999* Frequency of Publication ▼ *Annual*

PREVIOUS OR ALTERNATIVE TITLES ▼

2 NAME OF AUTHOR ▼

a American Society for Testing and Materials

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AUTHOR'S NATIONALITY OR DOMICILE
 Name of Country

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WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK?
 Anonymous? Yes No
 Pseudonymous? Yes No
If the answer to either of these questions is "Yes," see detailed instructions

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Collective Work Other: **Entire Text**

NAME OF AUTHOR ▼

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American Society for Testing & Materials
100 Barr Harbor Drive
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ASTM000095

NOTE
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 CORRESPONDENCE
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PREVIOUS REGISTRATION Has registration for this issue, or for an earlier version of this particular issue, already been made in the Copyright Office?
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If your answer is "Yes," give: Previous Registration Number ▼ Year of Registration ▼

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1998 Annual Book of ASTM Standards, Section 05, Volume 05, 01.

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See instructions

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 Name ▼ American Society for Testing and Materials Account Number ▼ DA078328

9

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Robert L. Meltzer, ASTM
100 Barr Harbor Drive
West Conshohocken, PA 19428-2959
 Area Code & Telephone Number ▼ 610-832-9632

Be sure to give your daytime phone number

CERTIFICATION* I, the undersigned, hereby certify that I am the

Check one ▶ author
 other copyright claimant
 owner of exclusive right(s)
 authorized agent of American Society for Testing and Materials

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge. Name of author or other copyright claimant, or owner of exclusive right(s) ▶

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Robert L. Meltzer date ▶ 2/26/99

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 Number Street Apartment Number ▼ 100 Barr Harbor Drive
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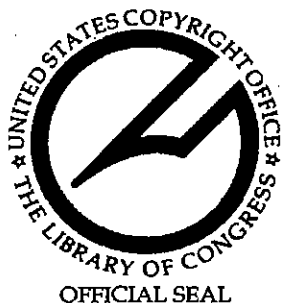
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June 1992—58000

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2 NAME OF AUTHOR

American Society for Testing and Materials

DATES OF BIRTH AND DEATH
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Was this contribution to the work a "work made for hire"?
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AUTHOR'S NATIONALITY OR DOMICILE
 Name of Country
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WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
 Anonymous? Yes No
 Pseudonymous? Yes No
If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of the material created by this author in which copyright is claimed.

Collective Work Other: **Entire Text**

NAME OF AUTHOR

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Name ▼ American Society for Testing and Materials

Account Number ▼ # DA078328

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Robert L. Meltzer, ASTM
100 Barr Harbor Drive
West Conshohocken, PA 19428-2959

Area Code & Telephone Number ▶ 610-832-9632

Be sure to
give your
daytime phone
number.

9

CERTIFICATION* I, the undersigned, hereby certify that I am the

Check one ▶

- author
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- owner of exclusive right(s)
- authorized agent of

American Society for Testing and Materials

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

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Typed or printed name and date ▼ If this application gives a date of publication in space 3, do not sign and submit it before that date.

Robert L. Meltzer

date ▶ 2/26/99

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Robert L. Meltzer

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Name ▼ Kathe Hooper, ASTM
Number, Street Apartment Number ▼ 100 Barr Harbor Drive
City State ZIP ▼ West Conshohocken, PA 19428-2959

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Volume ▼	Number	Date on Copies ▼	Frequency of Publication ▼
05.02	05	March 1999	Annual

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OR { Citizen of ►
Domiciled in ► United States

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United States ← Nation

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1998 Annual Book of ASTM Standards, Section 05, Volume 05.02

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Name ▼

Account Number ▼

American Society for Testing and Materials

DA078328

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CORRESPONDENCE Give name and address to which correspondence about this application should be sent.

Name/Address/Apt/City/State/ZIP ▼

Kathe Hooper, American Society for Testing and Materials

100 Barr Harbor Drive

West Conshohocken, PA 19428-2959

Area Code & Telephone Number ▶ (610) 832-9634

Be sure to
give your
daytime phone
number.

CERTIFICATION* I, the undersigned, hereby certify that I am the

Check only one ▶

author

other copyright claimant

owner of exclusive right(s)

authorized agent of American Society for Testing & Materials

Name of author or other copyright claimant, or owner of exclusive right(s) ▲

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Robert L. Meltzer

date ▶ 3-29-99

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TO

Name

Kathe Hooper, ASTM

Number/Street/Apartment Number ▼

100 Barr Harbor Drive

City/State/ZIP ▼

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11

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*17 U.S.C. § 508(e): Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 409, or in any written statement filed in connection with the application, shall be fined not more than \$2,500.

CERTIFICATE OF REGISTRATION



This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

Marybeth Peters
 REGISTER OF COPYRIGHTS
 United States of America

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 UNITED STATES COPYRIGHT OFFICE
 REGISTRATION NUMBER

TX 4-898-491

 TX0004898491

EFFECTIVE DATE OF REGISTRATION

4 20 99
 Month Day Year

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1 TITLE OF THIS SERIAL ▼

1999 Annual Book of ASTM Standards, Paint-Tests for Chemical, Physical, and Optical Properties, Appearance

Volume ▼	Number	Date on Copies ▼	Frequency of Publication ▼
06.01	06	February 1999	Annual

PREVIOUS OR ALTERNATIVE TITLES ▼

2 NAME OF AUTHOR ▼

a American Society for Testing and Materials

DATES OF BIRTH AND DEATH
 Year Born ▼ Year Died

Was this contribution to the work a "work made for hire"?
 Yes No

AUTHOR'S NATIONALITY OR DOMICILE
 Name of Country OR { Citizen of ► United States
 Domiciled in ►

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
 Anonymous? Yes No
 Pseudonymous? Yes No

NATURE OF AUTHORSHIP Briefly describe nature of the material created by this author in which copyright is claimed. ▼
 Collective Work Other: Entire Text

NAME OF AUTHOR ▼

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 Domiciled in ►

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 Pseudonymous? Yes No

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3 a YEAR IN WHICH CREATION OF THIS ISSUE WAS COMPLETED This information must be given in all cases. b DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR ISSUE Complete this information ONLY if this work has been published.

1999 Year March Day 22 Year 1999
 United States Nation

4 COPYRIGHT CLAIMANT(S) Name and address must be given even if the claimant is the same as the author given in space 2. ▼

American Society for Testing and Materials
 100 Barr Harbor Drive
 West Conshohocken, PA 19428-2959

TRANSFER If the claimant(s) named here in space 4 are different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright.

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NOTE
 Under the law, the "author" of a "work made for hire" is generally the employer, not the employee (see instructions). For my part of this work that was made for hire "Yes" in the space provided, give the employer (or their person for whom the work was prepared) as "Author" of my part, and leave the space for date of birth and death blank.

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FORM SE

CHECKED BY

CORRESPONDENCE
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PREVIOUS REGISTRATION Has registration for this issue, or for an earlier version of this particular issue, already been made in the Copyright Office?

Yes No If your answer is "Yes," why is another registration being sought? (Check appropriate box)

a. This is the first published version of an issue previously registered in unpublished form.

b. This is the first application submitted by this author as copyright claimant.

c. This is a changed version of this issue, as shown by space 6 on this application.

If your answer is "Yes," give: Previous Registration Number Year of Registration

5

DERIVATIVE WORK OR COMPILATION Complete both space 6a & 6b for a derivative work; complete only 6b for a compilation.

a. **Preexisting Material** Identify any preexisting work or works that this work is based on or incorporates.
1998 Annual Book of ASTM Standards, Section 06, Volume 06.01

b. **Material Added to This Work** Give a brief, general statement of the material that has been added to this work and in which copyright is claimed.
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See instructions
before completing
this space.

6

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Name Account Number

American Society for Testing and Materials

DA078328

9

CORRESPONDENCE Give name and address to which correspondence about this application should be sent.

Name/Address/Apt/City/State/ZIP

Kathe Hooper, American Society for Testing and Materials

100 Barr Harbor Drive

West Conshohocken, PA 19428-2959

Area Code & Telephone Number ▶ (610) 832-9634

Be sure to
give your
daytime phone
number.

CERTIFICATION* I, the undersigned, hereby certify that I am the

Check only one ▶

author

other copyright claimant

owner of exclusive right(s)

authorized agent of American Society for Testing & Materials
Name of author or other copyright claimant, or owner of exclusive right(s) ▶

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

Typed or printed name and date If this application gives a date of publication in space 3, do not sign and submit it before that date.

Robert L. Meltzer

date ▶ 3-29-99

10

Handwritten signature (s)

Robert L. Meltzer

MAIL
CERTIFICATE
TO

Name	Kathe Hooper, ASTM
Number/Street/Apartment Number <input type="checkbox"/>	100 Barr Harbor Drive
City/State/ZIP <input type="checkbox"/>	West Conshohocken, PA 19428-2959

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IMPORTANT

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REGISTER OF COPYRIGHTS
U.S. DEPARTMENT OF COMMERCE

1. Application form
2. Nonrefundable \$20 filing fee in check or money order, payable to Register of Copyrights
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Library of Congress
Washington, D.C. 20559

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Marybeth Peters
 REGISTER OF COPYRIGHTS
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FORM SE
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 REGISTRATION NUMBER

TX 4-951-524

EFFECTIVE DATE OF REGISTRATION
AUG - 9 1999
 Month Day Year

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1

TITLE OF THIS SERIAL

1999 Annual Book of ASTM Standards - Gaseous Fuels; Coal and Coke

Volume	Number	Date on Copies	Frequency of Publication
05.05	05	September 1999	Annual

PREVIOUS OR ALTERNATIVE TITLES

2

NAME OF AUTHOR

a American Society for Testing and Materials

DATES OF BIRTH AND DEATH
 Year Born Year Died

Was this contribution to the work a "work made for hire"?
 Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE
 Name of Country
 OR { Citizen of United States
 Domiciled in United States

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
 Anonymous? Yes No
 Pseudonymous? Yes No

NATURE OF AUTHORSHIP Briefly describe nature of the material created by this author in which copyright is claimed.
 Collective Work Other: Entire Text

NOTE

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DATES OF BIRTH AND DEATH
 Year Born Year Died

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a. Preexisting Material Identify any preexisting work or works that this work is based on or incorporates.

1998 Annual Book of ASTM Standards, Section 05, Volume 05.05

6

b. Material Added to This Work Give a brief, general statement of the material that has been added to this work and in which copyright is claimed.

Compilation of previous published text plus additional text.

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Name Account Number

American Society for Testing and Materials

DA078328

9

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Name/Address/Apt/City/State/ZIP

Kathe Hooper, American Society for Testing and Materials

100 Barr Harbor Drive

West Conshohocken, PA 19428-2959

Area Code & Telephone Number (610) 832-9634

Be sure to
give your
daytime phone
number.

CERTIFICATION* I, the undersigned, hereby certify that I am the

Check only one

- author
- other copyright claimant
- owner of exclusive right(s)
- authorized agent of American Society for Testing & Materials

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

Name of author or other copyright claimant, or owner of exclusive right(s)

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Typed or printed name and date If this application gives a date of publication in space 3, do not sign and submit it before that date.

Robert L. Meltzer

date 8-3-99

Handwritten signature *[Signature]*

MAIL
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TO

Name	Kathe Hooper, ASTM
Number/Street/Apartment Number <input type="checkbox"/>	100 Barr Harbor Drive
City/State/ZIP <input type="checkbox"/>	West Conshohocken, PA 19428-2959

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• Sign your application in space 10

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Marybeth Peters
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FORM SE
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 UNITED STATES COPYRIGHT OFFICE
 REGISTRATION NUMBER

TX 4-952-491

EFFECTIVE DATE OF REGISTRATION
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1

TITLE OF THIS SERIAL

1999 Annual Book of ASTM Standards, Laboratory Apparatus, Degradation of Materials, Filtration, SI, Oxygen Fire Safety

Volume	Number	Date on Copies	Frequency of Publication
14.04	14	July 1999	Annual

PREVIOUS OR ALTERNATIVE TITLES

2

a NAME OF AUTHOR
 American Society for Testing and Materials

DATES OF BIRTH AND DEATH
 Year Born Year Died

Was this contribution to the work a "work made for hire"? Yes No

AUTHOR'S NATIONALITY OR DOMICILE
 Name of Country OR Citizen of United States
 OR Domiciled in United States

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
 Anonymous? Yes No
 Pseudonymous? Yes No

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Collective Work Other:

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a YEAR IN WHICH CREATION OF THIS ISSUE WAS COMPLETED
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AUG 09 1999
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1998 Annual Book of ASTM Standards, Section 14, Volume 14.04

6

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Name ▼ American Society for Testing and Materials Account Number ▼ DA078328

9

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Name/Address/Apt/City/State/ZIP ▼
Kathe Hooper, American Society for Testing and Materials
100 Barr Harbor Drive
West Conshohocken, PA 19428-2959

Area Code & Telephone Number ▶ (610) 832-9634

Be sure to give your daytime phone number.

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- Check only one ▶ author
 other copyright claimant
 owner of exclusive right(s)
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Typed or printed name and date ▼ If this application gives a date of publication in space 3, do not sign and submit it before that date.
Robert L. Meltzer date ▶ 8-3-99

10

Handwritten signature ▼
Robert L. Meltzer

MAIL CERTIFICATE TO

Name ▼ Kathe Hooper, ASTM
 Number/Street/Apartment Number ▼ 100 Barr Harbor Drive
 City/State/ZIP ▼ West Conshohocken, PA 19428-2959

Certificate will be mailed in window envelope

- Complete all necessary spaces
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CERTIFICATE OF COPYRIGHT REGISTRATION

FORM TX

UNITED STATES COPYRIGHT OFFICE

This certificate, issued under the seal of the Copyright Office in accordance with the provisions of section 410(a) of title 17, United States Code, attests that copyright registration has been made for the work identified below. The information in this certificate has been made a part of the Copyright Office records.

Barbara Ringer
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TX	434-207
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Month	Day Year

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1 Title	TITLE OF THIS WORK: 1980 ANNUAL BOOK OF ASTM STANDARDS, Part 1: Steel-Piping, Tubing, Fittings	PREVIOUS OR ALTERNATIVE TITLES:
	If a periodical or serial give: Vol. No. Issue Date	
PUBLICATION AS A CONTRIBUTION: (If this work was published as a contribution to a periodical, serial, or collection, give information about the collective work in which the contribution appeared.)		
Title of Collective Work: Vol. No. Date Pages		

2 Author(s)	IMPORTANT: Under the law, the "author" of a "work made for hire" is generally the employer, not the employee (see instructions). If any part of this work was "made for hire" check "Yes" in the space provided, give the employer (or other person for whom the work was prepared) as "Author" of that part, and leave the space for dates blank.											
	1	<table border="1"> <tr> <td>NAME OF AUTHOR: American Society for Testing and Materials</td> <td>DATES OF BIRTH AND DEATH: Born Died</td> </tr> <tr> <td>Was this author's contribution to the work a "work made for hire"? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></td> <td>(Year) (Year)</td> </tr> <tr> <td>AUTHOR'S NATIONALITY OR DOMICILE: Citizen of } or { Domiciled in U.S.A.</td> <td>WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK:</td> </tr> <tr> <td>(Name of Country) (Name of Country)</td> <td>Anonymous? Yes No Pseudonymous? Yes No</td> </tr> <tr> <td>AUTHOR OF: (Briefly describe nature of this author's contribution)</td> <td>If the answer to either of these questions is "Yes, see detailed instructions attached.</td> </tr> </table>	NAME OF AUTHOR: American Society for Testing and Materials	DATES OF BIRTH AND DEATH: Born Died	Was this author's contribution to the work a "work made for hire"? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	(Year) (Year)	AUTHOR'S NATIONALITY OR DOMICILE: Citizen of } or { Domiciled in U.S.A.	WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK:	(Name of Country) (Name of Country)	Anonymous? Yes No Pseudonymous? Yes No	AUTHOR OF: (Briefly describe nature of this author's contribution)	If the answer to either of these questions is "Yes, see detailed instructions attached.
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(Name of Country) (Name of Country)	Anonymous? Yes No Pseudonymous? Yes No											
AUTHOR OF: (Briefly describe nature of this author's contribution)	If the answer to either of these questions is "Yes, see detailed instructions attached.											
3	<table border="1"> <tr> <td>NAME OF AUTHOR:</td> <td>DATES OF BIRTH AND DEATH: Born Died</td> </tr> <tr> <td>Was this author's contribution to the work a "work made for hire"? Yes No</td> <td>(Year) (Year)</td> </tr> <tr> <td>AUTHOR'S NATIONALITY OR DOMICILE: Citizen of } or { Domiciled in</td> <td>WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK:</td> </tr> <tr> <td>(Name of Country) (Name of Country)</td> <td>Anonymous? Yes No Pseudonymous? Yes No</td> </tr> <tr> <td>AUTHOR OF: (Briefly describe nature of this author's contribution)</td> <td>If the answer to either of these questions is "Yes, see detailed instructions attached.</td> </tr> </table>	NAME OF AUTHOR:	DATES OF BIRTH AND DEATH: Born Died	Was this author's contribution to the work a "work made for hire"? Yes No	(Year) (Year)	AUTHOR'S NATIONALITY OR DOMICILE: Citizen of } or { Domiciled in	WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK:	(Name of Country) (Name of Country)	Anonymous? Yes No Pseudonymous? Yes No	AUTHOR OF: (Briefly describe nature of this author's contribution)	If the answer to either of these questions is "Yes, see detailed instructions attached.	
NAME OF AUTHOR:	DATES OF BIRTH AND DEATH: Born Died											
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AUTHOR'S NATIONALITY OR DOMICILE: Citizen of } or { Domiciled in	WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK:											
(Name of Country) (Name of Country)	Anonymous? Yes No Pseudonymous? Yes No											
AUTHOR OF: (Briefly describe nature of this author's contribution)	If the answer to either of these questions is "Yes, see detailed instructions attached.											

3 Creation and Publication	YEAR IN WHICH CREATION OF THIS WORK WAS COMPLETED: Year 1980	DATE AND NATION OF FIRST PUBLICATION: Date January 15 1980 (Month) (Day) (Year) Nation United States (Name of Country)
	(This information must be given in all cases.)	(Complete this block ONLY if this work has been published.)

4 Claimant(s)	NAME(S) AND ADDRESS(ES) OF COPYRIGHT CLAIMANT(S): American Society for Testing and Materials 1916 Race Street Philadelphia, PA. 19103
	TRANSFER: (If the copyright claimant(s) named here in space 4 are different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright.)

- Complete all applicable spaces (numbers 5-11) on the reverse side of this page
- Follow detailed instructions attached
- Sign the form at line 10

DO NOT WRITE HERE
 Page 1 of 2 pages

ASTM000107

TX 434-207	EXAMINED BY: <i>[Signature]</i>	APPLICATION RECEIVED: 25 FEB 1980 17 MAR 1980	FOR COPYRIGHT OFFICE USE ONLY
	CHECKED BY: <i>[Signature]</i>	DEPOSIT RECEIVED: 17 MAR 1980 17 MAR 1980	
	CORRESPONDENCE: <input type="checkbox"/> Yes	REMITTANCE NUMBER AND DATE: 180750 MAR 17 80	
	DEPOSIT ACCOUNT FUNDS USED: <input type="checkbox"/>		

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED ADDITIONAL SPACE, USE CONTINUATION SHEET (FORM TX/CON)

PREVIOUS REGISTRATION: • Has registration for this work, or for an earlier version of this work, already been made in the Copyright Office? Yes X No • If your answer is "Yes," why is another registration being sought? (Check appropriate box) <input type="checkbox"/> This is the first published edition of a work previously registered in unpublished form. <input type="checkbox"/> This is the first application submitted by this author as copyright claimant. <input type="checkbox"/> This is a changed version of the work, as shown by line 6 of this application. • If your answer is "Yes," give: Previous Registration Number TX 226-040 Year of Registration 1979	5 Previous Registration
---	-----------------------------------

COMPILATION OR DERIVATIVE WORK: (See instructions) PREEXISTING MATERIAL: (Identify any preexisting work or works that this work is based on or incorporates.) { 1979 Annual Book of ASTM Standards, Part 1 MATERIAL ADDED TO THIS WORK: (Give a brief, general statement of the material that has been added to this work and in which copyright is claimed.) { Compilation of previously published text plus additional text.	6 Compilation or Derivative Work
---	--

MANUFACTURERS AND LOCATIONS: (If this is a published work consisting preponderantly of nondramatic literary material in English, the law may require that the copies be manufactured in the United States or Canada for full protection. If so, the names of the manufacturers who performed certain processes, and the places where these processes were performed must be given. See instructions for details.) NAMES OF MANUFACTURERS: Waverly Press, Inc. PLACES OF MANUFACTURE: Easton, MD.	7 Manufacturing
---	---------------------------

REPRODUCTION FOR USE OF BLIND OR PHYSICALLY-HANDICAPPED PERSONS: (See instructions) • Signature of this form at space 10, and a check in one of the boxes here in space 8, constitutes a non-exclusive grant of permission to the Library of Congress to reproduce and distribute solely for the blind and physically handicapped and under the conditions and limitations prescribed by the regulations of the Copyright Office: (1) copies of the work identified in space 1 of this application in Braille (or similar tactile symbols); or (2) phonorecords embodying a fixation of a reading of that work; or (3) both. <input checked="" type="checkbox"/> Copies and phonorecords <input type="checkbox"/> Copies Only <input type="checkbox"/> Phonorecords Only	8 License For Handicapped
---	-------------------------------------

DEPOSIT ACCOUNT: (If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.) Name: Account Number:	CORRESPONDENCE: (Give name and address to which correspondence about this application should be sent.) Name: Robert L. Meltzer Address: 1916 Race Street Philadelphia PA 19103 (City) (State) (ZIP)	9 Fee and Correspondence
---	--	------------------------------------

CERTIFICATION: * I, the undersigned, hereby certify that I am the: (Check one) <input type="checkbox"/> author <input type="checkbox"/> other copyright claimant <input type="checkbox"/> owner of exclusive right(s) <input checked="" type="checkbox"/> authorized agent of: American Society for Testing and Materials of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge. Handwritten signature: (X) <i>[Signature]</i> Typed or printed name: Robert L. Meltzer Date: 1/31/80	10 Certification (Application must be signed)
--	---

American Society for Testing and Materials (Name) 1916 Race Street (Number, Street and Apartment Number) Philadelphia PA 19103 (City) (State) (ZIP code)	MAIL CERTIFICATE TO 10 APR 1980 (Certificate will be mailed in window envelope)	11 Address For Return of Certificate
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* 17 U.S.C. § 506(e): Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 409, or in any written statement filed in connection with the application, shall be fined not more than \$2,500.

CERTIFICATE OF COPYRIGHT REGISTRATION

FORM TX

UNITED STATES COPYRIGHT OFFICE

This certificate, issued under the seal of the Copyright Office in accordance with the provisions of section 410(a) of title 17, United States Code, attests that copyright registration has been made for the work identified below. The information in this certificate has been made a part of the Copyright Office records.

Barbara Ringer

REGISTER OF COPYRIGHTS
United States of America

REGISTRATION NUMBER	
TX	464-573
TX	TXU
EFFECTIVE DATE OF REGISTRATION	
4	21
Month	Day
	80
	Year

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE CONTINUATION SHEET

1 Title	TITLE OF THIS WORK: 1980 Annual Book of ASTM Standards, Part 4, Steel-Structural, Reinforcing, Pressure Vessel, Railway; Fasteners	PREVIOUS OR ALTERNATIVE TITLES:
	If a periodical or serial give: Vol. No. Issue Date	
PUBLICATION AS A CONTRIBUTION: (If this work was published as a contribution to a periodical, serial, or collection, give information about the collective work in which the contribution appeared.)		
Title of Collective Work: Vol. No. Date Pages		

2 Author(s)	IMPORTANT: Under the law, the "author" of a "work made for hire" is generally the employer, not the employee (see instructions). If any part of this work was "made for hire" check "Yes" in the space provided, give the employer (or other person for whom the work was prepared) as "Author" of that part, and leave the space for dates blank.		
	1	NAME OF AUTHOR: American Society for Testing and Materials Was this author's contribution to the work a "work made for hire"? Yes. <input checked="" type="checkbox"/> No.	DATES OF BIRTH AND DEATH: Born Died
		AUTHOR'S NATIONALITY OR DOMICILE: Citizen of } or { Domiciled in U.S.A. (Name of Country) (Name of Country)	WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK: Anonymous? Yes No Pseudonymous? Yes No
		AUTHOR OF: (Briefly describe nature of this author's contribution)	If the answer to either of these questions is "Yes, see detailed instructions attached."
	2	NAME OF AUTHOR: Was this author's contribution to the work a "work made for hire"? Yes. No.	DATES OF BIRTH AND DEATH: Born Died
		AUTHOR'S NATIONALITY OR DOMICILE: Citizen of } or { Domiciled in (Name of Country) (Name of Country)	WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK: Anonymous? Yes No Pseudonymous? Yes No
		AUTHOR OF: (Briefly describe nature of this author's contribution)	If the answer to either of these questions is "Yes, see detailed instructions attached."
	3	NAME OF AUTHOR: Was this author's contribution to the work a "work made for hire"? Yes. No.	DATES OF BIRTH AND DEATH: Born Died
		AUTHOR'S NATIONALITY OR DOMICILE: Citizen of } or { Domiciled in (Name of Country) (Name of Country)	WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK: Anonymous? Yes No Pseudonymous? Yes No
AUTHOR OF: (Briefly describe nature of this author's contribution)		If the answer to either of these questions is "Yes, see detailed instructions attached."	

3 Creation and Publication	YEAR IN WHICH CREATION OF THIS WORK WAS COMPLETED: Year: 1980 (This information must be given in all cases.)	DATE AND NATION OF FIRST PUBLICATION: Date: February 29 1980 (Month) (Day) (Year) Nation: United States (Name of Country) (Complete this block ONLY if this work has been published.)
-------------------------------	---	---

4 Claimant(s)	NAME(S) AND ADDRESS(ES) OF COPYRIGHT CLAIMANT(S): American Society for Testing and Materials 1916 Race Street Philadelphia, PA. 19103
	TRANSFER: (If the copyright claimant(s) named here in space 4 are different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright.)

- Complete all applicable spaces (numbers 5-11) on the reverse side of this page
- Follow detailed instructions attached
- Sign the form at line 10

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Page 1 of ... 2 ... pages

ASTM000109

TX 464-573	EXAMINED BY: <i>CEV</i> CHECKED BY: <i>h</i>	APPLICATION RECEIVED: APR 21 1980	FOR COPYRIGHT OFFICE USE ONLY
	CORRESPONDENCE: <input type="checkbox"/> Yes	DEPOSIT RECEIVED: APR 21 1980	
	DEPOSIT ACCOUNT FUNDS USED: <input type="checkbox"/>	REMITTANCE NUMBER AND DATE: 217631 APR 21 80	

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED ADDITIONAL SPACE, USE CONTINUATION SHEET (FORM TX/CON)


PREVIOUS REGISTRATION: <ul style="list-style-type: none"> Has registration for this work, or for an earlier version of this work, already been made in the Copyright Office? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If your answer is "Yes," why is another registration being sought? (Check appropriate box) <ul style="list-style-type: none"> <input type="checkbox"/> This is the first published edition of a work previously registered in unpublished form. <input type="checkbox"/> This is the first application submitted by this author as copyright claimant. <input type="checkbox"/> This is a changed version of the work, as shown by line 6 of this application. If your answer is "Yes," give: Previous Registration Number TX 243-321 Year of Registration 1979 	5 Previous Registration
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COMPILATION OR DERIVATIVE WORK: (See instructions) PREEXISTING MATERIAL: (Identify any preexisting work or works that this work is based on or incorporates.) <u>1979 Annual Book of ASTM Standards, Part 4</u> MATERIAL ADDED TO THIS WORK: (Give a brief, general statement of the material that has been added to this work and in which copyright is claimed.) <u>Compilation of previously published text plus additional text</u>	6 Compilation or Derivative Work
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MANUFACTURERS AND LOCATIONS: (If this is a published work consisting preponderantly of nondramatic literary material in English, the law may require that the copies be manufactured in the United States or Canada for full protection. If so, the names of the manufacturers who performed certain processes, and the places where these processes were performed must be given. See instructions for details.) <table style="width: 100%;"> <tr> <td style="width: 50%;"> NAMES OF MANUFACTURERS <u>Waverly Press, Inc.</u> </td> <td style="width: 50%;"> PLACES OF MANUFACTURE <u>Easton, MD</u> </td> </tr> </table>	NAMES OF MANUFACTURERS <u>Waverly Press, Inc.</u>	PLACES OF MANUFACTURE <u>Easton, MD</u>	7 Manufactur- ing
NAMES OF MANUFACTURERS <u>Waverly Press, Inc.</u>	PLACES OF MANUFACTURE <u>Easton, MD</u>		

REPRODUCTION FOR USE OF BLIND OR PHYSICALLY-HANDICAPPED PERSONS: (See instructions) <ul style="list-style-type: none"> Signature of this form at space 10, and a check in one of the boxes here in space 8, constitutes a non-exclusive grant of permission to the Library of Congress to reproduce and distribute solely for the blind and physically handicapped and under the conditions and limitations prescribed by the regulations of the Copyright Office: (1) copies of the work identified in space 1 of this application in Braille (or similar tactile symbols); or (2) phonorecords embodying a fixation of a reading of that work, or (3) both. <p style="text-align: center;"> <input checked="" type="checkbox"/> Copies and phonorecords <input type="checkbox"/> Copies Only <input type="checkbox"/> Phonorecords Only </p>	8 License For Handicapped
---	---

DEPOSIT ACCOUNT: (If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.) Name: _____ Account Number: _____	CORRESPONDENCE: (Give name and address to which correspondence about this application should be sent.) Name: <u>Robert L. Meltzer, ASTM</u> Address: <u>1916 Race Street</u> <u>Philadelphia, PA 19103</u> <small>(City) (State) (ZIP)</small>	9 Fee and Correspondence
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CERTIFICATION: * I, the undersigned, hereby certify that I am the: (Check one) American Society for Testing and Materials <input type="checkbox"/> author <input type="checkbox"/> other copyright claimant <input type="checkbox"/> owner of exclusive right(s) <input checked="" type="checkbox"/> authorized agent of: _____ <small>(Name of author or other copyright claimant, or owner of exclusive right(s))</small> of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge. <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="text-align: center;">  Handwritten signature: (X) _____ Typed or printed name: <u>Robert L. Meltzer</u> </div> <div style="text-align: right;"> Date: <u>3/25/80</u> </div> </div>	10 Certification (Application must be signed)
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..... American Society for Testing and Materials <small>(Name)</small> 1916 Race Street <small>(Number, Street and Apartment Number)</small> Philadelphia, PA 19103 <small>(City) (State) (ZIP code)</small>	MAIL CERTIFICATE TO MAY 30 1980 (Certificate will be mailed in window envelope)	11 Address For Return of Certificate
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* 17 U.S.C. § 506(e): Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 409, or in any written statement filed in connection with the application, shall be fined not more than \$2,500.

CERTIFICATE OF COPYRIGHT REGISTRATION

FORM TX

UNITED STATES COPYRIGHT OFFICE

This certificate, issued under the seal of the Copyright Office in accordance with the provisions of section 410(a) of title 17, United States Code, attests that copyright registration has been made for the work identified below. The information in this certificate has been made a part of the Copyright Office records.

Barbara Ringer

REGISTER OF COPYRIGHTS
United States of America

REGISTRATION NUMBER	
TX	464-574 TXU
EFFECTIVE DATE OF REGISTRATION	
4	21 80
Month	Day Year

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE CONTINUATION SHEET

1 Title	TITLE OF THIS WORK: 1980 Annual Book of ASTM Standards, Part 3; Steel-Plates, Sheet, Strip, Wire; Metallic Coated Products; Fences If a periodical or serial give: Vol. No. Issue Date	PREVIOUS OR ALTERNATIVE TITLES:
	PUBLICATION AS A CONTRIBUTION: (If this work was published as a contribution to a periodical, serial, or collection, give information about the collective work in which the contribution appeared.) Title of Collective Work: Vol. No. Date Pages.....	

2 Author(s)	IMPORTANT: Under the law, the "author" of a "work made for hire" is generally the employer, not the employee (see instructions). If any part of this work was "made for hire" check "Yes" in the space provided, give the employer (or other person for whom the work was prepared) as "Author" of that part, and leave the space for dates blank.							
	1	<table border="1"> <tr> <td>NAME OF AUTHOR: American Society for Testing and Materials Was this author's contribution to the work a "work made for hire"? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></td> <td>DATES OF BIRTH AND DEATH: Born Died</td> </tr> <tr> <td>AUTHOR'S NATIONALITY OR DOMICILE: Citizen of } or { Domiciled in .. U.S.A. (Name of Country) (Name of Country)</td> <td>WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK: Anonymous? Yes No Pseudonymous? Yes No</td> </tr> <tr> <td>AUTHOR OF: (Briefly describe nature of this author's contribution)</td> <td>If the answer to either of these questions is "Yes, see detailed instructions attached.</td> </tr> </table>	NAME OF AUTHOR: American Society for Testing and Materials Was this author's contribution to the work a "work made for hire"? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	DATES OF BIRTH AND DEATH: Born Died	AUTHOR'S NATIONALITY OR DOMICILE: Citizen of } or { Domiciled in .. U.S.A. (Name of Country) (Name of Country)	WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK: Anonymous? Yes No Pseudonymous? Yes No	AUTHOR OF: (Briefly describe nature of this author's contribution)	If the answer to either of these questions is "Yes, see detailed instructions attached.
	NAME OF AUTHOR: American Society for Testing and Materials Was this author's contribution to the work a "work made for hire"? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	DATES OF BIRTH AND DEATH: Born Died						
AUTHOR'S NATIONALITY OR DOMICILE: Citizen of } or { Domiciled in .. U.S.A. (Name of Country) (Name of Country)	WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK: Anonymous? Yes No Pseudonymous? Yes No							
AUTHOR OF: (Briefly describe nature of this author's contribution)	If the answer to either of these questions is "Yes, see detailed instructions attached.							
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3	<table border="1"> <tr> <td>NAME OF AUTHOR: Was this author's contribution to the work a "work made for hire"? Yes No</td> <td>DATES OF BIRTH AND DEATH: Born Died</td> </tr> <tr> <td>AUTHOR'S NATIONALITY OR DOMICILE: Citizen of } or { Domiciled in (Name of Country) (Name of Country)</td> <td>WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK: Anonymous? Yes No Pseudonymous? Yes No</td> </tr> <tr> <td>AUTHOR OF: (Briefly describe nature of this author's contribution)</td> <td>If the answer to either of these questions is "Yes, see detailed instructions attached.</td> </tr> </table>	NAME OF AUTHOR: Was this author's contribution to the work a "work made for hire"? Yes No	DATES OF BIRTH AND DEATH: Born Died	AUTHOR'S NATIONALITY OR DOMICILE: Citizen of } or { Domiciled in (Name of Country) (Name of Country)	WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK: Anonymous? Yes No Pseudonymous? Yes No	AUTHOR OF: (Briefly describe nature of this author's contribution)	If the answer to either of these questions is "Yes, see detailed instructions attached.	
NAME OF AUTHOR: Was this author's contribution to the work a "work made for hire"? Yes No	DATES OF BIRTH AND DEATH: Born Died							
AUTHOR'S NATIONALITY OR DOMICILE: Citizen of } or { Domiciled in (Name of Country) (Name of Country)	WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK: Anonymous? Yes No Pseudonymous? Yes No							
AUTHOR OF: (Briefly describe nature of this author's contribution)	If the answer to either of these questions is "Yes, see detailed instructions attached.							

3 Creation and Publication	YEAR IN WHICH CREATION OF THIS WORK WAS COMPLETED: Year... 1980... (This information must be given in all cases.)	DATE AND NATION OF FIRST PUBLICATION: Date March 15 1980 (Month) (Day) (Year) Nation United States (Name of Country) (Complete this block ONLY if this work has been published.)
-------------------------------	--	--

4 Claimant(s)	NAME(S) AND ADDRESS(ES) OF COPYRIGHT CLAIMANT(S): American Society for Testing and Materials 1916 Race Street Philadelphia, PA. 19103
	TRANSFER: (If the copyright claimant(s) named here in space 4 are different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright.)

- Complete all applicable spaces (numbers 5-11) on the reverse side of this page
- Follow detailed instructions attached
- Sign the form at line 10

DO NOT WRITE HERE
Page 1 of 2 pages

ASTM000111

TX 464-574	EXAMINED BY: <i>LEV</i> CHECKED BY: <i>[Signature]</i>	APPLICATION RECEIVED: APR 21 1980	FOR COPYRIGHT OFFICE USE ONLY
	CORRESPONDENCE: <input type="checkbox"/> Yes	DEPOSIT RECEIVED: APR 21 1980 APR 21 1980	
	DEPOSIT ACCOUNT FUNDS USED: <input type="checkbox"/>	REMITTANCE NUMBER AND DATE: 217631 APR 21 80	

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED ADDITIONAL SPACE, USE CONTINUATION SHEET (FORM TX/CON)

PREVIOUS REGISTRATION: <ul style="list-style-type: none"> Has registration for this work, or for an earlier version of this work, already been made in the Copyright Office? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If your answer is "Yes," why is another registration being sought? (Check appropriate box) <ul style="list-style-type: none"> <input type="checkbox"/> This is the first published edition of a work previously registered in unpublished form. <input type="checkbox"/> This is the first application submitted by this author as copyright claimant. <input type="checkbox"/> This is a changed version of the work, as shown by line 6 of this application. If your answer is "Yes," give: Previous Registration Number <u>TX 278-720</u> Year of Registration <u>1979</u> 	5 Previous Registration
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COMPILATION OR DERIVATIVE WORK: (See instructions) PREEXISTING MATERIAL: (Identify any preexisting work or works that this work is based on or incorporates.) <u>1979 Annual Book of ASTM Standards, Part 3</u> MATERIAL ADDED TO THIS WORK: (Give a brief, general statement of the material that has been added to this work and in which copyright is claimed.) <u>Compilation of previously published text plus additional text</u>	6 Compilation or Derivative Work
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MANUFACTURERS AND LOCATIONS: (If this is a published work consisting preponderantly of nondramatic literary material in English, the law may require that the copies be manufactured in the United States or Canada for full protection. If so, the names of the manufacturers who performed certain processes, and the places where these processes were performed must be given. See instructions for details.) <table style="width: 100%;"> <tr> <td style="width: 50%;">NAMES OF MANUFACTURERS <u>Waverly Press, Inc.</u></td> <td style="width: 50%;">PLACES OF MANUFACTURE <u>Easton, MD</u></td> </tr> </table>	NAMES OF MANUFACTURERS <u>Waverly Press, Inc.</u>	PLACES OF MANUFACTURE <u>Easton, MD</u>	7 Manufacturing
NAMES OF MANUFACTURERS <u>Waverly Press, Inc.</u>	PLACES OF MANUFACTURE <u>Easton, MD</u>		

REPRODUCTION FOR USE OF BLIND OR PHYSICALLY-HANDICAPPED PERSONS: (See instructions) <ul style="list-style-type: none"> Signature of this form at space 10, and a check in one of the boxes here in space 8, constitutes a non-exclusive grant of permission to the Library of Congress to reproduce and distribute solely for the blind and physically handicapped and under the conditions and limitations prescribed by the regulations of the Copyright Office: (1) copies of the work identified in space 1 of this application in Braille (or similar tactile symbols); or (2) phonorecords embodying a fixation of a reading of that work; or (3) both. <p style="text-align: center;"> a <input checked="" type="checkbox"/> Copies and phonorecords b <input type="checkbox"/> Copies Only c <input type="checkbox"/> Phonorecords Only </p>	8 License For Handicapped
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DEPOSIT ACCOUNT: (If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.) Name: _____ Account Number: _____	CORRESPONDENCE: (Give name and address to which correspondence about this application should be sent.) Name: <u>Robert L. Meltzer, ASTM</u> Address: <u>1916 Race Street</u> <u>Philadelphia, PA 19103</u> <small>(City) (State) (ZIP)</small>	9 Fee and Correspondence
---	---	---------------------------------------

CERTIFICATION: * I, the undersigned, hereby certify that I am the: (Check one) <input type="checkbox"/> American Society for Testing and Materials <input type="checkbox"/> author <input type="checkbox"/> other copyright claimant <input type="checkbox"/> owner of exclusive right(s) <input checked="" type="checkbox"/> authorized agent of: <u>Materials</u> <small>(Name of author or other copyright claimant, or owner of exclusive right(s))</small> of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge. Handwritten signature: (X) <i>Robert L. Meltzer</i> Typed or printed name: <u>Robert L. Meltzer</u> Date: <u>3/25/80</u>	10 Certification (Application must be signed)
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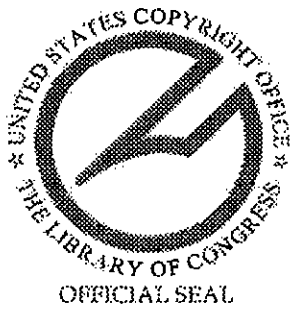
<u>American Society for Testing and Materials</u> <small>(Name)</small> <u>1916 Race Street</u> <small>(Number, Street and Apartment Number)</small> <u>Philadelphia, PA 19103</u> <small>(City) (State) (ZIP code)</small>	MAIL CERTIFICATE TO MAY 30 1980 (Certificate will be mailed in window envelope)	11 Address For Return of Certificate
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CERTIFICATE OF REGISTRATION

FORM SE

For a Serial
UNITED STATES COPYRIGHT OFFICE
REGISTRATION NUMBER



This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

Marybeth Peters
REGISTER OF COPYRIGHTS
United States of America

TX 5-008-019



EFFECTIVE DATE OF REGISTRATION

Month 11 Day 15 Year 99

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1

TITLE OF THIS SERIAL ▼

1999 Annual Book of ASTM Standards, Concrete and Aggregates

Volume ▼	Number ▼	Date on Copies	Frequency of Publication ▼
04.02	04	October 1999	Annual

PREVIOUS OR ALTERNATIVE TITLES ▼

2

a NAME OF AUTHOR ▼
American Society for Testing and Materials

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died

Was this contribution to the work a "work made for hire"?
 Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE
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OR { Citizen of ►
Domiciled in ► United States

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
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Pseudonymous? Yes No

NATURE OF AUTHORSHIP Briefly describe nature of the material created by this author in which copyright is claimed. ▼

Collective Work Other: Entire Text

NOTE

Under the law, the "author" of a "work made for hire" is generally the employer, not the employee (see instructions). For any part of this work that was "made for hire" check "Yes" in the space provided, give the employer (or other person for whom the work was prepared) as "Author" of that part, and leave the space for dates of birth and death blank.

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Year Born ▼ Year Died ▼

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DERIVATIVE WORK OR COMPILATION Complete both space 6a & 6b for a derivative work; complete only 6b for a compilation.

a. **Preexisting Material** Identify any preexisting work or works that this work is based on or incorporates. ▼
1998 Annual Book of ASTM Standards, Section 04, Volume 04.02

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b. **Material Added to This Work** Give a brief, general statement of the material that has been added to this work and in which copyright is claimed.
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Kathe Hooper, American Society for Testing and Materials
100 Barr Harbor Drive
West Conshohocken, PA 19428-2959
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CERTIFICATION* I, the undersigned, hereby certify that I am the
Check only one ▶ author
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Robert L. Meltzer date ▶ 10-27-99

Handwritten signature (S) ▼
Robert L. Meltzer

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05.01	05	February 2000	Annual

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Area Code & Telephone Number ▶ (610) 832-9634

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of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

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Robert L. Meitzer

date ▶

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Robert L. Meitzer

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Kathe Hooper, ASTM

Number/Street/Apartment Number ▼

100 Barr Harbor Drive

City/State/ZIP

West Conshohocken, PA 19428-2959

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Volume ▼	Number ▼	Date on Copies ▼	Frequency of Publication ▼
14-02	14	July	Annual

PREVIOUS OR ALTERNATIVE TITLES ▼

NAME OF AUTHOR ▼

American Society for Testing and Materials

DATES OF BIRTH AND DEATH

Year Born ▼ Year Died ▼

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Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE

Name of Country

OR { Citizen of ▶

Domiciled in ▶ United States

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1999 Annual Book of ASTM Standards, Volume 14.2, Section 14

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100 Barr Harbor Drive
West Conshohocken, PA 19428-2959

Area Code & Telephone Number ▶ (610) 832-9634

Be sure to give your daytime phone number.

CERTIFICATION* I, the undersigned, hereby certify that I am the

Check only one ▶

- author
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- owner of exclusive right(s)
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of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

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Robert L. Meltzer

date ▶ 6/29/99

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Handwritten signature (X) ▼

Robert L. Meltzer

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Number/Street/Apartment Number ▼	100 Barr Harbor Drive
City/State/ZIP ▼	West Conshohocken, PA 19428-2959

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Volume ▼	Number ▼	Date on Cover ▼	Frequency of Publication ▼
10.03	10	May 2000	Annual

PREVIOUS OR ALTERNATIVE TITLES ▼

NAME OF AUTHOR ▼

American Society for Testing and Materials

DATES OF BIRTH AND DEATH

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1999 Annual Book of ASTM Standards, Volume 10.03, Section 10

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DEPOSIT ACCOUNT If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.
Name ▼ Account Number ▼

American Society for Testing and Materials

DA078328

9

CORRESPONDENCE Give name and address to which correspondence about this application should be sent.

Name/Address/Apt/City/State/ZIP ▼

Kathe Hooper, American Society for Testing and Materials

100 Barr Harbor Drive

West Conshohocken, PA 19428-2859

Area Code & Telephone Number ▶ (810) 832-9634

CERTIFICATION* I, the undersigned, hereby certify that I am the

Check only one ▶

- author
- other copyright claimant
- owner of exclusive right(s)
- authorized agent of American Society for Testing & Materials
Name of author or other copyright claimant, or owner of exclusive right(s)

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

Typed or printed name and date ▼ If this application gives a date of publication in space 3, do not sign and submit it before that date.

Robert L. Meltzer

date ▶

Be sure to
give your
daytime phone
number.

10



Handwritten signature (X) ▼

MAIL
CERTIFICATE
TO

Name ▼	Kathe Hooper, ASTM
Number/Street/Apartment Number ▼	100 Barr Harbor Drive
City/State/ZIP ▼	West Conshohocken, PA 19428-2859

Certificate
will be
mailed in
window
envelope

- Complete all necessary spaces
- Sign your application in space 10

1. Application form
2. Nonrefundable \$20 filing fee in check or money order payable to Register of Copyrights
3. Deposit material

Register of Copyrights
Library of Congress
Washington, D.C. 20559

11

The Copyright Office has the authority to adjust fees at 5-year intervals, based on changes in the Consumer Price Index. The next adjustment is due in 1998. Please contact the Copyright Office after July 1997 to determine the actual fee schedule.

*17 U.S.C. § 508(e): Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 409, or in any written statement filed in

CERTIFICATE OF REGISTRATION



This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

Marybeth Peters
 REGISTER OF COPYRIGHTS
 United States of America

FORM SE

For a Serial
 UNITED STATES COPYRIGHT OFFICE

TX 5-202-197



#1-98052821578

EFFECTIVE DATE OF REGISTRATION

11 13 00

Month Day Year

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

1

TITLE OF THIS SERIAL
 2000 ANNUAL BOOK OF ASTM STANDARDS, ANALYTICAL CHEMISTRY AND METALS DEPT, AND RELATED MATERIALS (II): E356 latest; MOLECULAR SPECTROSCOPY; SURFACE ANALYSIS

Volume ▾ Number ▾ Date on Copies ▾ Frequency of Publication ▾
 03.06 03 OCTOBER 2000 ANNUAL

PREVIOUS OR ALTERNATIVE TITLES ▾

2

a NAME OF AUTHOR ▾ American Society for Testing and Materials
 DATES OF BIRTH AND DEATH
 Year Born ▾ Year Died ▾
 Was this contribution to the work a "work made for hire"?
 Yes No
 AUTHOR'S NATIONALITY OR DOMICILE
 Name of Country OR Citizen of ▾ United States
 Domiciled in ▾
 WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
 Anonymous? Yes No
 Pseudonymous? Yes No

NOTE

Under the law, the "author" of a "work made for hire" is generally the employer, not the employee (see instructions). For any part of this work that was "made for hire" check "Yes" in the space provided, give the employer (or other person for whom the work was prepared) as "Author" of that part, and leave the space for dates of birth and death blank.

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed. ▾
 Collective Work Other: Entire Text

b NAME OF AUTHOR ▾
 DATES OF BIRTH AND DEATH
 Year Born ▾ Year Died ▾
 Was this contribution to the work a "work made for hire"?
 Yes No
 AUTHOR'S NATIONALITY OR DOMICILE
 Name of Country OR Citizen of ▾
 Domiciled in ▾
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 Pseudonymous? Yes No

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 Yes No
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 Name of Country OR Citizen of ▾
 Domiciled in ▾
 WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
 Anonymous? Yes No
 Pseudonymous? Yes No

3

a YEAR IN WHICH CREATION OF THIS ISSUE WAS COMPLETED 2000
 This information must be given in all cases.
b DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR ISSUE
 Complete this information ONLY if this work has been published.
 Month ▾ 10 Day ▾ 6 Year ▾ 2000
 United States

4

COPYRIGHT CLAIMANT(S) Name and address must be given even if the claimant is the same as the author given in space 2.
 American Society for Testing and Materials
 100 Barr Harbor Drive
 West Conshohocken, PA 19428-2959
 TRANSFER If the claimant(s) named here in space 4 is (are) different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright. ▾

APPLICATION RECEIVED NOV 13 2000
 ONE DEPOSIT RECEIVED
 TWO DEPOSITS RECEIVED NOV 13 2000
 FUNDS RECEIVED

MORE ON BACK ▾ • Complete all applicable spaces (numbers 5-9) on the reverse side of this page.
 • See detailed instructions. • Sign the form at line 2.

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 Page 1 of 2 pages

ASTM000121

EXAMINED BY *de*

FORM SB

CHECKED BY

CORRESPONDENCE
Yes

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COPYRIGHT
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DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

PREVIOUS REGISTRATION Has registration for this work, or for an earlier version of this work, already been made in the Copyright Office?

Yes No If your answer is "Yes," why is another registration being sought? (Check appropriate box.)

a. This is the first published edition of a work previously registered in unpublished form.

b. This is the first application submitted by this author as copyright claimant.

c. This is a changed version of the work, as shown by space 6 on this application.

If your answer is "Yes," give: Previous Registration Number

Year of Registration

5

DERIVATIVE WORK OR COMPILATION Complete both space 6a and 6b for a derivative work; complete only 6b for a compilation.

Preexisting Material Identify any preexisting work or works that this work is based on or incorporates.

1999 Annual Book of ASTM Standards, Volume 13.02, Section 13

a

6

See instructions
before completing
this space.

Material Added to This Work Give a brief, general statement of the material that has been added to this work and in which copyright is claimed.

Compilation of previous published text plus additional text

b

DEPOSIT ACCOUNT If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.

American Society for Testing and Materials

DA078328

a

7

CORRESPONDENCE Give name and address to which correspondence about this application should be sent.

Kathe Hooper, American Society for Testing and Materials

100 Barr Harbor Drive

West Conshohocken, PA 19428-2959

Area code and daytime telephone number ▶ 610-832-9634

Fax number ▶ 610-832-9635

Email ▶ khooper@astm.org

b

CERTIFICATION I, the undersigned, hereby certify that I am the

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- author
- other copyright claimant
- owner of exclusive right(s)

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

authorized agent of American Society for Testing and Materials
Name of author or other copyright claimant, or owner of exclusive right(s)

8

Typed or printed name and date ▶ If this application gives a date of publication in space 3, do not sign and submit it before that date.

Robert L. Meltzer

Date ▶ 10/24/02

Handwritten signature (X) ▶

X *Robert Meltzer*

Certificate will be mailed in window envelope to this address:

Name	Kathe Hooper, ASTM
Number/Street/Apt	100 Barr Harbor Drive
City/State/ZIP	West Conshohocken, PA 19428-2959

- Complete all necessary spaces
- Sign your application in space 8

1. Application form
2. Nonrefundable filing fee in check or money order As of July 1, 1999,
payable to Registrar of Copyrights
3. Deposit material
the filing fee for Form SB is \$30.
Library of Congress
Copyright Office
101 Independence Avenue, S.E.
Washington, D.C. 20559-8000

9

*17 U.S.C. § 506(e): Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 408, or in any written statement filed in connection with the application, shall be fined not more than \$2,500.
June 1999—50,020
WEB REV: June 1999

U.S. GOVERNMENT PRINTING OFFICE: 1999-454-879/60

CERTIFICATE OF REGISTRATION

FORM SE
For a Serial
UNITED STATES COPYRIGHT OFFICE

TX 5-202-198
#17804262198

EFFECTIVE DATE OF REGISTRATION

11 13 00

Month Day Year



This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

Marybeth Peters

OFFICIAL SEAL

REGISTER OF COPYRIGHTS
United States of America

TE CONTINUATION SHEET.

1

TITLE OF THIS SERIAL
2000 ANNUAL BOOK OF ASTM STANDARDS, BUILDING CONSTRUCTIONS

Volume Number Date on Copies Frequency of Publication

0411 04 NOVEMBER 2000 ANNUAL

PREVIOUS OR ALTERNATIVE TITLES

2

a NAME OF AUTHOR
American Society for Testing and Materials

DATES OF BIRTH AND DEATH
Year Born Year Died

Was this contribution to the work a "work made for hire"?
 Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country
OR Citizen of United States
Domiciled in United States

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymous? Yes No
Pseudonymous? Yes No

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed.
 Collective Work Other: Entire Text

NOTE

Under the law, the "author" of a "work made for hire" is generally the employer, not the employee (see instructions). For any part of this work that was "made for hire" check "Yes" in the space provided, give the employer (or other person for whom the work was prepared) as "Author" of that part, and leave the space for dates of birth and death blank.

b

NAME OF AUTHOR
Was this contribution to the work a "work made for hire"?
 Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country
OR Citizen of
Domiciled in

DATES OF BIRTH AND DEATH
Year Born Year Died
WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymous? Yes No
Pseudonymous? Yes No

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed.
 Collective Work Other:

c

NAME OF AUTHOR
Was this contribution to the work a "work made for hire"?
 Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country
OR Citizen of
Domiciled in

DATES OF BIRTH AND DEATH
Year Born Year Died
WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymous? Yes No
Pseudonymous? Yes No

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed.
 Collective Work Other:

3

a YEAR IN WHICH CREATION OF THIS ISSUE WAS COMPLETED
2000
This information must be given in all cases.

b DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR ISSUE
Month 10 Day 23 Year 2000
United States
Complete this information ONLY if this work has been published.

4

4 COPYRIGHT CLAIMANT(S) Name and address must be given even if the claimant is the same as the author given in space 2.
American Society for Testing and Materials
100 BARR HART DR
West Conshohocken, PA 19428-2959

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TWO DEPOSITS RECEIVED
NOV 13 2000
FUNDS RECEIVED

TRANSFER If the claimant(s) named here in space 4 is (are) different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright.

MORE ON BACK Complete all applicable spaces (numbers 5-9) on the reverse side of this page. See detailed instructions. Sign the form at line 8.

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ASTM000123

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FORM SE

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CORRESPONDENCE
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PREVIOUS REGISTRATION Has registration for this work, or for an earlier version of this work, already been made in the Copyright Office?

Yes No If your answer is "Yes," why is another registration being sought? (Check appropriate box.)

a. This is the first published edition of a work previously registered in unpublished form.

b. This is the first application submitted by this author as copyright claimant.

c. This is a changed version of the work, as shown by space 6 on this application.

If your answer is "Yes," give: Previous Registration Number

Year of Registration

5

DERIVATIVE WORK OR COMPILATION Complete both space 6a and 6b for a derivative work; complete only 6b for a compilation.

Preexisting Material Identify any preexisting work or works that this work is based on or incorporates.

1999 Annual Book of ASTM Standards, Volume 11.1, Section D7.

a 6

See instructions
before completing
this space.

Material Added to This Work Give a brief, general statement of the material that has been added to this work and in which copyright is claimed.

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b

DEPOSIT ACCOUNT If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.

American Society for Testing and Materials

DA078328

a 7

CORRESPONDENCE Give name and address to which correspondence about this application should be sent. Name/Address/Apt./City/State/ZIP

Kathe Hooper, American Society for Testing and Materials

100 Barr Harbor Drive

West Conshohocken, PA 19428-2959

b

Area code and day/night telephone number ▶ 610-832-9634

Fax number ▶ 610-832-9635

Email ▶ khooper@astm.org

CERTIFICATION I, the undersigned, hereby certify that I am the

Check only one ▶

- author
- other copyright claimant
- owner of exclusive right(s)

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

authorized agent of American Society for Testing and Materials
Name of author or other copyright claimant, or owner of exclusive right(s) ▶

8

Typed or printed name and date ▶ If this application gives a date of publication in space 3, do not sign and submit it before that date.

Robert L. Meltzer

Date ▶

10/27/00

Handwritten signature (00) ▶

X Robert L. Meltzer

Certificates will be mailed in window envelope to this address:

Name	Kathe Hooper, ASTM
Number/Street/Apt	100 Barr Harbor Drive
City/State/ZIP	West Conshohocken, PA 19428-2959

• Complete all necessary spaces
• Sign your application in space 8

9

1. Application form
2. Nonrefundable filing fee in check or money order As of July 1, 1999, the filing fee for Form SE is \$30.
3. Deposit material

Library of Congress
Copyright Office
101 Independence Avenue, S.E.
Washington, D.C. 20559-6001

*17 U.S.C. § 505(e): Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 403, or in any written statement filed in connection with the application, shall be fined not more than \$2,500.
June 1999 - \$3,000
WEB REV: June 1999

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FORM SE

For a Serial
UNITED STATES COPYRIGHT OFFICE



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TX 5-202-199



41-00052021798

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11 13 00

Month Day Year

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REGISTER OF COPYRIGHTS

United States of America

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1

TITLE OF THIS SERIAL ▼
2000 ANNUAL BOOK OF ASTM STANDARDS, ATMOSPHERIC ANALYSIS; OCCUPATIONAL HEALTH AND SAFETY; PROTECTIVE CLOTHING

Volume ▼	Number ▼	Date on Copies ▼	Frequency of Publication ▼
11-03	11	October 2000	ANNUAL

PREVIOUS OR ALTERNATIVE TITLES ▼

2

a **NAME OF AUTHOR** ▼
American Society for Testing and Materials

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"?
 Yes No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country
OR { Citizen of ▶ United States
Domiciled in ▶

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymous? Yes No
Pseudonymous? Yes No

NOTE

Under the law, the "author" of a "work made for hire" is generally the employer, not the employee (see instructions). For any part of this work that was "made for hire" check "Yes" in the space provided, give the employer (or other person for whom the work was prepared) as "Author" of that part, and leave the space for dates of birth and death blank.

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed. ▼
 Collective Work Other: Entire Text

b **NAME OF AUTHOR** ▼

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"?
 Yes No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country
OR { Citizen of ▶
Domiciled in ▶

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Pseudonymous? Yes No

c **NAME OF AUTHOR** ▼

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

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 Yes No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country
OR { Citizen of ▶
Domiciled in ▶

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymous? Yes No
Pseudonymous? Yes No

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed. ▼
 Collective Work Other:

3

a **YEAR IN WHICH CREATION OF THIS ISSUE WAS COMPLETED**
2000

b **DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR ISSUE**
Month ▶ 10 Day ▶ 6 Year ▶ 2000
United States

4

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American Society for Testing and Materials
100 BARR STREET, EAST PITTSBURGH, PA 15122-0001
West Conshohocken, PA 19428-2959

TRANSFER If the claimant(s) named here in space 4 is (are) different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright. ▼

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TWO DEPOSITS RECEIVED
NOV 13 2000
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MORE ON BACK ▶
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• See detailed instructions. • Sign the form at line 8.

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Page 1 of 2 pages

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 CHECKED BY _____

FORM SE

CORRESPONDENCE
 Yes

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DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

PREVIOUS REGISTRATION Has registration for this work, or for an earlier version of this work, already been made in the Copyright Office?

Yes No If your answer is "Yes," why is another registration being sought? (Check appropriate box.) ▼

a. This is the first published edition of a work previously registered in unpublished form.

b. This is the first application submitted by this author as copyright claimant.

c. This is a changed version of the work, as shown by space 6 on this application.

If your answer is "Yes," give: Previous Registration Number ▼

Year of Registration ▼

5

DERIVATIVE WORK OR COMPILATION Complete both space 6a and 6b for a derivative work; complete only 6b for a compilation.

Preexisting Material Identify any preexisting work or works that this work is based on or incorporates. ▼

1999 Annual Book of ASTM Standards, Volume 11.03, Section 11

a

6

See Instructions
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 this space.

Material Added to This Work Give a brief, general statement of the material that has been added to this work and in which copyright is claimed. ▼

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DEPOSIT ACCOUNT If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.
 Name ▼ Account Number ▼

American Society for Testing and Materials

DA078328

a

7

CORRESPONDENCE Give name and address to which correspondence about this application should be sent. Name/Address/Apt./City/State/ZIP ▼

Kathe Hooper, American Society for Testing and Materials
 100 Barr Harbor Drive
 West Conshohocken, PA 19428-2959

b

Area code and daytime telephone number ▶ 610-832-9634

Fax number ▶ 610-832-9635

Email ▶ khooper@astm.org

CERTIFICATION* I, the undersigned, hereby certify that I am the

Check only one ▶

- author
- other copyright claimant
- owner of exclusive right(s)

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

authorized agent of American Society for Testing and Materials
 Name of author or other copyright claimant, or owner of exclusive right(s) ▲

8

Typed or printed name and date ▼ If this application gives a date of publication in space 3, do not sign and submit it before that date.

Robert L. Meltzer

Date ▶ 10/27/02

Handwritten signature (X) ▼

X Robert L. Meltzer

Certificate will be mailed in window envelope to this address:

Name ▼
 Kathe Hooper, ASTM

Number/Street/Apt ▼
 100 Barr Harbor Drive

City/State/ZIP ▼
 West Conshohocken, PA 19428-2959

* Complete all necessary spaces
 * Sign your application in space 8

9

1. Application form
 2. Nonrefundable filing fee in check or money order payable to Register of Copyrights
 3. Deposit material

Library of Congress
 Copyright Office
 101 Independence Avenue, S.E.
 Washington, D.C. 20559-6000

As of July 1, 1999, the filing fee for Form SE is \$38.

*17 U.S.C. § 506(a): Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 405, or in any written statement filed in connection with the application, shall be fined not more than \$2,500.
 June 1999—50,000
 WEB REV: June 1999

CERTIFICATE OF REGISTRATION



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Marybeth Peters

FORM SE

For a Serial
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RE

TX 5-345-022



TX1095745922

EFFECTIVE DATE OF REGISTRATION

5 21 01
Month Day Year

OFFICIAL SEAL

REGISTER OF COPYRIGHTS

United States of America

DATE CONTINUATION SHEET.

1

TITLE OF THIS SERIAL ▼

2001 ANNUAL BOOK OF ASTM STANDARDS: WATER (I)

Volume ▼

Number ▼

Date on Copies ▼

Frequency of Publication ▼

11.01

11

APRIL 2001

ANNUAL

PREVIOUS OR ALTERNATIVE TITLES ▼

2

a

NAME OF AUTHOR ▼

American Society for Testing and Materials

DATES OF BIRTH AND DEATH

Year Born ▼

Year Died ▼

Was this contribution to the work a "work made for hire"?

Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE

Name of Country

OR Citizen of ▼

United States

OR Domiciled in ▼

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous? Yes No
Pseudonymous? Yes No

If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed: ▼

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b

NAME OF AUTHOR ▼

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Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE

Name of Country

OR Citizen of ▼

United States

OR Domiciled in ▼

DATES OF BIRTH AND DEATH

Year Born ▼

Year Died ▼

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Collective Work Other:

c

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 No

AUTHOR'S NATIONALITY OR DOMICILE

Name of Country

OR Citizen of ▼

United States

OR Domiciled in ▼

DATES OF BIRTH AND DEATH

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Collective Work Other:

3

a

YEAR IN WHICH CREATION OF THIS ISSUE WAS COMPLETED

2001

This information must be given in all cases.

DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR ISSUE

Month

April

Day

12

Year

2001

Complete this information ONLY if this work has been published.

United States

Nation

4

COPYRIGHT CLAIMANT(S) Name and address must be given even if the claimant is the same as the author given in space 2. ▼

American Society for Testing and Materials
100 Barr Harbor Drive
West Conshohocken, PA 19428-2959

TRANSFER If the claimant(s) named here in space 4 is (are) different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright. ▼

APPLICATION RECEIVED

MAY 21 2001

ONE DEPOSIT RECEIVED

TWO DEPOSITS RECEIVED

MAY 21 2001

FUNDS RECEIVED

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• See detailed instructions. • Sign the form at line 8.

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Page 1 of 2 pages

ASTM000127

EXAMINED BY *P. J. ...*
CHECKED BY *AUD*
 CORRESPONDENCE
Yes

FORM SE
FOR
COPYRIGHT
OFFICE
USE
ONLY

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

PREVIOUS REGISTRATION Has registration for this work, or for an earlier version of this work, already been made in the Copyright Office?

Yes No If your answer is "Yes," why is another registration being sought? (Check appropriate box.) ▼

- a. This is the first published edition of a work previously registered in unpublished form.
- b. This is the first application submitted by this author as copyright claimant.
- c. This is a changed version of the work, as shown by space 6 on this application.

If your answer is "Yes," give: Previous Registration Number ▼ Year of Registration ▼

5

DERIVATIVE WORK OR COMPILATION Complete both space 6a and 6b for a derivative work; complete only 6b for a compilation.
Preexisting Material Identify any preexisting work of works that this work is based on or incorporates. ▼

2000 Annual Book of ASTM Standards, Section II Volume 14.01

Material Added to This Work Give a brief, general statement of the material that has been added to this work and in which copyright is claimed. ▼

Compilation of previous published text plus additional text.

a 6
See instructions before completing this space.

DEPOSIT ACCOUNT If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.
Name ▼ Account Number ▼

American Society for Testing and Materials DA078328

CORRESPONDENCE Give name and address to which correspondence about this application should be sent. Name/Address/Apt/City/State/ZIP ▼

Kathe Hooper, American Society for Testing and Materials
100 Barr Harbor Drive
West Conshohocken, PA 19428-2959

Area code and daytime telephone number ▶ 610-832-9634

Fax number ▶ 610-832-9635

Email ▶ khooper@astm.org

CERTIFICATION I, the undersigned, hereby certify that I am the

Check only one ▶

- author
- other copyright claimant
- owner of exclusive right(s)

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

authorized agent of American Society for Testing and Materials
Name of author or other copyright claimant, or owner of exclusive right(s) ▲

Typed or printed name and date ▼ If this application gives a date of publication in space 3, do not sign and submit it before that date.

Robert L. Meltzer

Date ▶ 5/10/01

Handwritten signature (X) ▼

X *Robert L. Meltzer*

8

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Name ▼
Kathe Hooper, ASTM
Number/Street/Apt ▼
100 Barr Harbor Drive
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As of July 1, 1999, the filing fee for Form SE is \$30.

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June 1999—50,000
WEB REV. June 1999
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Marybeth Peters

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REGISTER OF COPYRIGHTS

E CONTINUATION SHEET.

TITLE OF THIS SERIAL

2001 ANNUAL BOOK OF ASTM STANDARDS: ROAD AND PAVING MATERIALS; VEHICLE, PAVEMENT SYSTEMS

Volume	Number	Date on Copies	Frequency of Publication
04-03	04	JUNE 2001	ANNUAL

PREVIOUS OR ALTERNATIVE TITLES

2 a

NAME OF AUTHOR American Society for Testing and Materials	DATES OF BIRTH AND DEATH Year Born Year Died
Was this contribution to the work a "work made for hire"? <input type="checkbox"/> Yes <input type="checkbox"/> No	AUTHOR'S NATIONALITY OR DOMICILE Name of Country OR Citizen of <u>United States</u> Domiciled in:
WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK Anonymous? <input type="checkbox"/> Yes <input type="checkbox"/> No Pseudonymous? <input type="checkbox"/> Yes <input type="checkbox"/> No	

NOTE

Refer the law to "author of work made for hire" is generally the employer, not the employee see instructions. For every part of this work that was made for hire mark "Yes" in the space provided, give the employer or other person for whom the work was prepared as "author" of that part, and give the date of birth and death blank.

b

NAME OF AUTHOR	DATES OF BIRTH AND DEATH Year Born Year Died
Was this contribution to the work a "work made for hire"? <input type="checkbox"/> Yes <input type="checkbox"/> No	AUTHOR'S NATIONALITY OR DOMICILE Name of Country OR Citizen of Domiciled in:
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c

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YEAR IN WHICH CREATION OF THIS ISSUE WAS COMPLETED 2001

DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR ISSUE Month: JUNE Day: 4 Year: 2001 Nation: United States

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This is the first application submitted by this author as copyright claimant.

This is a changed version of the work, as shown by space 6 on this application.

or answer is "Yes," give: Previous Registration Number ▾

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5

DERIVATIVE WORK OR COMPILATION Complete both space 6a and 6b for a derivative work; complete only 6b for a compilation.
Identify any preexisting work or works that this work is based on or incorporates. ▾

100 Annual Book of ASTM Standards, Section 04 Volume 04.03

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American Society for Testing and Materials

DA078328

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Fax number ▶

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Robert L. Meltzer

Date ▶ 6/2/01

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X *Robert L. Meltzer*

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Kathe Hooper, ASTM

Number/Street/Apt ▾

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If U.S.C. § 506(c): Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 408, or in any written statement filed in connection with the application, shall be fined not more than \$2,500.

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1 TITLE OF THIS SERIAL *2001 ANNUAL BOOK OF ASTM STANDARDS: WATER (11)*

Volume	Number	Date on Copies	Frequency of Publication
<i>H.02</i>	<i>11</i>	<i>MAY 2001</i>	<i>ANNUAL</i>

PREVIOUS OR ALTERNATIVE TITLES

2 a NAME OF AUTHOR *American Society for Testing and Materials* DATES OF BIRTH AND DEATH
Year Born Year Died

Was this contribution to the work a "work made for hire"? Yes No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country: *United States*
OR Citizen of *United States*
Domiciled in

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymous? Yes No
Pseudonymous? Yes No

NOTE Under the law, the "author" of "work made for hire" is generally the employer, not the employee (see instructions). For any work that was made for hire, check "Yes" in the space provided, give the employer or other person for whom the work was prepared as "Author" of her part, and save the page for dates of birth and death blank.

b NAME OF AUTHOR DATES OF BIRTH AND DEATH
Year Born Year Died

Was this contribution to the work a "work made for hire"? Yes No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country
OR Citizen of
Domiciled in

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymous? Yes No
Pseudonymous? Yes No

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed.
 Collective Work Other: *Entire Test*

c NAME OF AUTHOR DATES OF BIRTH AND DEATH
Year Born Year Died

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AUTHOR'S NATIONALITY OR DOMICILE
Name of Country
OR Citizen of
Domiciled in

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
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Pseudonymous? Yes No

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3 a YEAR IN WHICH CREATION OF THIS ISSUE WAS COMPLETED *2001* This information must be given in all cases.

b DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR ISSUE
Month *MAY* Day *18* Year *2001*
NATION *United States*

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*American Society for Testing and Materials
100 Barr Harbor Drive
West Conshohocken, PA 19428-2959*

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This is the first application submitted by this author as copyright claimant.

This is a changed version of the work, as shown by space 6 on this application.

If your answer is "Yes," give: Previous Registration Number

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DERIVATIVE WORK OR COMPILATION Complete both space 6a and 6b for a derivative work; complete only 6b for a compilation.
Existing Material Identify any preexisting work or works that this work is based on or incorporates.

1000 Annual Book of ASTM Standards, Section 11 Volume 11.02

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American Society for Testing and Materials

DA078328

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Kathe Hooper, American Society for Testing and Materials

100 Barr Harbor Drive

West Conshohocken, PA 19428-2959

Area code and daytime telephone number 610-832-9634

Fax number

610-832-9635

Mail khooper@astm.org

CERTIFICATION I, the undersigned, hereby certify that I am the

Check only one

- author
- other copyright claimant
- owner of exclusive right(s)
- authorized agent of American Society for Testing and Materials

if the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

Name of author or other copyright claimant, or owner of exclusive right(s)

Typed or printed name and date If this application gives a date of publication in space 3, do not sign and submit it before that date.

Robert L. Meltzer

Date 6/20/01

Handwritten signature (X)

X *[Handwritten signature]*

8

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Number/Street/Apt **100 Barr Harbor Drive**

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WEB REV. June 1999

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Textiles (I): D76 - D3218

Volume ▼	Number ▼	Date or Copies ▼	Frequency of Publication ▼
<i>07</i>	<i>01</i>	<i>December 2001</i>	<i>Annual</i>

PREVIOUS OR ALTERNATIVE TITLES ▼

2

NAME OF AUTHOR ▼
American Society for Testing and Materials

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"?
 Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country
OR
Citizen of ▼
Domiciled in ▼ *United States*

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymous? Yes No
Pseudonymous? Yes No

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed. ▼
 Collective Work Other: *Entire Text*

NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"?
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 No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country
OR
Citizen of ▼
Domiciled in ▼

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Name of Country
OR
Citizen of ▼
Domiciled in ▼

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymous? Yes No
Pseudonymous? Yes No

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed. ▼
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United States

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West Conshohocken, PA 19428-2959*

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Kathe Hooper, American Society for Testing and Materials
100 Barr Harbor Drive
West Conshohocken, PA 19428-2939

Area code and daytime telephone number 610-832-9634 Fax number 610-832-9635

E-mail khooper@astm.org

CERTIFICATION I, the undersigned, hereby certify that I am the

Check only one

- author
- other copyright claimant
- owner of exclusive right(s)
- authorized agent of American Society for Testing and Materials

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

Name of author or other copyright claimant, or owner of exclusive right(s)

Typed or printed name and date If this application gives a date of publication in space 5, do not sign and submit it before that date.

Robert L. Meltzer

Date 11/9/01

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Robert L. Meltzer

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Volume ▼	Number ▼	Date on Copies ▼	Frequency of Publication ▼
<i>08</i>	<i>02</i>	<i>JUNE 2002</i>	Annual

PREVIOUS OR ALTERNATIVE TITLES ▼

2

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Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"? <input type="checkbox"/> Yes <input type="checkbox"/> No	AUTHOR'S NATIONALITY OR DOMICILE Name of Country: OR { Citizen of <u>United States</u> Domiciled in: <u>United States</u>	WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK Anonymous? <input type="checkbox"/> Yes <input type="checkbox"/> No Pseudonymous? <input type="checkbox"/> Yes <input type="checkbox"/> No
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NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed. ▼
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NOTE

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United States Nation

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-200 Annual Book of ASTM Standards, Section 08, Volume 02

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CORRESPONDENCE Give name and address to which correspondence about this application should be sent. Name/Address/Apt/City/State/ZIP ▾

Kathe Hooper, American Society for Testing and Materials
 100 Barr Harbor Drive
 West Conshohocken, PA 19428-2959

Ask code and daytime telephone number ▶ 610-832-9634

Fax number ▶ 610-832-9635

E-mail ▶ khooper@astm.org

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- author
- other copyright claimant
- owner of exclusive right(s)

owner of the work identified in this application and that the statements made herein in this application are correct to the best of my knowledge.

I authorized agent of American Society for Testing and Materials
 Name of author or other copyright claimant, or owner of exclusive right(s) ▲

Typed as printed name and date ▾ If this application gives a date of publication in space 3, do not sign and submit it before that date.

Robert L. Melizer

Date ▶ 7-20-02

Handwritten signature (X) ▶ Robert L. Melizer

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 Kathe Hooper, ASTM International
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 West Conshohocken, PA 19428-2959

- Complete all necessary spaces
- Sign your application in space 8

1. Application form
 2. Nonrefundable filing fee in check or money order payable to Registrar of Copyrights
 3. Deposit material
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 Copyright Office
 101 Independence Avenue, S.E.
 Washington, D.C. 20559-6000

9
 As of July 1, 1999, the filing fee for Form SE is \$39.

* U.S.C. § 506(e): Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 408, or in any written statement filed in connection with the application, shall be fined not more than \$2,500.
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CERTIFICATE OF REGISTRATION



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Marybeth Peters

REGISTER OF COPYRIGHTS
United States of America

FORM SE

For a Serial
UNITED STATES COPYRIGHT OFFICE

TX 5-641-808
47980541904

NOV - 7 2002

Month Day Year

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1 TITLE OF THIS SERIAL ▼
2002 Annual Book of ASTM Standards: *SPORTS EQUIPMENT; SAFETY AND TRACTION FOR FOOTWEAR; AMUSEMENT RIDES; CONSUMER PRODUCTS*

Volume ▼	Number ▼	Date on Copies ▼	Frequency of Publication ▼
15.07	15	NOVEMBER	Annual

PREVIOUS OR ALTERNATIVE TITLES ▼

2 a NAME OF AUTHOR ▼
American Society for Testing and Materials

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"?
 Yes No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country: OR { Citizen of: United States
Domiciled in: United States

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymous? Yes No
Pseudonymous? Yes No

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed. ▼
 Collective Work Other: Entire Text

NOTE

Under the law, the "author" of a "work made for hire" is generally the employer, not the employee (see instructions). For any part of this work that was "made for hire" check "Yes" in the space provided, give the employer (or other person for whom the work was prepared) as "Author" of that part, and leave the space for dates of birth and death blank.

b NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"?
 Yes No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country: OR { Citizen of:
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Anonymous? Yes No
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 Collective Work Other:

3 a YEAR IN WHICH CREATION OF THIS ISSUE WAS COMPLETED
2002

b DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR ISSUE
Month: Oct Day: 19 Year: 2002
United States

4 COPYRIGHT CLAIMANT(S) Name and address must be given even if the claimant is the same as the author given in space 2. ▼
American Society for Testing and Materials
100 Barr Harbor Drive
West Conshohocken, PA 19428-2959

TRANSFER If the claimant(s) named here in space 4 is (are) different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright. ▼

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• See detailed instructions. • Sign the form at line 8.

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EXAMINED BY B FORM SE
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 CORRESPONDENCE
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DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

PREVIOUS REGISTRATION Has registration for this work, or for an earlier version of this work, already been made in the Copyright Office?

Yes No If your answer is "Yes," why is another registration being sought? (Check appropriate box.) ▼

- a. This is the first published edition of a work previously registered in unpublished form.
- b. This is the first application submitted by this author as copyright claimant.
- c. This is a changed version of the work, as shown by space 6 on this application.

If your answer is "Yes," give: Previous Registration Number ▼ Year of Registration ▼

5

DERIVATIVE WORK OR COMPILATION Complete both space 6a and 6b for a derivative work; complete only 6b for a compilation.

Preexisting Material Identify any preexisting work or works that this work is based on or incorporates. ▼

2001 Annual Book of ASTM Standards, Section 15, Volume 15, 07

a

6

See instructions before completing this space.

Material Added to This Work Give a brief, general statement of the material that has been added to this work and in which copyright is claimed. ▼

Compilation of previous published text plus additional text

b

DEPOSIT ACCOUNT If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.
 Name ▼ Account Number ▼

American Society for Testing and Materials DA078328

a

7

CORRESPONDENCE Give name and address to which correspondence about this application should be sent. Name/Address/Apt./City/State/ZIP ▼

Kathe Hooper, American Society for Testing and Materials

100 Barr Harbor Drive
 West Conshohocken, PA 19428-2959

b

Area code and daytime telephone number ▶ 610-832-9634

Fax number ▶ 610-832-9635

Email ▶ khooper@astm.org

CERTIFICATION I, the undersigned, hereby certify that I am the

Check only one ▶

- author
- other copyright claimant
- owner of exclusive right(s)

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

authorized agent of American Society for Testing and Materials
 Name of author or other copyright claimant, or owner of exclusive right(s) ▲

8

Typed or printed name and date ▼ If this application gives a date of publication in space 3, do not sign and submit it before that date.

Robert L. Meltzer

Date ▶ 11/5/02

Handwritten signature (X) ▼
 X Robert L. Meltzer

Certificate will be mailed in window envelope to this address:

Name ▼
 Kathe Hooper, ASTM International

Number/Street/Apt. ▼
 100 Barr Harbor Drive

City/State/ZIP ▼
 West Conshohocken, PA 19428-2959

- Complete all necessary spaces
- Sign your application in space 8

9

1. Application form
2. Nonrefundable filing fee in check or money order payable to Register of Copyrights
3. Deposit material

As of July 1, 1999, the filing fee for Form SE is \$38.

Library of Congress
 Copyright Office
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 Washington, D.C. 20540-6000

CERTIFICATE OF REGISTRATION

FORM SE

For a Serial

PRICE _____



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TX 5-641-809

Marybeth Peters

REGISTER OF COPYRIGHTS
 United States of America

EFFECTIVE DATE OF REGISTRATION

NOV - 7 2002

Month Day Year

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1 TITLE OF THIS SERIAL ▼
 2002 Annual Book of ASTM Standards: *BUILDING CONSTRUCTION (E): E72 - E1670*

Volume ▼	Number ▼	Date on Copies ▼	Frequency of Publication ▼
<i>04.11</i>	<i>04</i>	<i>NOVEMBER</i>	Annual

PREVIOUS OR ALTERNATIVE TITLES ▼

2 a NAME OF AUTHOR ▼ American Society for Testing and Materials

DATES OF BIRTH AND DEATH
 Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"? <input type="checkbox"/> Yes <input type="checkbox"/> No	AUTHOR'S NATIONALITY OR DOMICILE Name of Country OR { Citizen of _____ Domiciled in: <i>United States</i>	WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK Anonymously? <input type="checkbox"/> Yes <input type="checkbox"/> No Pseudonymously? <input type="checkbox"/> Yes <input type="checkbox"/> No
--	--	---

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed. ▼
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NOTE

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 Collective Work Other:

3 a YEAR IN WHICH CREATION OF THIS ISSUE WAS COMPLETED 2002
This information must be given in all cases.

b DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR ISSUE
 Month: *NOV.* Day: *7* Year: 2002
 United States Nation

4 COPYRIGHT CLAIMANT(S) Name and address must be given even if the claimant is the same as the author given in space 2. ▼
 American Society for Testing and Materials
 100 Barr Harbor Drive
 West Conshohocken, PA 19428-2959

See instructions before completing this space.

TRANSFER If the claimant(s) named here in space 4 is (are) different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright. ▼

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 Page 1 of _____ pages

EXAMINED BY *[Signature]*

FORM SE

CHECKED BY *[Signature]*

CORRESPONDENCE
Yes

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Yes No If your answer is "Yes," why is another registration being sought? (Check appropriate box.) ▾

a. This is the first published edition of a work previously registered in unpublished form.

b. This is the first application submitted by this author as copyright claimant.

c. This is a changed version of the work, as shown by space 6 on this application.

If your answer is "Yes," give: Previous Registration Number ▾

Year of Registration ▾

5

DERIVATIVE WORK OR COMPILATION Complete both space 6a and 6b for a derivative work; complete only 6b for a compilation.

Preexisting Material Identify any preexisting work or works that this work is based on or incorporates. ▾

2001 Annual Book of ASTM Standards, Section *04*, Volume *04.11*

a

6

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before completing
this space.

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DEPOSIT ACCOUNT If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.

Name ▾

Account Number ▾

American Society for Testing and Materials

DA078328

a

7

CORRESPONDENCE Give name and address to which correspondence about this application should be sent. Name/Address/Apt./City/State/ZIP ▾

Kathe Hooper, American Society for Testing and Materials

100 Barr Harbor Drive

West Conshohocken, PA 19428-2959

b

Area code and daytime telephone number ▶ 610-832-9634

Fax number ▶ 610-832-9635

Email ▶ khooper@astm.org

CERTIFICATION I, the undersigned, hereby certify that I am the

Check only one ▶

- author
- other copyright claimant
- owner of exclusive right(s)
- authorized agent of American Society for Testing and Materials

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

Name of author or other copyright claimant, or owner of exclusive right(s) ▲

8

Typed or printed name and date ▾ If this application gives a date of publication in space 3, do not sign and submit it before that date.

Robert L. Meltzer

Date ▶ 11/5/02

Handwritten signature DO ▾

[Handwritten signature]

Certificate will be mailed in window envelope to this address:

Name ▾	Kathe Hooper, ASTM International
Number/Street/Apt ▾	100 Barr Harbor Drive
City/State/ZIP ▾	West Conshohocken, PA 19428-2959

- Complete all necessary spaces
- Sign your application in space 8

1. Application form
2. Nonrefundable filing fee in check or money order As of July 1, 1999, payable to Register of Copyrights
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Copyright Office
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the filing fee for Form SE is \$30.

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Marybeth Peters

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United States of America

FORM SE

For a Serial
UN
RE TX 5-785-473



EFFECTIVE DATE OF REGISTRATION

Month 5 Day 21 Year 03

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1

TITLE OF THIS SERIAL ▼
2003 Annual Book of ASTM Standards *WATER (F)*

Volume ▼	Number ▼	Date on Copies ▼	Frequency of Publication ▼
<i>1101</i>	<i>11</i>	<i>APRIL 2003</i>	Annual

PREVIOUS OR ALTERNATIVE TITLES ▼

2

a **NAME OF AUTHOR** ▼
American Society for Testing and Materials

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"?
 Yes No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country: United States
OR
Citizen of: _____
Domiciled in: _____

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymous? Yes No
Pseudonymous? Yes No

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed. ▼
 Collective Work Other: Entire Text

NOTE

Under the law the "author" of a "work made for hire" is generally the employer not the employee (see instructions). For any part of this work that was "made for hire" check "Yes" in the space provided give the employer (or other person for whom the work was prepared) as "Author" of that part and leave the space for dates of birth and death blank.

b **NAME OF AUTHOR** ▼

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Year Born ▼ Year Died ▼

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OR
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OR
Citizen of: _____
Domiciled in: _____

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Pseudonymous? Yes No

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 Collective Work Other: _____

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a **YEAR IN WHICH CREATION OF THIS ISSUE WAS COMPLETED**
2003 Year

b **DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR ISSUE**
Complete this information ONLY if this work has been published.
Month: 4 Day: 15 Year: 2003
United States Nation

4

COPYRIGHT CLAIMANT(S) Name and address must be given even if the claimant is the same as the author given in space 2. ▼
American Society for Testing and Materials
100 Barr Harbor Drive PO Box C 700
West Conshohocken, PA 19428-2959

TRANSFER If the claimant(s) named here in space 4 is (are) different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright. ▼

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Page 1 of 2 pages

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FORM SE

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COPYRIGHT
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ONLY

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PREVIOUS REGISTRATION Has registration for this work, or for an earlier version of this work, already been made in the Copyright Office?

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b. This is the first application submitted by this author as copyright claimant.

c. This is a changed version of the work, as shown by space 6 on this application.

If your answer is "Yes" give Previous Registration Number Year of Registration

785 531 951

2002

5

DERIVATIVE WORK OR COMPILATION Complete both space 6a and 6b for a derivative work, complete only 6b for a compilation.

Preexisting Material Identify any preexisting work or works that this work is based on or incorporates

2002 Annual Book of ASTM Standards, Section 11 Volume 11.01

a

6

See instructions
before completing
this space

Material Added to This Work Give a brief, general statement of the material that has been added to this work and in which copyright is claimed

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b

DEPOSIT ACCOUNT If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.

American Society for Testing and Materials

DA078328

a

7

CORRESPONDENCE Give name and address to which correspondence about this application should be sent.

Kathe Hooper, American Society for Testing and Materials

100 Barr Harbor Drive, PO Box C700

West Conshohocken, PA 19428-2959

Area code and daytime telephone number 610-832-9634

Fax number

610-832-9635

E-mail

khooper@astm.org

b

CERTIFICATION I, the undersigned, hereby certify that I am the

Check only one

author

other copyright claimant

owner of exclusive right(s)

authorized agent of American Society for Testing and Materials

Name of author or other copyright claimant, or owner of exclusive right(s)

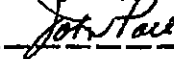
of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

Typed or printed name and date If this application gives a date of publication in space 3 do not sign and submit it before that date

John Pace

Date 5-14-03

Handwritten Signature

X 

8

Certificate will be mailed in window envelope to this address

Name

Kathe Hooper ASTM

Number/Street/Apt

100 Barr Harbor Drive, PO Box C700

City/State/ZIP

West Conshohocken, PA 19428-2959

Complete all necessary spaces
Sign your application in space 8

9

1. Application form
2. Nonrefundable filing fee in check or money order As of July 1 1998 the filing fee for Form SE is \$30
3. Deposit material
Library of Congress
Copyright Office
101 Independence Avenue, S E
Washington, D.C. 20540-4000

*17 U.S.C. § 800(e): Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 408 or in any written statement filed in connection with the application shall be fined not more than \$2,000
June 1999—00 000
WEB REV June 1999
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U.S. GOVERNMENT PRINTING OFFICE: 1999-464-879/00

ASTM000142

Certificate of Registration



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Marybeth Peters
 Register of Copyrights, United States of America

FORM SE

For a Serial
 UNITED STATES COPYRIGHT OFFICE

TX 5-929-682



EFFECTIVE DATE OF REGISTRATION

03 30 04
 Month Day Year

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1

TITLE OF THIS SERIAL ▼

2004 Annual Book of ASTM Standards: *Soil and Rock (S): D420-D5611*

Volume ▼

04.08

Number ▼

04

Date on Copy ▼

MARCH 2004

Frequency of Publication ▼

Annual

PREVIOUS OR ALTERNATIVE TITLES ▼

2

a NAME OF AUTHOR ▼

ASTM International

DATES OF BIRTH AND DEATH

Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"?

Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE

Name of Country

OR Citizen of ▼ United States
 OR Domiciled in: _____

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous? Yes No
 Pseudonymous? Yes No

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Collective Work Other: _____

3

a YEAR IN WHICH CREATION OF THIS ISSUE WAS COMPLETED

2004

This information must be given in all cases.

b DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR ISSUE

Complete this information ONLY if this work has been published.

Month: March Day: 26 Year: 2004

United States

4

4 COPYRIGHT CLAIMANT(S) Name and address must be given even if the claimant is the same as the author given in space 2. ▼

ASTM International
 100 Barr Harbor Drive, PO Box C 700
 West Conshohocken, PA 19428-2959

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APPLICATION RECEIVED

MAR 30 2004

ONE DEPOSIT RECEIVED

MAR 30 2004

TWO DEPOSITS RECEIVED

MAR 30 2004

FUNDS RECEIVED

MORE ON BACK ▶

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 • See detailed instructions. • Sign the form at line 5.

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Page 1 of 2 pages

ASTM000143

EXAMINED BY [Signature] FORM 58
 CHECKED BY _____
 CORRESPONDENCE
 Yes _____

FOR
COPYRIGHT
OFFICE
USE
ONLY

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

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Preexisting Material Identify any preexisting work or works that this work is based on or incorporates.

2003 ANNUAL BOOK OF ASTM STANDARDS, SECTION 01, VOLUME 01.02

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Compilation of previous published text plus additional text

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Account Number

American Society for Testing and Materials

DA078328

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Kathe Hooper, ASTM International

100 Barr Harbor Drive, PO Box C700

West Conshohocken, PA 19428-2959

Area code and daytime telephone number 610-832-9634

Fax number

610-832-9635

E-mail

khooper@astm.org

CERTIFICATION I, the undersigned, hereby certify that I am the

Check only one:

- author
 other copyright claimant
 owner of exclusive rights)

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

authorized agent of ASTM International

Name of author or other copyright claimant, or owner of exclusive right(s)

Typed or printed name and date If this application gives a date of publication in space 3, do not sign and submit it before that date.

John Pace

Date

3/26/04

Handwritten signature (X)

[Signature]

Certificate will be mailed in window envelope to this address:

Name Kathe Hooper, ASTM International
 Number/Street/Apt. 100 Barr Harbor Drive, PO Box C700
 City/State/ZIP West Conshohocken, PA 19428-2959

- Complete all necessary spaces
- Sign your application in space 6

1. Application fee
 2. Non-refundable filing fee in check or money order payable to Registrar of Copyrights
 3. Deposit material
 Library of Congress
 Copyright Office
 101 Independence Avenue, S.E.
 Washington, D.C. 20540-8000

9
 As of July 1, 1998, the filing fee for Form 58 is \$35.

*17 U.S.C. § 506(a): Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 408, or in any written statement filed in connection with the application, shall be fined not more than \$2,500.
 June 1989—20,000
 WEB REV: June 1999
 U.S. GOVERNMENT PRINTING OFFICE: 1989-464-87890

Certificate of Registration



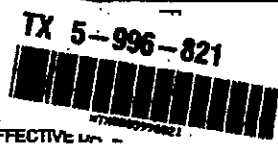
This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

Margbeth Peters

Register of Copyrights, United States of America

FORM SE

For a Serial:
UNITED STATES COPYRIGHT OFFICE



EFFECTIVE DATE
6 29 04
Month Day Year

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE USE A SEPARATE CONTINUATION SHEET

1

TITLE OF THIS SERIAL ▼

2004 Annual Book of ASTM Standards *PLASTICS (III), D4329-19 TEST*

Volume ▼

0803

Number ▼

08

Date on Copies ▼

July 2004

Frequency of Publication ▼

Annual

PREVIOUS OR ALTERNATIVE TITLES ▼

2

a NAME OF AUTHOR ▼

ASTM International

DATES OF BIRTH AND DEATH

Year Born ▼ Year Died ▼

Was this contribution to the work a work made for hire? Yes No

AUTHOR'S NATIONALITY OR DOMICILE

Name of Country

OR Citizen of United States
Domiciled in

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous? Yes No
Pseudonymous? Yes No

If the answer to either of these questions is "Yes" see detailed instructions

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed ▼

Collective Work Other Entire Text

NOTE

Under the law the author of a work made for hire is generally the employer not the employee (see instructions) For any part of this work that was made for hire check Yes in the space provided give the employer (or other person for whom the work was prepared) as Author of that part and leave the space for dates of birth and death blank

b NAME OF AUTHOR ▼

Was this contribution to the work a work made for hire? Yes No

AUTHOR'S NATIONALITY OR DOMICILE

Name of Country

OR Citizen of United States
Domiciled in

DATES OF BIRTH AND DEATH

Year Born ▼ Year Died ▼

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous? Yes No
Pseudonymous? Yes No

If the answer to either of these questions is "Yes" see detailed instructions

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed ▼

Collective Work Other

c NAME OF AUTHOR ▼

Was this contribution to the work a work made for hire? Yes No

AUTHOR'S NATIONALITY OR DOMICILE

Name of Country

OR Citizen of United States
Domiciled in

DATES OF BIRTH AND DEATH

Year Born ▼ Year Died ▼

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous? Yes No
Pseudonymous? Yes No

If the answer to either of these questions is "Yes" see detailed instructions

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed ▼

Collective Work Other

3

a YEAR IN WHICH CREATION OF THIS

ISSUE WAS COMPLETED

2004

This information must be given in all cases.

b DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR ISSUE

Complete this information ONLY if this work has been published.

Month JUNE Day 25 Year 2004

United States

4

COPYRIGHT CLAIMANT(S) Name and address must be given even if the claimant is the same as the author given in space 2 ▼

ASTM International
100 Barr Harbor Drive PO Box C 700
West Conshohocken, PA 19428 2959

TRANSFER If the claimant(s) named here in space 4 is (are) different from the author(s) named in space 2 give a brief statement of how the claimant(s) obtained ownership of the copyright ▼

APPLICATION RECEIVED
JUN 29 2004
ONE DEPOSIT RECEIVED
TWO DEPOSITS RECEIVED
JUN 29 2004
FUNDS RECEIVED

DO NOT WRITE HERE OFFICE USE ONLY

MORE ON BACK ►

Complete all applicable spaces (numbers 5-9) on the reverse side of this page. See detailed instructions. Sign the form at line 8.

DO NOT WRITE HERE
Page 1 of 2 pages

ASTM000145

EXAMINED BY FORM SE
 CHECKED BY
 CORRESPONDENCE
 Yes

FOR
COPYRIGHT
OFFICE
USE
ONLY

DO NOT WRITE ABOVE THIS LINE IF YOU NEED MORE SPACE USE A SEPARATE CONTINUATION SHEET

PREVIOUS REGISTRATION Has registration for this work or for an earlier version of this work already been made in the Copyright Office?

Yes No If your answer is Yes why is another registration being sought? (Check appropriate box) ▼

a This is the first published edition of a work previously registered in unpublished form

b This is the first application submitted by this author as copyright claimant

c This is a changed version of the work as shown by space 6 on this application

If your answer is Yes give Previous Registration Number ▼ Year of Registration ▼
TX 5 794 777 2003

5

DERIVATIVE WORK OR COMPILATION Complete both space 6a and 6b for a derivative work complete only 6b for a compilation
 Preexisting Material Identify any preexisting work or works that this work is based on or incorporates ▼

2003 Annual Book of ASTM Standards Section 08 Volume 08-03

a 6

Material Added to This Work Give a brief general statement of the material that has been added to this work and in which copyright is claimed ▼

Compilation of previous published text plus additional text

b See instructions before completing this space

DEPOSIT ACCOUNT If the registration fee is to be charged to a Deposit Account established in the Copyright Office give name and number of Account Name ▼ Account Number ▼

American Society for Testing and Materials DA078328

a 7

CORRESPONDENCE Give name and address to which correspondence about this application should be sent Name/Address/Apt/City/State/ZIP ▼

Kathe Hooper ASTM International
100 Barr Harbor Drive PO Box C700
West Conshohocken PA 19428 2959

Area code and daytime telephone number ▶ 610 832 9634 Fax number ▶ 610 832 9635

Email ▶ khooper@astm.org

b

CERTIFICATION I the undersigned hereby certify that I am the

Check only one ▶

- author
- other copyright claimant
- owner of exclusive right(s)
- authorized agent of ASTM International

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge

Name of author or other copyright claimant, or owner of exclusive right(s) ▲

Typed or printed name and date ▼ If this application gives a date of publication in space 3 do not sign and submit it before that date

John Pace

Date ▶ 6-25-04

8

Handwritten signature (X) ▼

X [Signature]

Certificate will be mailed in window envelope to this address

Name ▼
Kathe Hooper ASTM International

Number/Street/Apt ▼
100 Barr Harbor Drive PO Box C700

City/State/ZIP ▼
West Conshohocken, PA 19428 2959

Complete all necessary spaces Sign your application in space 8

- 1 Application form
 - 2 Nonrefundable filing fee in check or money order payable to Register of Copyrights As of July 1 1999
 - 3 Deposit material
- Library of Congress Copyright Office 101 Independence Avenue S E Washington D C 20558-6000
- the filing fee for Form #2 is \$38

9

CERTIFICATE OF COPYRIGHT REGISTRATION

FORM TX

UNITED STATES COPYRIGHT OFFICE

This certificate, issued under the seal of the Copyright Office in accordance with the provisions of section 410(a) of title 17, United States Code, attests that copyright registration has been made for the work identified below. The information in this certificate has been made a part of the Copyright Office records.

David L. Ladd

REGISTER OF COPYRIGHTS
United States of America

REGISTRATION NUMBER	
TX	534-158
TX	TXU
EFFECTIVE DATE OF REGISTRATION:	
Aug	18, 1980
Month	Day Year

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE CONTINUATION SHEET (FORM TX/CON)

1 Title	TITLE OF THIS WORK: 1980 Annual Book of ASTM Standards, Part 31: Water	PREVIOUS OR ALTERNATIVE TITLES:
	If a periodical or serial give: Vol. No. Issue Date	
PUBLICATION AS A CONTRIBUTION: (If this work was published as a contribution to a periodical, serial, or collection, give information about the collective work in which the contribution appeared.)		
Title of Collective Work: Vol. No. Date Pages		

2 Author(s)	IMPORTANT: Under the law, the "author" of a "work made for hire" is generally the employer, not the employee (see instructions). If any part of this work was "made for hire" check "Yes" in the space provided, give the employer (or other person for whom the work was prepared) as "Author" of that part, and leave the space for dates blank.	
	1	NAME OF AUTHOR: American Society for Testing and Materials Was this author's contribution to the work a "work made for hire"? Yes <input checked="" type="checkbox"/> No
		DATES OF BIRTH AND DEATH: Born Died
		AUTHOR'S NATIONALITY OR DOMICILE: Citizen of } or { Domiciled in ... U.S.A. (Name of Country) (Name of Country)
		WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK: Anonymous? Yes No Pseudonymous? Yes No
		AUTHOR OF: (Briefly describe nature of this author's contribution) Entire Text If the answer to either of these questions is "Yes," see detailed instructions attached.
	2	NAME OF AUTHOR: Was this author's contribution to the work a "work made for hire"? Yes No
		DATES OF BIRTH AND DEATH: Born Died
		AUTHOR'S NATIONALITY OR DOMICILE: Citizen of } or { Domiciled in (Name of Country) (Name of Country)
	WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK: Anonymous? Yes No Pseudonymous? Yes No	
	AUTHOR OF: (Briefly describe nature of this author's contribution) If the answer to either of these questions is "Yes," see detailed instructions attached.	
3	NAME OF AUTHOR: Was this author's contribution to the work a "work made for hire"? Yes No	
	DATES OF BIRTH AND DEATH: Born Died	
	AUTHOR'S NATIONALITY OR DOMICILE: Citizen of } or { Domiciled in (Name of Country) (Name of Country)	
	WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK: Anonymous? Yes No Pseudonymous? Yes No	
	AUTHOR OF: (Briefly describe nature of this author's contribution) If the answer to either of these questions is "Yes," see detailed instructions attached.	

3 Creation and Publication	YEAR IN WHICH CREATION OF THIS WORK WAS COMPLETED: Year 1980 (This information must be given in all cases.)	DATE AND NATION OF FIRST PUBLICATION: Date June 15 1980 (Month) (Day) (Year) Nation United States (Name of Country) (Complete this block ONLY if this work has been published.)
-------------------------------	---	--

4 Claimant(s)	NAME(S) AND ADDRESS(ES) OF COPYRIGHT CLAIMANT(S): American Society for Testing and Materials 1916 Race Street Philadelphia, PA. 19103
	TRANSFER: (If the copyright claimant(s) named here in space 4 are different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright.)

• Complete all applicable spaces (numbers 5-11) on the reverse side of this page
• Follow detailed instructions attached • Sign the form at line 10

DO NOT WRITE HERE
Page 1 of 1

ASTM000147

TX 1 534-158

EXAMINED BY: <i>MD</i>	APPLICANT RECEIVED: 18 AUG 1980	FOR COPYRIGHT OFFICE USE ONLY
CHECKED BY: <i>MD</i>	DEPOSIT RECEIVED: 18 AUG 1980 18 AUG 1980	
CORRESPONDENCE: <input type="checkbox"/> Yes	REMITTANCE NUMBER AND DATE: 346019 AUG 1980	
DEPOSIT ACCOUNT FUNDS USED: <input type="checkbox"/>		

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED ADDITIONAL SPACE, USE CONTINUATION SHEET (FORM TX/CON)

PREVIOUS REGISTRATION:

- Has registration for this work, or for an earlier version of this work, already been made in the Copyright Office? Yes No
- If your answer is "Yes," why is another registration being sought? (Check appropriate box)
 - This is the first published edition of a work previously registered in unpublished form.
 - This is the first application submitted by this author as copyright claimant.
 - This is a changed version of the work, as shown by line 6 of this application.
- If your answer is "Yes," give: Previous Registration Number TX 278-711 Year of Registration 1979

5
Previous Registration

COMPILATION OR DERIVATIVE WORK: (See instructions)

PREEXISTING MATERIAL: (Identify any preexisting work or works that this work is based on or incorporates.)

1979 Annual Book of ASTM Standards, Part 31

MATERIAL ADDED TO THIS WORK: (Give a brief, general statement of the material that has been added to this work and in which copyright is claimed.)

Compilation of previously published text plus additional text

6
Compilation or Derivative Work

MANUFACTURERS AND LOCATIONS: (If this is a published work consisting preponderantly of nondramatic literary material in English, the law may require that the copies be manufactured in the United States or Canada for full protection. If so, the names of the manufacturers who performed certain processes, and the places where these processes were performed must be given. See instructions for details.)

NAMES OF MANUFACTURERS	PLACES OF MANUFACTURE
Waverly Press, Inc.	Eaton, MD

7
Manufacturing

REPRODUCTION FOR USE OF BLIND OR PHYSICALLY-HANDICAPPED PERSONS: (See instructions)

- Signature of this form at space 10, and a check in one of the boxes here in space 8, constitutes a non-exclusive grant of permission to the Library of Congress to reproduce and distribute solely for the blind and physically handicapped and under the conditions and limitations prescribed by the regulations of the Copyright Office: (1) copies of the work identified in space 1 of this application in Braille (or similar tactile symbols); or (2) phonorecords embodying a fixation of a reading of that work; or (3) both.

a Copies and phonorecords b Copies Only c Phonorecords Only

8
License For Handicapped

DEPOSIT ACCOUNT: (If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.)

Name: _____

Account Number: _____

CORRESPONDENCE: (Give name and address to which correspondence about this application should be sent.)

Name: Robert L. Meltzer, ASTM

Address: 1916 Race Street (Apt.)

Philadelphia, PA 19103 (City) (State) (ZIP)

9
Fee and Correspondence

CERTIFICATION: * I, the undersigned, hereby certify that I am the: (Check one) American Society for Testing and Materials

author other copyright claimant owner of exclusive right(s) authorized agent of: _____

(Name of author or other copyright claimant, or owner of exclusive right(s))

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

Handwritten signature: (X) *Robert L. Meltzer*

Typed or printed name: Robert L. Meltzer Date: 7/31/80

10
Certification (Application must be signed)

MAIL CERTIFICATE TO

17 OCT 1980

(Certificate will be mailed in window envelope)

11
Address For Return of Certificate

American Society for Testing and Materials (Name)

1916 Race Street (Number, Street and Apartment Number)

Philadelphia PA 19103 (City) (State) (ZIP code)

* 17 U.S.C. §506(e): Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 409, or in any written statement filed in connection with the application, shall be fined not more than \$2,500.

CERTIFICATE OF COPYRIGHT REGISTRATION

FORM TX

UNITED STATES COPYRIGHT OFFICE

This certificate, issued under the seal of the Copyright Office in accordance with the provisions of section 410(a) of title 17, United States Code, attests that copyright registration has been made for the work identified below. The information in this certificate has been made a part of the Copyright Office records.

Wanda L. Ladd

REGISTER OF COPYRIGHTS
United States of America

REGISTRATION NUMBER	
TX 1	534-160
TX	TXU
EFFECTIVE DATE OF REGISTRATION	
Aug	13 1980
Month	Day Year

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE CONTINUATION SHEET (FORM TX/CON)

1 Title	TITLE OF THIS WORK: 1980 Annual Book of ASTM Standards, Part 9: Electrodeposited Coatings; Metal Powders, Sintered P/M Structural Parts If a periodical or serial give: Vol. No. Issue Date	PREVIOUS OR ALTERNATIVE TITLES:
	PUBLICATION AS A CONTRIBUTION: (If this work was published as a contribution to a periodical, serial, or collection, give information about the collective work in which the contribution appeared.) Title of Collective Work: Vol. No. Date Pages	

2 Author(s)	IMPORTANT: Under the law, the "author" of a "work made for hire" is generally the employer, not the employee (see instructions). If any part of this work was "made for hire" check "Yes" in the space provided, give the employer (or other person for whom the work was prepared) as "Author" of that part, and leave the space for dates blank.	
	1	NAME OF AUTHOR: American Society for Testing and Materials Was this author's contribution to the work a "work made for hire"? Yes. <input checked="" type="checkbox"/> No. DATES OF BIRTH AND DEATH: Born Died (Year) (Year) AUTHOR'S NATIONALITY OR DOMICILE: Citizen of } or { Domiciled in U.S.A. (Name of Country) (Name of Country) WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK: Anonymous? Yes No Pseudonymous? Yes No If the answer to either of these questions is "Yes," see detailed instructions attached.
	2	NAME OF AUTHOR: Was this author's contribution to the work a "work made for hire"? Yes. No. DATES OF BIRTH AND DEATH: Born Died (Year) (Year) AUTHOR'S NATIONALITY OR DOMICILE: Citizen of } or { Domiciled in (Name of Country) (Name of Country) WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK: Anonymous? Yes No Pseudonymous? Yes No If the answer to either of these questions is "Yes," see detailed instructions attached.
	3	NAME OF AUTHOR: Was this author's contribution to the work a "work made for hire"? Yes. No. DATES OF BIRTH AND DEATH: Born Died (Year) (Year) AUTHOR'S NATIONALITY OR DOMICILE: Citizen of } or { Domiciled in (Name of Country) (Name of Country) WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK: Anonymous? Yes No Pseudonymous? Yes No If the answer to either of these questions is "Yes," see detailed instructions attached.
	AUTHOR OF: (Briefly describe nature of this author's contribution) Entire Text	
	AUTHOR OF: (Briefly describe nature of this author's contribution)	
	AUTHOR OF: (Briefly describe nature of this author's contribution)	
	AUTHOR OF: (Briefly describe nature of this author's contribution)	
	AUTHOR OF: (Briefly describe nature of this author's contribution)	

3 Creation and Publication	YEAR IN WHICH CREATION OF THIS WORK WAS COMPLETED: Year 1980 (This information must be given in all cases.)	DATE AND NATION OF FIRST PUBLICATION: Date July 30 1980 (Month) (Day) (Year) Nation United States (Name of Country) (Complete this block ONLY if this work has been published.)
-------------------------------	---	--

4 Claimant(s)	NAME(S) AND ADDRESS(ES) OF COPYRIGHT CLAIMANT(S): American Society for Testing and Materials 1916 Race Street Philadelphia, PA 19103
	TRANSFER: (If the copyright claimant(s) named here in space 4 are different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright.)

• Complete all applicable spaces (numbers 5-11) on the reverse side of this page
• Follow detailed instructions attached • Sign the form at line 10

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ASTM000149

TX 1 - 534-160

EXAMINED BY: <i>AMS</i>	APPLICATION RECEIVED:	FOR COPYRIGHT OFFICE USE ONLY
CHECKED BY: <i>RMI</i>	18 AUG 1980	
CORRESPONDENCE: <input type="checkbox"/> Yes	DEPOSIT RECEIVED: 18 AUG 1980 18 AUG 1980	
DEPOSIT ACCOUNT FUNDS USED: <input type="checkbox"/>	REMITTANCE NUMBER AND DATE: 346019 18 AUG 1980	

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED ADDITIONAL SPACE, USE CONTINUATION SHEET (FORM TX/CON)

PREVIOUS REGISTRATION:

- Has registration for this work, or for an earlier version of this work, already been made in the Copyright Office? Yes **X** No
- If your answer is "Yes," why is another registration being sought? (Check appropriate box)
 - This is the first published edition of a work previously registered in unpublished form.
 - This is the first application submitted by this author as copyright claimant.
 - This is a changed version of the work, as shown by line 6 of this application.
- If your answer is "Yes," give: Previous Registration Number TX 323-382 Year of Registration 1979

5
Previous Registration

COMPILATION OR DERIVATIVE WORK: (See instructions)

PREEXISTING MATERIAL: (Identify any preexisting work or works that this work is based on or incorporates.)
1979 Annual Book of ASTM Standards, Part 9

MATERIAL ADDED TO THIS WORK: (Give a brief, general statement of the material that has been added to this work and in which copyright is claimed.)
Compilation of previously published text plus additional text

6
Compilation or Derivative Work

MANUFACTURERS AND LOCATIONS: (If this is a published work consisting preponderantly of nondramatic literary material in English, the law may require that the copies be manufactured in the United States or Canada for full protection. If so, the names of the manufacturers who performed certain processes, and the places where these processes were performed must be given. See instructions for details.)

NAMES OF MANUFACTURERS	PLACES OF MANUFACTURE
<u>Waverly Press, Inc.</u>	<u>Easton, MD</u>

7
Manufacturing

REPRODUCTION FOR USE OF BLIND OR PHYSICALLY-HANDICAPPED PERSONS: (See instructions)

- Signature of this form at space 10, and a check in one of the boxes here in space 8, constitutes a non-exclusive grant of permission to the Library of Congress to reproduce and distribute solely for the blind and physically handicapped and under the conditions and limitations prescribed by the regulations of the Copyright Office: (1) copies of the work identified in space 1 of this application in Braille (or similar tactile symbols); or (2) phonorecords embodying a fixation of a reading of that work; or (3) both.

Copies and phonorecords Copies Only Phonorecords Only

8
License For Handicapped

DEPOSIT ACCOUNT: (If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.) Name: _____ Account Number: _____	CORRESPONDENCE: (Give name and address to which correspondence about this application should be sent.) Name: <u>Robert L. Meltzer, ASTM</u> Address: <u>1916 Race Street</u> <u>Philadelphia PA 19103</u> (City) (State) (ZIP)	9 Fee and Correspondence
---	---	------------------------------------

CERTIFICATION: * I, the undersigned, hereby certify that I am the: (Check one) American Society for Testing and Materials

author other copyright claimant owner of exclusive right(s) authorized agent of: _____
(Name of author or other copyright claimant, or owner of exclusive right(s))

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

Handwritten signature: (X) Robert L. Meltzer
Typed or printed name: Robert L. Meltzer Date: 7/31/80

10
Certification (Application must be signed)

<p>..... American Society for Testing and Materials (Name)</p> <p>..... 1916 Race Street (Number, Street and Apartment Number)</p> <p>..... Philadelphia, PA 19103 (City) (State) (ZIP code)</p>	<p>MAIL CERTIFICATE TO</p> <p>17 OCT 1980 (Certificate will be mailed in window envelope)</p>	<p>11 Address For Return of Certificate</p>
--	---	--

* 17 U.S.C. § 506(e): Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 409, or in any written statement filed in connection with the application, shall be fined not more than \$2,500.

CERTIFICATE OF COPYRIGHT REGISTRATION

FORM TX

UNITED STATES COPYRIGHT OFFICE

This certificate, issued under the seal of the Copyright Office in accordance with the provisions of section 410(a) of title 17, United States Code, attests that copyright registration has been made for the work identified below. The information in this certificate has been made a part of the Copyright Office records.

Wanda L. Ladd

REGISTER OF COPYRIGHTS
United States of America

REGISTRATION NUMBER	
TX	565-130
TX	TXU
EFFECTIVE DATE OF REGISTRATION	
14	OCT 1980
Month	Day Year

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE CONTINUATION SHEET (FORM TX/CON)

1 Title	TITLE OF THIS WORK: 1980 Annual Book of ASTM Standards, Part 30: Soap, Collants; Polishes; Halogenated Organic Solvents If a periodical or serial give: Vol. No. Issue Date	PREVIOUS OR ALTERNATIVE TITLES:
	PUBLICATION AS A CONTRIBUTION: (If this work was published as a contribution to a periodical, serial, or collection, give information about the collective work in which the contribution appeared.) Title of Collective Work: Vol. No. Date Pages	

2 Author(s)	IMPORTANT: Under the law, the "author" of a "work made for hire" is generally the employer, not the employee (see instructions). If any part of this work was "made for hire" check "Yes" in the space provided, give the employer (or other person for whom the work was prepared) as "Author" of that part, and leave the space for dates blank.		
	1	NAME OF AUTHOR: American Society for Testing & Materials Was this author's contribution to the work a "work made for hire"? Yes. <input checked="" type="checkbox"/> No.	DATES OF BIRTH AND DEATH: Born Died
		AUTHOR'S NATIONALITY OR DOMICILE: Citizen of } or { Domiciled in USA (Name of Country) (Name of Country)	WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK: Anonymous? Yes No Pseudonymous? Yes No If the answer to either of these questions is "Yes," see detailed instructions attached.
		AUTHOR OF: (Briefly describe nature of this author's contribution) Entire Text	
	2	NAME OF AUTHOR: Was this author's contribution to the work a "work made for hire"? Yes. No.	DATES OF BIRTH AND DEATH: Born Died
		AUTHOR'S NATIONALITY OR DOMICILE: Citizen of } or { Domiciled in (Name of Country) (Name of Country)	WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK: Anonymous? Yes No Pseudonymous? Yes No If the answer to either of these questions is "Yes," see detailed instructions attached.
		AUTHOR OF: (Briefly describe nature of this author's contribution)	
	3	NAME OF AUTHOR: Was this author's contribution to the work a "work made for hire"? Yes. No.	DATES OF BIRTH AND DEATH: Born Died
		AUTHOR'S NATIONALITY OR DOMICILE: Citizen of } or { Domiciled in (Name of Country) (Name of Country)	WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK: Anonymous? Yes No Pseudonymous? Yes No If the answer to either of these questions is "Yes," see detailed instructions attached.
AUTHOR OF: (Briefly describe nature of this author's contribution)			

3 Creation and Publication	YEAR IN WHICH CREATION OF THIS WORK WAS COMPLETED: Year. 1980 (This information must be given in all cases.)	DATE AND NATION OF FIRST PUBLICATION: Date. August 25 1980 (Month) (Day) (Year) Nation. United States (Name of Country) (Complete this block ONLY if this work has been published.)
--------------------------------------	---	---

4 Claimant(s)	NAME(S) AND ADDRESS(ES) OF COPYRIGHT CLAIMANT(S): American Society for Testing and Materials 1916 Race Street Philadelphia, Pa. 19103
	TRANSFER: (If the copyright claimant(s) named here in space 4 are different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright.)

- Complete all applicable spaces (numbers 5-11) on the reverse side of this page
- Follow detailed instructions attached
- Sign the form at line 10

DO NOT WRITE HERE

ASTM000151

EXAMINED BY: <i>[Signature]</i>	APPLICATION RECEIVED: <i>10 19 80</i>	FOR COPYRIGHT OFFICE USE ONLY
CHECKED BY: <i>RMB</i>	DEPOSIT RECEIVED: <i>10 19 80 10 19 80</i>	
CORRESPONDENCE: <input type="checkbox"/> Yes	REMITTANCE NUMBER AND DATE: <i>12461 OCT 14 80</i>	
DEPOSIT ACCOUNT FUNDS USED: <input type="checkbox"/>		

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED ADDITIONAL SPACE, USE CONTINUATION SHEET (FORM TX/CON)

PREVIOUS REGISTRATION: <ul style="list-style-type: none"> Has registration for this work, or for an earlier version of this work, already been made in the Copyright Office? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If your answer is "Yes," why is another registration being sought? (Check appropriate box) <ul style="list-style-type: none"> <input type="checkbox"/> This is the first published edition of a work previously registered in unpublished form. <input type="checkbox"/> This is the first application submitted by this author as copyright claimant. <input checked="" type="checkbox"/> This is a changed version of the work, as shown by line 6 of this application. If your answer is "Yes," give: Previous Registration Number ... <i>TX 339-440</i> ... Year of Registration ... <i>1979</i> 	5 Previous Registration
--	--------------------------------------

COMPILATION OR DERIVATIVE WORK: (See instructions) PREEXISTING MATERIAL: (Identify any preexisting work or works that this work is based on or incorporates.) <i>1979 Annual Book of ASTM Standards, Part 30</i> MATERIAL ADDED TO THIS WORK: (Give a brief, general statement of the material that has been added to this work and in which copyright is claimed.) <i>Compilation of previously published text plus additional text</i>	6 Compilation or Derivative Work
---	---

MANUFACTURERS AND LOCATIONS: (If this is a published work consisting preponderantly of nondramatic literary material in English, the law may require that the copies be manufactured in the United States or Canada for full protection. If so, the names of the manufacturers who performed certain processes, and the places where these processes were performed must be given. See instructions for details.) <table border="0" style="width: 100%;"> <tr> <td style="width: 50%;"> NAMES OF MANUFACTURERS <i>Waverly Press, Inc.</i> </td> <td style="width: 50%;"> PLACES OF MANUFACTURE <i>Easton, Maryland</i> </td> </tr> </table>	NAMES OF MANUFACTURERS <i>Waverly Press, Inc.</i>	PLACES OF MANUFACTURE <i>Easton, Maryland</i>	7 Manufacturing
NAMES OF MANUFACTURERS <i>Waverly Press, Inc.</i>	PLACES OF MANUFACTURE <i>Easton, Maryland</i>		

REPRODUCTION FOR USE OF BLIND OR PHYSICALLY-HANDICAPPED PERSONS: (See instructions) <ul style="list-style-type: none"> Signature of this form at space 10, and a check in one of the boxes here in space 8, constitutes a non-exclusive grant of permission to the Library of Congress to reproduce and distribute solely for the blind and physically handicapped and under the conditions and limitations prescribed by the regulations of the Copyright Office: (1) copies of the work identified in space 1 of this application in Braille (or similar tactile symbols); or (2) phonorecords embodying a fixation of a reading of that work; or (3) both. <p style="text-align: center;"> <input checked="" type="checkbox"/> a Copies and phonorecords <input type="checkbox"/> b Copies Only <input type="checkbox"/> c Phonorecords Only </p>	8 License For Handicapped
---	---

DEPOSIT ACCOUNT: (If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.) Name: _____ Account Number: _____	CORRESPONDENCE: (Give name and address to which correspondence about this application should be sent.) Name: <i>Robert L. Meltzer</i> Address: <i>1916 Race Street</i> <i>Philadelphia, Pa. 19103</i> <small>(City) (State) (ZIP)</small>	9 Fee and Correspondence
---	--	---------------------------------------

CERTIFICATION: * I, the undersigned, hereby certify that I am the: (Check one) <input checked="" type="checkbox"/> American Society for Testing and Materials <input type="checkbox"/> author <input type="checkbox"/> other copyright claimant <input type="checkbox"/> owner of exclusive right(s) <input checked="" type="checkbox"/> authorized agent of: <i>Materials</i> <small>(Name of author or other copyright claimant, or owner of exclusive right(s))</small> of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge. Handwritten signature: <i>[Signature]</i> Typed or printed name: <i>Robert L. Meltzer</i> Date: <i>9/22/80</i>	10 Certification (Application must be signed)
--	--

American Society for Testing and Materials <small>(Name)</small> 1916 Race Street <small>(Number, Street and Apartment Number)</small> Philadelphia, Pa. 19103 <small>(City) (State) (ZIP code)</small>	MAIL CERTIFICATE TO (Certificate will be mailed in window envelope)	11 Address For Return of Certificate
--	---	---

* 17 U.S.C. § 506(e): Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 409, or in any written statement filed in connection with the application, shall be fined not more than \$2,500.
 U.S. GOVERNMENT PRINTING OFFICE: 1980-311474

CERTIFICATE OF COPYRIGHT REGISTRATION

FORM TX

UNITED STATES COPYRIGHT OFFICE

This certificate, issued under the seal of the Copyright Office in accordance with the provisions of section 410(a) of title 17, United States Code, attests that copyright registration has been made for the work identified below. The information in this certificate has been made a part of the Copyright Office records.

David L. Ladd

REGISTER OF COPYRIGHTS
United States of America

REGISTRATION NUMBER	
TX	626-132
TX	TXU
EFFECTIVE DATE OF REGISTRATION	
2	11
(Month)	(Day)
	81
	(Year)

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE CONTINUATION SHEET (FORM TXUCON)

1 Title	TITLE OF THIS WORK: 1980 Annual Book of ASTM Standards, Part 32:Textiles - Yarns, Fabrics, General Test Methods	PREVIOUS OR ALTERNATIVE TITLES:
	If a periodical or serial give: Vol. No. Issue Date.	
	PUBLICATION AS A CONTRIBUTION: (If this work was published as a contribution to a periodical, serial, or collection, give information about the collective work in which the contribution appeared.)	
	Title of Collective Work:	Vol. No. Date
		Pages

2 Author(s)	IMPORTANT: Under the law, the "author" of a "work made for hire" is generally the employer, not the employee (see instructions). If any part of this work was "made for hire" check "Yes" in the space provided, give the employer (or other person for whom the work was prepared) as "Author" of that part, and leave the space for dates blank.	
	1	NAME OF AUTHOR: American Society for Testing and Materials Was this author's contribution to the work a "work made for hire"? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
		DATES OF BIRTH AND DEATH: Born Died (Year) (Year)
		AUTHOR'S NATIONALITY OR DOMICILE: Citizen of } or { Domiciled in U.S.A. (Name of Country) (Name of Country)
		WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK: Anonymous? Yes No Pseudonymous? Yes No If the answer to either of these questions is "Yes," see detailed instructions attached.
		AUTHOR OF: (Briefly describe nature of this author's contribution) Entire Text
	2	NAME OF AUTHOR: Was this author's contribution to the work a "work made for hire"? Yes No
		DATES OF BIRTH AND DEATH: Born Died (Year) (Year)
		AUTHOR'S NATIONALITY OR DOMICILE: Citizen of } or { Domiciled in (Name of Country) (Name of Country)
	WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK: Anonymous? Yes No Pseudonymous? Yes No If the answer to either of these questions is "Yes," see detailed instructions attached.	
	AUTHOR OF: (Briefly describe nature of this author's contribution)	
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	DATES OF BIRTH AND DEATH: Born Died (Year) (Year)	
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	WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK: Anonymous? Yes No Pseudonymous? Yes No If the answer to either of these questions is "Yes," see detailed instructions attached.	
	AUTHOR OF: (Briefly describe nature of this author's contribution)	

3 Creation and Publication	YEAR IN WHICH CREATION OF THIS WORK WAS COMPLETED: Year 1980	DATE AND NATION OF FIRST PUBLICATION: Date November 10 1980 (Month) (Day) (Year) Nation United States (Name of Country)
	(This information must be given in all cases.)	(Complete this block ONLY if this work has been published.)

4 Claimant(s)	NAME(S) AND ADDRESS(ES) OF COPYRIGHT CLAIMANT(S): American Society for Testing and Materials 1916 Race Street Philadelphia, PA 19103
	TRANSFER: (If the copyright claimant(s) named here in space 4 are different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright.)

• Complete all applicable spaces (numbers 5-11) on the reverse side of this page
• Follow detailed instructions attached • Sign the form at line 10

DO NOT WRITE HERE
Page 1 of ... 2 ... pages

ASTM000153

TX: 626-132

EXAMINED BY: <i>[Signature]</i>	APPLICATION RECEIVED: FEB 11 1981
CHECKED BY: <i>[Signature]</i>	DEPOSIT RECEIVED: FEB 11 1981 FEB 11 1981
CORRESPONDENCE: <input type="checkbox"/> Yes	REMITTANCE NUMBER AND DATE: 142731 FEB 11 81
DEPOSIT ACCOUNT FUNDS USED: <input type="checkbox"/>	

FOR COPYRIGHT OFFICE USE ONLY

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PREVIOUS REGISTRATION:

- Has registration for this work, or for an earlier version of this work, already been made in the Copyright Office? Yes... No...
- If your answer is "Yes," why is another registration being sought? (Check appropriate box)
 - This is the first published edition of a work previously registered in unpublished form.
 - This is the first application submitted by this author as copyright claimant.
 - This is a changed version of the work, as shown by line 6 of this application.
- If your answer is "Yes," give: Previous Registration Number TX 500-153 Year of Registration 1979

5

Previous Registration

COMPILATION OR DERIVATIVE WORK: (See instructions)

PREEXISTING MATERIAL: (Identify any preexisting work or works that this work is based on or incorporates.)

1979 Annual Book of ASTM Standards, Part 32

MATERIAL ADDED TO THIS WORK: (Give a brief, general statement of the material that has been added to this work and in which copyright is claimed.)

Compilation of previously published text plus additional text

6

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NAMES OF MANUFACTURERS

PLACES OF MANUFACTURE

Waverly Press, Inc.

Easton, Maryland

7

Manufacturing

REPRODUCTION FOR USE OF BLIND OR PHYSICALLY-HANDICAPPED PERSONS: (See instructions)

Signature of this form at space 10, and a check in one of the boxes here in space 8, constitutes a non-exclusive grant of permission to the Library of Congress to reproduce and distribute solely for the blind and physically handicapped and under the conditions and limitations prescribed by the regulations of the Copyright Office: (1) copies of the work identified in space 1 of this application in Braille (or similar tactile symbols); or (2) phonorecords embodying a fixation of a reading of that work; or (3) both.

Copies and phonorecords

Copies Only

Phonorecords Only

8

License For Handicapped

DEPOSIT ACCOUNT: (If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.)

CORRESPONDENCE: (Give name and address to which correspondence about this application should be sent.)

Name: Robert L. Meltzer ASTM

Address: 1916 Race Street

Philadelphia, PA 19103

(City) (State) (ZIP)

9

Fee and Correspondence

CERTIFICATION: * I, the undersigned, hereby certify that I am the: (Check one) American Society for Testing and Materials

- author
- other copyright claimant
- owner of exclusive right(s)
- authorized agent of...

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.



Handwritten signature: (X) Robert L. Meltzer

Typed or printed name: Robert L. Meltzer

Date: 1/12/81

10

Certification (Applicant must sign)

American Society for Testing and Materials
(Name)

1916 Race Street
(Number, Street and Apartment Number)

Philadelphia, PA 19103
(City) (State) (ZIP code)

MAIL CERTIFICATE TO

(Certificate will be mailed in window envelope)

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FORM TX

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MAY 15 Recd

ASTM
PUBLICATION DIVISION

David L. Ladd

REGISTER OF COPYRIGHTS
United States of America

REGISTRATION NUMBER	
TX <i>(circled)</i>	648-346
TXU	
EFFECTIVE DATE OF REGISTRATION	
Mar	11 1981
Month	Day Year

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE CONTINUATION SHEET

1 Title	TITLE OF THIS WORK: 1980 Annual Book of ASTM Standards Part 21: Cellulose; Leather; Flexible Barrier Materials If a periodical or serial give: Vol. No. Issue Date	PREVIOUS OR ALTERNATIVE TITLES:
	PUBLICATION AS A CONTRIBUTION: (If this work was published as a contribution to a periodical, serial, or collection, give information about the collective work in which the contribution appeared.) Title of Collective Work: Vol. No. Date Pages	

2 Author(s)	IMPORTANT: Under the law, the "author" of a "work made for hire" is generally the employer, not the employee (see instructions). If any part of this work was "made for hire" check "Yes" in the space provided, give the employer (or other person for whom the work was prepared) as "Author" of that part, and leave the space for dates blank.							
	1	<table border="1"> <tr> <td>NAME OF AUTHOR: American Society for Testing & Materials Was this author's contribution to the work a "work made for hire"? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></td> <td>DATES OF BIRTH AND DEATH: Born Died</td> </tr> <tr> <td>AUTHOR'S NATIONALITY OR DOMICILE: Citizen of } or { Domiciled in U.S.A. (Name of Country) (Name of Country)</td> <td>WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK: Anonymous? Yes No Pseudonymous? Yes No</td> </tr> <tr> <td>AUTHOR OF: (Briefly describe nature of this author's contribution) Collective Work</td> <td>If the answer to either of these questions is "Yes, see detailed instructions attached.</td> </tr> </table>	NAME OF AUTHOR: American Society for Testing & Materials Was this author's contribution to the work a "work made for hire"? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	DATES OF BIRTH AND DEATH: Born Died	AUTHOR'S NATIONALITY OR DOMICILE: Citizen of } or { Domiciled in U.S.A. (Name of Country) (Name of Country)	WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK: Anonymous? Yes No Pseudonymous? Yes No	AUTHOR OF: (Briefly describe nature of this author's contribution) Collective Work	If the answer to either of these questions is "Yes, see detailed instructions attached.
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AUTHOR'S NATIONALITY OR DOMICILE: Citizen of } or { Domiciled in (Name of Country) (Name of Country)	WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK: Anonymous? Yes No Pseudonymous? Yes No							
AUTHOR OF: (Briefly describe nature of this author's contribution)	If the answer to either of these questions is "Yes, see detailed instructions attached.							

3 Creation and Publication	YEAR IN WHICH CREATION OF THIS WORK WAS COMPLETED: Year 1980 (This information must be given in all cases.)	DATE AND NATION OF FIRST PUBLICATION: Date June 25 1980 (Month) (Day) (Year) Nation United States (Name of Country) (Complete this block ONLY if this work has been published.)
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4 Claimant(s)	NAME(S) AND ADDRESS(ES) OF COPYRIGHT CLAIMANT(S): American Society for Testing and Materials 1916 Race Street Philadelphia, PA 19103
	TRANSFER: (If the copyright claimant(s) named here in space 4 are different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright.)

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• Follow detailed instructions attached

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ASTM000155

TX 648-346	EXAMINED BY: <i>[Signature]</i> CHECKED BY: <i>[Signature]</i>	APPLICATION RECEIVED: MAR 17 1981	FOR COPYRIGHT OFFICE USE ONLY
	CORRESPONDENCE: <input type="checkbox"/> Yes	DEPOSIT RECEIVED: MAR 17 1981 MAR 17 1981	
	DEPOSIT ACCOUNT FUNDS USED: <input type="checkbox"/>	REMITTANCE NUMBER AND DATE 172721 MAR 11 81	

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED ADDITIONAL SPACE, USE CONTINUATION SHEET (FORM TX/CON)

<p>PREVIOUS REGISTRATION:</p> <ul style="list-style-type: none"> Has registration for this work, or for an earlier version of this work, already been made in the Copyright Office? Yes...<input checked="" type="checkbox"/>... No..... If your answer is "Yes," why is another registration being sought? (Check appropriate box) <ul style="list-style-type: none"> <input type="checkbox"/> This is the first published edition of a work previously registered in unpublished form. <input type="checkbox"/> This is the first application submitted by this author as copyright claimant. <input type="checkbox"/> This is a changed version of the work, as shown by line 6 of this application. If your answer is "Yes," give: Previous Registration Number... TX 278-710..... Year of Registration 1979..... 	<div style="border: 1px solid black; border-radius: 50%; width: 30px; height: 30px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">5</div> <p>Previous Registration</p>
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<p>COMPILATION OR DERIVATIVE WORK: (See instructions)</p> <p>PREEXISTING MATERIAL: (Identify any preexisting work or works that this work is based on or incorporates.)</p> <p>{ 1979 Annual Book of ASTM Standards Part 21.....</p> <p>MATERIAL ADDED TO THIS WORK: (Give a brief, general statement of the material that has been added to this work and in which copyright is claimed.)</p> <p>{ Compilation of previously published text plus additional text.....</p>	<div style="border: 1px solid black; border-radius: 50%; width: 30px; height: 30px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">6</div> <p>Compilation or Derivative Work</p>
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<p>NAMES OF MANUFACTURERS</p> <p>Waverly Press, Inc.</p>	<p>PLACES OF MANUFACTURE</p> <p>Easton, MD</p>		

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---	--

<p>DEPOSIT ACCOUNT: (If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.)</p> <p>Name:</p> <p>Account Number:</p>	<p>CORRESPONDENCE: (Give name and address to which correspondence about this application should be sent.)</p> <p>Name: Robert L. Meltzer, ASTM</p> <p>Address: 1916 Race Street</p> <p>Philadelphia, PA 19103</p> <p style="font-size: small;">(City) (State) (ZIP)</p>	<div style="border: 1px solid black; border-radius: 50%; width: 30px; height: 30px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">9</div> <p>Fee and Correspondence</p>
--	--	---

<p>CERTIFICATION: * I, the undersigned, hereby certify that I am the: (Check one) American Society for Testing & Materials</p> <p><input type="checkbox"/> author <input type="checkbox"/> other copyright claimant <input type="checkbox"/> owner of exclusive right(s) <input checked="" type="checkbox"/> authorized agent of: Materials</p> <p style="font-size: x-small;">(Name of author or other copyright claimant, or owner of exclusive right(s))</p> <p>of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.</p> <p>Handwritten signature: (X) <i>[Signature]</i></p> <p>Typed or printed name: Robert L. Meltzer Date: 2/24/81</p>	<div style="border: 1px solid black; border-radius: 50%; width: 30px; height: 30px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">10</div> <p>Certification (Application must be signed)</p>
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<p style="text-align: center;">American Society for Testing and Materials</p> <p style="text-align: center; font-size: small;">(Name)</p> <p style="text-align: center;">1916 Race Street</p> <p style="text-align: center; font-size: small;">(Number, Street and Apartment Number)</p> <p style="text-align: center;">Philadelphia PA 19103</p> <p style="text-align: center; font-size: small;">(City) (State) (ZIP code)</p>	<p>MAIL CERTIFICATE TO</p> <p>(Certificate will be mailed in window envelope)</p>	<div style="border: 1px solid black; border-radius: 50%; width: 30px; height: 30px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">11</div> <p>Address For Return of Certificate</p>
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CERTIFICATE OF COPYRIGHT REGISTRATION

FORM TX

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JUN 26 Recd
 ASTM
 PUBLICATION DIVISION

David L. Ladd

REGISTER OF COPYRIGHTS
 United States of America

REGISTRATION NUMBER	
TX	696-452
TXU	
EFFECTIVE DATE OF REGISTRATION	
MAY 21 1981	
Month	Day Year

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE CONTINUATION SHEET

1 Title	TITLE OF THIS WORK: 1981 Annual Book of ASTM Standards Part 16: Chemical-Resistant Materials; Vitrified Clay, Concrete, Asbestos-Cement Products; Mortars, .. If a periodical or serial, give: Vol. No. Issue Date	PREVIOUS OR ALTERNATIVE TITLES:
	PUBLICATION AS A CONTRIBUTION: (If this work was published as a contribution to a periodical, serial, or collection, give information about the collective work in which the contribution appeared.) Title of Collective Work: Vol. No. Date Pages	

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	AUTHOR OF: (Briefly describe nature of this author's contribution) Entire Text		
	2	NAME OF AUTHOR: Was this author's contribution to the work a "work made for hire"? Yes No	DATES OF BIRTH AND DEATH: Born Died (Year) (Year)
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		AUTHOR'S NATIONALITY OR DOMICILE: Citizen of } or { Domiciled in (Name of Country) (Name of Country)	WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK: Anonymous? Yes No Pseudonymous? Yes No If the answer to either of these questions is "Yes, see detailed instructions attached.
AUTHOR OF: (Briefly describe nature of this author's contribution)			

3 Creation and Publication	YEAR IN WHICH CREATION OF THIS WORK WAS COMPLETED: Year: 1981 (This information must be given in all cases.)	DATE AND NATION OF FIRST PUBLICATION: Date: April 15 1981 (Month) (Day) (Year) Nation: United States (Name of Country) (Complete this block ONLY if this work has been published.)
--------------------------------------	---	--

4 Claimant(s)	NAME(S) AND ADDRESS(ES) OF COPYRIGHT CLAIMANT(S): American Society for Testing and Materials 1916 Race Street Philadelphia, PA 19103
	TRANSFER: (If the copyright claimant(s) named here in space 4 are different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright.)

• Complete all applicable spaces (numbers 5-11) on the reverse side of this page
 • Follow detailed instructions attached

DO NOT WRITE HERE

ASTM000157

TX 696-452	EXAMINED BY: <i>[Signature]</i> CHECKED BY: <i>[Signature]</i>	APPLICANT RECEIVED: MAY 21 1981	FOR COPYRIGHT OFFICE USE ONLY
	CORRESPONDENCE: <input type="checkbox"/> Yes	DEPOSIT RECEIVED: MAY 21 1981 MAY 21 1981	
	DEPOSIT ACCOUNT FUNDS USED: <input type="checkbox"/>	REMITTANCE NUMBER AND DATE 249511 MAY 21 81	

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED ADDITIONAL SPACE, USE CONTINUATION SHEET (FORM TX/CON)

PREVIOUS REGISTRATION: <ul style="list-style-type: none"> Has registration for this work, or for an earlier version of this work, already been made in the Copyright Office? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If your answer is "Yes," why is another registration being sought? (Check appropriate box) <ul style="list-style-type: none"> <input type="checkbox"/> This is the first published edition of a work previously registered in unpublished form. <input type="checkbox"/> This is the first application submitted by this author as copyright claimant. <input type="checkbox"/> This is a changed version of the work, as shown by line 6 of this application. If your answer is "Yes," give: Previous Registration Number ... TX 482-384 ... Year of Registration ... 1980 	5 Previous Registration
---	--------------------------------------

COMPILATION OR DERIVATIVE WORK: (See instructions) PREEXISTING MATERIAL: (Identify any preexisting work or works that this work is based on or incorporates.) { 1980 Annual Book of ASTM Standards Part 16 } MATERIAL ADDED TO THIS WORK: (Give a brief, general statement of the material that has been added to this work and in which copyright is claimed.) { Compilation of previously published text plus additional text }	6 Compilation or Derivative Work
--	---

MANUFACTURERS AND LOCATIONS: (If this is a published work consisting preponderantly of nondramatic literary material in English, the law may require that the copies be manufactured in the United States or Canada for full protection. If so, the names of the manufacturers who performed certain processes, and the places where these processes were performed must be given. See instructions for details.) <table border="0" style="width: 100%;"> <tr> <td style="width: 50%;"> NAMES OF MANUFACTURERS Waverly Press, Inc. </td> <td style="width: 50%;"> PLACES OF MANUFACTURE Easton, MD </td> </tr> </table>	NAMES OF MANUFACTURERS Waverly Press, Inc.	PLACES OF MANUFACTURE Easton, MD	7 Manufacturing
NAMES OF MANUFACTURERS Waverly Press, Inc.	PLACES OF MANUFACTURE Easton, MD		

REPRODUCTION FOR USE OF BLIND OR PHYSICALLY-HANDICAPPED PERSONS: (See instructions) <ul style="list-style-type: none"> Signature of this form at space 10, and a check in one of the boxes here in space 8, constitutes a non-exclusive grant of permission to the Library of Congress to reproduce and distribute solely for the blind and physically handicapped and under the conditions and limitations prescribed by the regulations of the Copyright Office: (1) copies of the work identified in space 1 of this application in Braille (or similar tactile symbols); or (2) phonorecords embodying a fixation of a reading of that work, or (3) both. <p style="text-align: center;"> a <input checked="" type="checkbox"/> Copies and phonorecords b <input type="checkbox"/> Copies Only c <input type="checkbox"/> Phonorecords Only </p>	8 License For Handicapped
---	---

DEPOSIT ACCOUNT: (If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.) Name: _____ Account Number: _____	CORRESPONDENCE: (Give name and address to which correspondence about this application should be sent.) Name: Robert L. Meltzer, ASTM Address: 1916 Race Street Philadelphia, PA 19103 (City) (State) (ZIP)	9 Fee and Correspondence
---	---	---------------------------------------

CERTIFICATION: * I, the undersigned, hereby certify that I am the: (Check one) American Society for Testing and Materials <input type="checkbox"/> author <input type="checkbox"/> other copyright claimant <input type="checkbox"/> owner of exclusive right(s) <input checked="" type="checkbox"/> authorized agent of: _____ of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge. Handwritten signature: (X) <i>Robert L. Meltzer</i> Typed or printed name: Robert L. Meltzer Date: 5/7/81	10 Certification (Application must be signed)
---	--

American Society for Testing and Materials 1916 Race Street Philadelphia, PA 19103 (City) (State) (ZIP code)	11 Address For Return of Certificate
---	---

MAIL CERTIFICATE TO
(Certificate will be mailed in window envelope)

* 17 U.S.C. § 506(e): Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 409, or in

Certificate of Registration



This Certificate issued under the seal of the Copyright Office in accordance with title 17, *United States Code*, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

Maria A. Pallante

Register of Copyrights, United States of America

Registration Number
TX 7-685-915

Effective date of registration:
March 5, 2013

Title

Title of Work: ASTM D975-07 Standards Specificaiton for Diesel Fuel Oils

Completion/Publication

Year of Completion: 2007

Date of 1st Publication: April 1, 2007

Nation of 1st Publication: United States

Author

▪ **Author:** ASTM International

Author Created: Entire Text

Work made for hire: Yes

Domiciled in: United States

Copyright claimant

Copyright Claimant: ASTM International

100 Barr Harbor Drive, West Conshohocken, PA, 19428, United States

Limitation of copyright claim

Material excluded from this claim: text

Previous registration and year: TX 6-563-072 2007

TX 6-342-584 2006

New material included in claim: text, editing

Rights and Permissions

Organization Name: ASTM International

Name: Kathleen Hooper

Email: khooper@astm.org

Telephone: 610-832-9634

Address: 100 Barr Harbor Drive

West Conshohocken, PA 19428 United States

Certification

Name: Kathleen Hooper

Date: March 1, 2013



Certificate of Registration



This Certificate issued under the seal of the Copyright Office in accordance with title 17, *United States Code*, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

Maura A. Pallante

Register of Copyrights, United States of America

Registration Number
TX 7-685-927

Effective date of
registration:
March 5, 2013

Title

Title of Work: ASTM C150-99a Standard Specification for Portland Cement

Completion/Publication

Year of Completion: 1999

Date of 1st Publication: December 1, 1999

Nation of 1st Publication: United States

Author

Author: ASTM International

Author Created: Entire Text

Work made for hire: Yes

Domiciled in: United States

Copyright claimant

Copyright Claimant: ASTM International

100 Barr Harbor Drive, West Conshohocken, PA, 19428, United States

Limitation of copyright claim

Material excluded from this claim: text

Previous registration and year: 1999

TX 4-787-636 1998

New material included in claim: text, editing

Rights and Permissions

Organization Name: ASTM International

Name: Kathleen Hooper

Email: khooper@astm.org

Telephone: 610-832-9634

Address: 100 Barr Harbor Drive

West Conshohocken, PA 19428 United States

Certification

Name: Kathleen Hooper

Date: March 1, 2013



Certificate of Registration



This Certificate issued under the seal of the Copyright Office in accordance with title 17, *United States Code*, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

Maria A. Pallante

Register of Copyrights, United States of America

Registration Number
TX 7-685-938

Effective date of
registration:
March 5, 2013

Title

Title of Work: ASTM A106/A106M-04b Standard Specification for Seamless Carbon Steel Pipe for High Temperature Service

Completion/Publication

Year of Completion: 2004

Date of 1st Publication: December 1, 2004

Nation of 1st Publication: United States

Author

Author: ASTM International

Author Created: Entire Text

Work made for hire: Yes

Domiciled in: United States

Copyright claimant

Copyright Claimant: ASTM International

100 Barr Harbor Drive, West Conshohocken, PA, 19428, United States

Limitation of copyright claim

Material excluded from this claim: text

Previous registration and year: TX 5-914-334 2004

TX 5-665-928 2003

New material included in claim: text, editing

Rights and Permissions

Organization Name: ASTM International

Name: Kathleen Hooper

Email: khooper@astm.org

Telephone: 610-832-9634

Address: 100 Barr Harbor Drive

West Conshohocken, PA 19428 United States

Certification

Name: Kathleen Hooper

Date: March 1, 2013



Certificate of Registration



This Certificate issued under the seal of the Copyright Office in accordance with title 17, *United States Code*, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

Maria A. Pallante

Register of Copyrights, United States of America

Registration Number
TX 7-685-941

Effective date of
registration:
March 5, 2013

Title

Title of Work: ASTM D86-07 Standards Test Methods for Distillation of Petroleum Products at Atmospheric Pressure

Completion/Publication

Year of Completion: 2007

Date of 1st Publication: March 1, 2007

Nation of 1st Publication: United States

Author

Author: ASTM International

Author Created: Entire Text

Work made for hire: Yes

Domiciled in: United States

Copyright claimant

Copyright Claimant: ASTM International

100 Barr Harbor Drive, West Conshohocken, PA, 19428, United States

Limitation of copyright claim

Material excluded from this claim: text

Previous registration and year: TX 6-563-072 2007

TX 6-342-584 2006

New material included in claim: text, editing

Rights and Permissions

Organization Name: ASTM International

Name: Kathleen Hooper

Email: khooper@astm.org

Telephone: 610-832-9634

Address: 100 Barr Harbor Drive

West Conshohocken, PA 19428 United States

Certification

Name: Kathleen Hooper

Date: March 1, 2013



Certificate of Registration



This Certificate issued under the seal of the Copyright Office in accordance with title 17, *United States Code*, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

Maria A. Pallante

Register of Copyrights, United States of America

Registration Number
TX 7-763-690

Effective date of
registration:
April 10, 2013

Title

Title of Work: F1193 - 06 Standard Practice for Quality, Manufacture, and Construction of Amusement Rides and Devices

Completion/Publication

Year of Completion: 2006

Date of 1st Publication: March 3, 2006

Nation of 1st Publication: United States

Author

* Author: ASTM International

Author Created: Entire Text

Work made for hire: Yes

Domiciled in: United States

Copyright claimant

Copyright Claimant: ASTM International

100 Barr Harbor Drive, West Conshohocken, PA, 19428, United States

Limitation of copyright claim

Material excluded from this claim: text

Previous registration and year: TX 6-270-668 2005

TX 6-076-444 2004

New material included in claim: text, editing

Rights and Permissions

Organization Name: ASTM International

Name: Kathleen Hooper

Email: khooper@astm.org

Telephone: 610-832-9634

Address: 100 Barr Harbor Drive

West Conshohocken, PA 19428 United States

Certification

Name: Kathleen Hooper

Date: April 10, 2013



EXHIBIT 15

Certificate of Registration



This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

Marybeth Peters

Register of Copyrights, United States of America

Form TX
For a Non-dramatic Literary Work
UNITED STATES COPYRIGHT OFFICE

TX 5-970-602



EFFECTIVE DATE OF REGISTRATION

JAN 30 2004
Month Day Year

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET

1

TITLE OF THIS WORK
NFPA 1 Uniform Fire Code 2003 edition

PREVIOUS OR ALTERNATIVE TITLES
Fire Prevention Code

PUBLICATION AS A CONTRIBUTION If this work was published as a contribution to a periodical, serial, or collection, give information about the collective work in which the contribution appeared Title of Collective Work

If published in a periodical or serial give: Volume Number Issue Date On Pages

2

NAME OF AUTHOR
a National Fire Protection Association

DATES OF BIRTH AND DEATH
Year Born Year Died

Was this contribution to the work a "work made for hire"?
 Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country
OR Citizen of USA
Domiciled in

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymously? Yes No
Pseudonymously? Yes No

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed.

NOTE

Under the law the "author" of a "work made for hire" is generally the employer not the employee (see instructions) For any part of this work that was made for hire check "Yes" in the space provided give the employer (or other person for whom the work was prepared) as "Author" of that part and leave the space for dates of birth and death blank.

b

NAME OF AUTHOR

DATES OF BIRTH AND DEATH
Year Born Year Died

Was this contribution to the work a "work made for hire"?
 Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country
OR Citizen of
Domiciled in

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymously? Yes No
Pseudonymously? Yes No

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed.

c

NAME OF AUTHOR

DATES OF BIRTH AND DEATH
Year Born Year Died

Was this contribution to the work a "work made for hire"?
 Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country
OR Citizen of
Domiciled in

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymously? Yes No
Pseudonymously? Yes No

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed.

3

YEAR IN WHICH CREATION OF THIS WORK WAS COMPLETED
2003

DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR WORK
Complete this information ONLY if this work has been published.
Month 2 Day 6 Year 2003
USA

4

COPYRIGHT CLAIMANT(S) Name and address must be given even if the claimant is the same as the author given in space 2.

National Fire Protection Association
1 Batterymarch Park
Quincy MA 02269

TRANSFER If the claimant(s) named here in space 4 is (are) different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright.

APPLICATION RECEIVED
APR 26 2004
ONE DEPOSIT RECEIVED
JAN 30 2004
TWO DEPOSITS RECEIVED
FUNDS RECEIVED

MORE ON BACK Complete all applicable spaces (numbers 5-8) on the reverse side of this page. See detailed instructions. Sign the form at line 8.

DO NOT WRITE HERE
Page 1 of 2 pages

EXAMINED BY *RK*

FORM TX

CHECKED BY *RK*

CORRESPONDENCE
Yes

FOR
COPYRIGHT
OFFICE
USE
ONLY

DO NOT WRITE ABOVE THIS LINE IF YOU NEED MORE SPACE USE A SEPARATE CONTINUATION SHEET

PREVIOUS REGISTRATION Has registration for this work, or for an earlier version of this work, already been made in the Copyright Office?

Yes No If your answer is "Yes" why is another registration being sought? (Check appropriate box) ▼

a This is the first published edition of a work previously registered in unpublished form

b This is the first application submitted by this author as copyright claimant

c This is a changed version of the work, as shown by space 6 on this application

If your answer is Yes give Previous Registration Number ▶ TX 5 515-497

Year of Registration ▶ 2/11/2000

5

DERIVATIVE WORK OR COMPILATION

Preexisting Material Identify any preexisting work or works that this work is based on or incorporates ▼

Previously published standards and codes

a

6

See instructions
before completing
this space

Material Added to This Work Give a brief general statement of the material that has been added to this work and in which copyright is claimed ▼

Some new and revised text

b

DEPOSIT ACCOUNT If the registration fee is to be charged to a Deposit Account established in the Copyright Office give name and number of Account Name ▼ Account Number ▼

a

7

CORRESPONDENCE Give name and address to which correspondence about this application should be sent. Name/Address/Apt/City/State/ZIP ▼

Nanci Kelly
National Fire Protection Association
1 Batterymarch Park
Quincy MA 02260

Area code and daytime telephone number ▶ 617 984-2737

Fax number ▶ 617 984 7222

Email ▶

b

CERTIFICATION I the undersigned hereby certify that I am the

Check only one ▶

author

other copyright claimant

owner of exclusive right(s)

authorized agent of: National Fire Protection Association

Name of author or other copyright claimant, or owner of exclusive right(s) ▲

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge

8

Typed or printed name and date ▼ If this application gives a date of publication in space 3 do not sign and submit it before that date

Nanci Kelly

Date ▶ 1/28/2004

Handwritten signature (X) ▼

x *Nanci Kelly*

Certificate will be mailed in window envelope to this address

Name ▼	Nanci Kelly National Fire Protection Association
Number/Street/Apt ▼	1 Batterymarch Park
City/State/ZIP ▼	Quincy MA 02269

Complete all necessary spaces
Sign your application in space 8

1. Application form
2. Non-refundable filing fee in check or money order payable to Register of Copyrights
3. Deposit material

Library of Congress
Copyright Office TX
101 Independence Avenue S.E.
Washington, D.C. 20540-8222

Fees are subject to change. For current fees, check the Copyright Office website at www.copyright.gov, write the Copyright Office, or call (202) 707-5900.

9

17 USC § 508(e): Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 408 or in any written statement filed in connection with the application shall be fined not more than \$2,500

Certificate of Registration

Form TX
For a Nondramatic Literary Work
UNITED STATES COPYRIGHT OFFICE



This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

Marybeth Peters
Register of Copyrights, United States of America

REG TX 6-261-668
#TX0006261668*

EFFECTIVE DATE OF REGISTRATION

NOV 04 2005

Month Day Year

... IATE CONTINUATION SHEET.

1 TITLE OF THIS WORK ▼
NFPA I Uniform Fire Code, 2006 Edition

PREVIOUS OR ALTERNATIVE TITLES ▼
Same as above

PUBLICATION AS A CONTRIBUTION If this work was published as a contribution to a periodical, serial, or collection, give information about the collective work in which the contribution appeared Title of Collective Work ▼

If published in a periodical or serial give Volume ▼ Number ▼ Issue Date ▼ On Pages ▼

2 a NAME OF AUTHOR ▼
National Fire Protection Association

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"?
 Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country
OR { Citizen of ► USA
Domiciled in ►

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymous? Yes No
Pseudonymous? Yes No
If the answer to either of these questions is "Yes," see detailed instructions

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed ▼

NOTE

Under the law, the "author" of a "work made for hire" is generally the employer, not the employee (see instructions). For any part of this work that was "made for hire" check "Yes" in the space provided, give the employer (or other person for whom the work was prepared) as "Author" of that part, and leave the space for dates of birth and death blank.

b NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"?
 Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country
OR { Citizen of ►
Domiciled in ►

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymous? Yes No
Pseudonymous? Yes No
If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed ▼

c NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"?
 Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country
OR { Citizen of ►
Domiciled in ►

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymous? Yes No
Pseudonymous? Yes No
If the answer to either of these questions is "Yes," see detailed instructions

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed ▼

3 a YEAR IN WHICH CREATION OF THIS WORK WAS COMPLETED
2005
This information must be given in all cases.

b DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR WORK
Month ► 8 Day ► 18 Year ► 2005
Complete this information ONLY if this work has been published.

4 COPYRIGHT CLAIMANT(S) Name and address must be given even if the claimant is the same as the author given in space 2. ▼

National Fire Protection Association
One Batterymarch Park
Quincy, MA 02169

TRANSFER If the claimant(s) named here in space 4 is (are) different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright ▼

APPLICATION RECEIVED

NOV 04 2005

ONE DEPOSIT RECEIVED

NOV 04 2005

TWO DEPOSITS RECEIVED

FUNDS RECEIVED

DO NOT WRITE HERE OFFICE USE ONLY

MORE ON BACK ► • Complete all applicable spaces (numbers 5-9) on the reverse side of this page
• See detailed instructions. • Sign the form at line 8

DO NOT WRITE HERE
Page 1 of 2 pages

*Amended by C.O. from phone call to Nancy Zagrodny on January 4, 2006.

EXAMINED BY AD

FORM TX

CHECKED BY

CORRESPONDENCE
Yes

FOR
COPYRIGHT
OFFICE
USE
ONLY

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

PREVIOUS REGISTRATION Has registration for this work, or for an earlier version of this work, already been made in the Copyright Office?

Yes No If your answer is "Yes," why is another registration being sought? (Check appropriate box.) ▼

5

a. This is the first published edition of a work previously registered in unpublished form.

b. This is the first application submitted by this author as copyright claimant.

c. This is a changed version of the work, as shown by space 6 on this application

If your answer is "Yes," give: Previous Registration Number ▶ TX 5-970-602

Year of Registration ▶ 2003

DERIVATIVE WORK OR COMPILATION

Preexisting Material Identify any preexisting work or works that this work is based on or incorporates ▼

a 6

Previously published codes and standards

See instructions before completing this space.

Material Added to This Work Give a brief, general statement of the material that has been added to this work and in which copyright is claimed ▼

Some new and revised text

b

DEPOSIT ACCOUNT If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account Name ▼ Account Number ▼

a 7

CORRESPONDENCE Give name and address to which correspondence about this application should be sent. Name / Address / Apt / City / State / ZIP ▼

Nancy Zagrodny - National Fire Protection Association
1 Batterymarch Park
Quincy, MA 02169

b

Area code and daytime telephone number ▶ 617-984-7550

Fax number ▶ 617-984-7004

Email ▶ nzagrodny@nfpa.org

CERTIFICATION* I, the undersigned, hereby certify that I am the

Check only one ▶

- author
- other copyright claimant
- owner of exclusive right(s)
- authorized agent of National Fire Protection Association

8

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge

Name of author or other copyright claimant, or owner of exclusive right(s) ▲

Typed or printed name and date ▼ If this application gives a date of publication in space 3, do not sign and submit it before that date.

Nancy Zagrodny

Date ▶ 10/31/2005

Handwritten signature (X) ▼

X Nancy Zagrodny

Certificate will be mailed in window envelope to this address:

Name ▼	National Fire Protection Association - ATTN: NANCY ZAGRODNY
Number/Street/Apt ▼	1 Batterymarch Park
City/State/ZIP ▼	Quincy, MA 02169

YOU MUST:

- Complete all necessary spaces
- Sign your application in space 8

SEND ALL 3 ELEMENTS IN THE SAME PACKAGE:

1. Application form
2. Nonrefundable filing fee in check or money order payable to Register of Copyrights
3. Deposit material

MAIL TO:

Library of Congress
Copyright Office - TX
101 Independence Avenue, S.E.
Washington, D.C. 20559-6222

Fees are subject to change. For current fees, check the Copyright Office website at www.copyright.gov, write the Copyright Office, or call (703) 707-9000

9

*17 U.S.C. § 506(e). Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 409, or in any written statement filed in connection with the application, shall be fined not more than \$2,500.

CERTIFICATE OF REGISTRATION



OFFICIAL SEAL

This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

Marybeth Peters

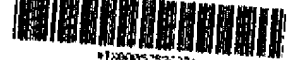
REGISTER OF COPYRIGHTS
United States of America

FORM TX

For a Nondramatic Literary Work
UNITED STATES COPYRIGHT OFFICE

REI

TX 5-752-623



#1800757536224

EFFECTIVE DATE OF REGISTRATION

12 month 30 day 02 Year

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

1

TITLE OF THIS WORK ▼

National Fire Codes Vol. 1-12 and Master Index 2002 Edition

PREVIOUS OR ALTERNATIVE TITLES ▼

PUBLICATION AS A CONTRIBUTION If this work was published as a contribution to a periodical, serial, or collection, give information about the collective work in which the contribution appeared. Title of Collective Work ▼

Volume 1-12 and master index

If published in a periodical or serial give: Volume ▼ Number ▼ Issue Date ▼ On Pages ▼

2

NAME OF AUTHOR ▼

a National Fire Protection Association

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"?
 Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country
OR { Citizen of ▶ USA
Domiciled in ▶

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymous? Yes No
Pseudonymous? Yes No
If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed. ▼

NOTE

Under the law, the "author" of a "work made for hire" is generally the employer, not the employee (see instructions). For any part of this work that was "made for hire" check "Yes" in the space provided, give the employer (or other person for whom the work was prepared) as "Author" of that part, and leave the space for dates of birth and death blank.

b

NAME OF AUTHOR ▼

Was this contribution to the work a "work made for hire"?
 Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country
OR { Citizen of ▶
Domiciled in ▶

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymous? Yes No
Pseudonymous? Yes No
If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed. ▼

c

NAME OF AUTHOR ▼

Was this contribution to the work a "work made for hire"?
 Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country
OR { Citizen of ▶
Domiciled in ▶

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymous? Yes No
Pseudonymous? Yes No
If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed. ▼

3

a

YEAR IN WHICH CREATION OF THIS WORK WAS COMPLETED
2002
This information must be given in all cases.

b

DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR WORK
Month ▶ January Day ▶ 10 Year ▶ 2002
Complete this information ONLY if this work has been published. Nation

4

See instructions before completing this space.

COPYRIGHT CLAIMANT(S) Name and address must be given even if the claimant is the same as the author given in space 2. ▼

National Fire Protection Association
1 Batterymarch Park
Quincy, MA 02269-9101

TRANSFER If the claimant(s) named here in space 4 is (are) different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright. ▼

DO NOT WRITE HERE OFFICE USE ONLY

APPLICATION RECEIVED
MAR 12 2003 12-30-07
ONE DEPOSIT RECEIVED
TWO DEPOSITS RECEIVED
12-30-02
FUNDS RECEIVED

MORE ON BACK ▶ • Complete all applicable spaces (numbers 5-9) on the reverse side of this page.
• See detailed instructions. • Sign the form at line 8.

DO NOT WRITE HERE
Page 1 of 2 pages

EXAMINED BY _____
 CHECKED BY _____
 CORRESPONDENCE
 Yes

FORM TX

 FOR
 COPYRIGHT
 OFFICE
 USE
 ONLY

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

PREVIOUS REGISTRATION Has registration for this work, or for an earlier version of this work, already been made in the Copyright Office?

Yes No If your answer is "Yes," why is another registration being sought? (Check appropriate box.) ▼

- a. This is the first published edition of a work previously registered in unpublished form.
- b. This is the first application submitted by this author as copyright claimant.
- c. This is a changed version of the work, as shown by space 6 on this application.

5

If your answer is "Yes," give: Previous Registration Number ▶ TX 5430-865 Year of Registration ▶ 2001

DERIVATIVE WORK OR COMPILATION

Preexisting Material Identify any preexisting work or works that this work is based on or incorporates. ▼

a 6

Changes made to the new edition

Material Added to This Work Give a brief, general statement of the material that has been added to this work and in which copyright is claimed. ▼

See instructions before completing this space.

b

Additions and changes made throughout

DEPOSIT ACCOUNT If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.
 Name ▼ Account Number ▼

a 7

CORRESPONDENCE Give name and address to which correspondence about this application should be sent. Name/Address/Apt/City/State/ZIP ▼

Nanci Kelly - National Fire Protection Association
 1 Batterymarch Park
 Quincy, MA 02269

b

Area code and daytime telephone number ▶ 617-984-7237

Fax number ▶ 617-984-7222

Email ▶

CERTIFICATION* I, the undersigned, hereby certify that I am the:

Check only one ▶

- author
- other copyright claimant
- owner of exclusive right(s)
- authorized agent of _____
Name of author or other copyright claimant, or owner of exclusive right(s) ▲

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

8

Typed or printed name and date ▼ If this application gives a date of publication in space 3, do not sign and submit it before that date.

Nanci Kelly

Date ▶ 2/28/03

Handwritten signature (X) ▼

X *Nanci Kelly*

Certificate will be mailed in window envelope to this address:

Name ▼
 Nanci Kelly-National Fire Protection Association

Number/Street/Apt ▼
 1 Batterymarch Park

City/State/ZIP ▼
 Quincy, MA 02269-9101

YOU MUST

- Complete all necessary spaces
- Sign your application in space 8

SIGN ALL STATEMENTS IN THE SAME PACKAGE

1. Application form
2. Nonrefundable filing fee in check or money order payable to Register of Copyrights
3. Deposit material

MAR 10
 Library of Congress
 Copyright Office
 101 Independence Avenue, S.E.
 Washington, D.C. 20559-6000

9

*17 U.S.C. § 506(e): Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 409, or in any written statement filed in connection with the application, shall be fined not more than \$2,500.

Certificate of Registration



This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

Marybeth Peters

Register of Copyrights, United States of America

Form TX
For a Nondramatic Literary Work
UNITED STATES COPYRIGHT OFFICE

TX 6-160-768



EFFECTIVE DATE OF REGISTRATION

APR 25 2005

Month Day Year

LATE CONTINUATION SHEET

1

TITLE OF THIS WORK ▼

NFPA 11 Standard for Low Medium and High Expansion Foam 2005 Edition

PREVIOUS OR ALTERNATIVE TITLES ▼

NFPA 11 Same as above 1995 edition

PUBLICATION AS A CONTRIBUTION If this work was published as a contribution to a periodical, serial or collection give information about the collective work in which the contribution appeared **Title of Collective Work ▼**

If published in a periodical or serial give **Volume ▼** **Number ▼** **Issue Date ▼** **On Pages ▼**

2

NAME OF AUTHOR ▼

a National Fire Protection Association

DATES OF BIRTH AND DEATH

Year Born ▼ Year Died ▼

Was this contribution to the work a 'work made for hire'?

Yes

No

AUTHOR'S NATIONALITY OR DOMICILE

Name of Country

OR Citizen of ▶ USA

Domiciled in ▶

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous? Yes No

Pseudonymous? Yes No

If the answer to either of these questions is "Yes" see detailed instructions

NOTE

Under the law the author of a work made for hire is generally the employer not the employee (see instructions) For any part of this work that was made for hire check Yes in the space provided give the employer (or other person for whom the work was prepared) as Author of that part and leave the space for dates of birth and death blank

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed **Entirety**

NAME OF AUTHOR ▼

b

DATES OF BIRTH AND DEATH

Year Born ▼ Year Died ▼

Was this contribution to the work a 'work made for hire'?

Yes

No

AUTHOR'S NATIONALITY OR DOMICILE

Name of Country

OR Citizen of ▶

Domiciled in ▶

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous? Yes No

Pseudonymous? Yes No

If the answer to either of these questions is "Yes" see detailed instructions

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed

NAME OF AUTHOR ▼

c

DATES OF BIRTH AND DEATH

Year Born ▼ Year Died ▼

Was this contribution to the work a 'work made for hire'?

Yes

No

AUTHOR'S NATIONALITY OR DOMICILE

Name of Country

OR Citizen of ▶

Domiciled in ▶

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous? Yes No

Pseudonymous? Yes No

If the answer to either of these questions is "Yes" see detailed instructions

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed

3

a **YEAR IN WHICH CREATION OF THIS WORK WAS COMPLETED** This information must be given Year in all cases
2005

b **DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR WORK** Complete this information ONLY if this work has been published.
Month ▶ 2 Day ▶ 7 Year ▶ 2005

4

COPYRIGHT CLAIMANT(S) Name and address must be given even if the claimant is the same as the author given in space 2 ▼

National Fire Protection Association
1 Batterymarch Park
Quincy MA 02169

TRANSFER If the claimant(s) named here in space 4 is (are) different from the author(s) named in space 2 give a brief statement of how the claimant(s) obtained ownership of the copyright ▼

APR 25 2005

ONE DEPOSIT RECEIVED

APR 25 2005

TWO DEPOSITS RECEIVED

FUNDS RECEIVED

DO NOT WRITE HERE OFFICE USE ONLY

MORE ON BACK ▶ Complete all applicable spaces (numbers 5-9) on the reverse side of this page See detailed instructions Sign the form at line 8

DO NOT WRITE HERE
Page 1 of 1 pages

EXAMINED BY

FORM TX

CHECKED BY

CORRESPONDENCE

Yes

FOR
COPYRIGHT
OFFICE
USE
ONLY

DO NOT WRITE ABOVE THIS LINE IF YOU NEED MORE SPACE USE A SEPARATE CONTINUATION SHEET

PREVIOUS REGISTRATION Has registration for this work, or for an earlier version of this work, already been made in the Copyright Office?

Yes No. If your answer is Yes, why is another registration being sought? (Check appropriate box.)

a This is the first published edition of a work previously registered in unpublished form

b This is the first application submitted by this author as copyright claimant

c This is a changed version of the work as shown by space 6 on this application

If your answer is Yes, give Previous Registration Number ▶ TX 4-068-536

Year of Registration ▶ 1995

5

DERIVATIVE WORK OR COMPILATION

Preexisting Material Identify any preexisting work or works that this work is based on or incorporates

Previously Published

Material Added to This Work Give a brief, general statement of the material that has been added to this work and in which copyright is claimed

Some new and revised text

a 6

See instructions before completing this space

b

DEPOSIT ACCOUNT If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account

Name Account Number

a 7

CORRESPONDENCE Give name and address to which correspondence about this application should be sent Name/Address/Apt./City/State/ZIP

Nancy Zagrodny National Fire Protection Association
1 Batterymarch Park
Quincy, MA 02169

b

Area code and daytime telephone number ▶ 617-984-7550

Fax number ▶ 617 984 7004

E-mail ▶ nzagrodny@nfpa.org

CERTIFICATION I, the undersigned, hereby certify that I am the

Check only one

- author
- other copyright claimant
- owner of exclusive right(s)
- authorized agent of

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge

National Fire Protection Association

Name of author or other copyright claimant, or owner of exclusive right(s)

8

Typed or printed name and date If this application gives a date of publication in space 3, do not sign and submit it before that date

Nancy Zagrodny

Date ▶ 4/11/2005

Handwritten signature (X) ▶

X Nancy Zagrodny

Certificate will be mailed in window envelope to this address

Name

National Fire Protection Association

Number/Street/Apt

1 Batterymarch Park

City/State/ZIP

Quincy, MA 02169

Complete all necessary spaces. Sign your application in space 9.

1. Application form
2. Non-refundable filing fee in check or money order payable to Register of Copyrights
3. Deposit material

Library of Congress
Copyright Office - TX
101 Independence Avenue, S.E.
Washington, D.C. 20540-8222

This procedure is subject to change. For current fees, visit the Copyright Office website at www.copyright.gov or call (202) 755-8222

9

17 U.S.C. § 506(e). Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 409 or in any written statement filed in connection with the application shall be fined not more than \$2,500.

Certificate of Registration



This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

Marybeth Peters
Register of Copyrights, United States of America

Form TX
For a Nondramatic Literary Work
UNITED STATES COPYRIGHT OFFICE

TX 6-232-876



EFFECTIVE DATE OF REGISTRATION

Jun 20, 2005

Month Day Year

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET

1 TITLE OF THIS WORK ▼
NFPA 12 Standard on Carbon Dioxide Extinguishing Systems 2005 Edition

PREVIOUS OR ALTERNATIVE TITLES ▼
NFPA 12 Same as above 1998 Edition

PUBLICATION AS A CONTRIBUTION If this work was published as a contribution to a periodical, serial or collection give information about the collect, ie work in which the contribution appeared Title of Collective Work ▼

If published in a periodical or serial give Volume ▼ Number ▼ Issue Date ▼ On Pages ▼

2 a NAME OF AUTHOR ▼ National Fire Protection Association DATES OF BIRTH AND DEATH Year Born ▼ Year Died ▼

Was this contribution to the work a work made for hire? Yes No
AUTHOR'S NATIONALITY OR DOMICILE Name of Country OR Citizen of USA Domiciled in
WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK Anonymous? Yes No Pseudonymous? Yes No

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed ▼
Entirety

NOTE

Under the law the author of a work made for hire is generally the employer not the employee (see instructions) For any part of this work that was made for hire check Yes in the space provided give the employer (or other person for whom the work was prepared) as Author of that part and leave the space for dates of birth and death blank

b NAME OF AUTHOR ▼ DATES OF BIRTH AND DEATH Year Born ▼ Year Died ▼

Was this contribution to the work a work made for hire? Yes No
AUTHOR'S NATIONALITY OR DOMICILE Name of Country OR Citizen of Domiciled in
WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK Anonymous? Yes No Pseudonymous? Yes No

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed ▼

c NAME OF AUTHOR ▼ DATES OF BIRTH AND DEATH Year Born ▼ Year Died ▼

Was this contribution to the work a work made for hire? Yes No
AUTHOR'S NATIONALITY OR DOMICILE Name of Country OR Citizen of Domiciled in
WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK Anonymous? Yes No Pseudonymous? Yes No

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed ▼

3 a YEAR IN WHICH CREATION OF THIS WORK WAS COMPLETED This information must be given Year in all cases. 2005 b DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR WORK Complete this information ONLY if this work has been published. Month 2 Day 7 Year 2005

4 COPYRIGHT CLAIMANT(S) Name and address must be given even if the claimant is the same as the author given in space 2 ▼
National Fire Protection Association
1 Batterymarch Park
Quincy MA 02169

APPLICATION RECEIVED JUN 20 2005
ONE DEPOSIT RECEIVED JUN 20 2005
TWO DEPOSITS RECEIVED
FUNDS RECEIVED

EXAMINED BY RM FORM TX
 CHECKED BY _____
 CORRESPONDENCE
 Yes

FOR
COPYRIGHT
OFFICE
USE
ONLY

DO NOT WRITE ABOVE THIS LINE IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET

PREVIOUS REGISTRATION Has registration for this work, or for an earlier version of this work, already been made in the Copyright Office?

Yes No If your answer is "Yes" why is another registration being sought? (Check appropriate box.)

a This is the first published edition of a work previously registered in unpublished form

b This is the first application submitted by this author as copyright claimant

c This is a changed version of the work, as shown by space 6 on this application.

If your answer is "Yes" give Previous Registration Number ▶ TX 4 838 538

Year of Registration ▶ 1998

5

DERIVATIVE WORK OR COMPILATION

Preexisting Material Identify any preexisting work or works that this work is based on or incorporates.

a 6

Material Added to This Work Give a brief general statement of the material that has been added to this work and in which copyright is claimed.

b See instructions before completing this space

DEPOSIT ACCOUNT If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account Name Account Number

a 7

CORRESPONDENCE Give name and address to which correspondence about this application should be sent Name/Address/Apt./City/State/ZIP

Nancy Zagrodny - National Fire Protection Association
 1 Batterymarch Park
 Quincy MA 02169

Area code and daytime telephone number ▶ 617-984-7550

Fax number ▶ 617-984-7004

Email ▶ nzagrodny@nfpfa.org

b

CERTIFICATION I, the undersigned, hereby certify that I am the

Check only one ▶

- author
- other copyright claimant
- owner of exclusive right(s)
- authorized agent of National Fire Protection Association

Name of author or other copyright claimant, or owner of exclusive right(s)

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge

8

Typed or printed name and date If this application gives a date of publication in space 3, do not sign and submit it before that date

Nancy Zagrodny

Date ▶ 4/11/2005

Handwritten signature (X)

X *Nancy Zagrodny*

Certificate will be mailed in window envelope to this address

Name	National Fire Protection Association
Number/Street/Apt.	1 Batterymarch Park
City/State/ZIP	Quincy MA 02169

9

Complete all necessary spaces on your application in space 9

- Application Form
- Non-refundable filing fee in check or money order payable to Register of Copyrights
- Deposit material

Library of Congress
 Copyright Office, TX
 101 Independence Avenue, SE
 Washington, D.C. 20540-4222

This certificate is issued pursuant to the Copyright Act of 1909 (17 U.S.C. § 506(a)).

17 U.S.C. § 506(a) Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 409, or in any written statement filed in connection

Certificate of Registration

FORM TX

For a Nondramatic Literary Work
UNITED STATES COPYRIGHT OFFICE

TX 5-905-038



EFFECTIVE DATE OF REGISTRATION

JAN 30 2004
Month Day Year



This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

Marybeth Peters

Register of Copyrights, United States of America

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

1 **TITLE OF THIS WORK** ▼
NFPA 30 Flammable and Combustible Liquids Code 2003 Edition

PREVIOUS OR ALTERNATIVE TITLES ▼
NFPA 30 Flammable and Combustible Liquids Code 2000 edition

PUBLICATION AS A CONTRIBUTION If this work was published as a contribution to a periodical, serial, or collection, give information about the collective work in which the contribution appeared. **Title of Collective Work** ▼

If published in a periodical or serial give: **Volume** ▼ **Number** ▼ **Issue Date** ▼ **On Pages** ▼

2 **a** **NAME OF AUTHOR** ▼ National Fire Protection Association

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"? Yes No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country: USA
OR Citizen of: USA
OR Domiciled in:

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymous? Yes No
Pseudonymous? Yes No

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed. ▼

b **NAME OF AUTHOR** ▼

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"? Yes No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country:
OR Citizen of:
OR Domiciled in:

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymous? Yes No
Pseudonymous? Yes No

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed. ▼

c **NAME OF AUTHOR** ▼

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"? Yes No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country:
OR Citizen of:
OR Domiciled in:

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymous? Yes No
Pseudonymous? Yes No

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed. ▼

3 **a** **YEAR IN WHICH CREATION OF THIS WORK WAS COMPLETED** 2003

b **DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR WORK**
Complete this information ONLY if this work has been published. Month: 3 Day: 7 Year: 2003

4 **COPYRIGHT CLAIMANT(S)** Name and address must be given even if the claimant is the same as the author given in space 2. ▼
National Fire Protection Association
1 Batterymarch Park
Quincy, MA 02169

TRANSFER If the claimant(s) named here in space 4 is (are) different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright. ▼

APPLICATION RECEIVED JAN 30 2004
ONE DEPOSIT RECEIVED JAN 30 2004
TWO DEPOSITS RECEIVED
FUNDS RECEIVED

DO NOT WRITE IN THESE SPACES

See instructions before completing this space.

EXAMINED BY FIS FORM TX
 CHECKED BY _____
 CORRESPONDENCE
 Yes _____

FOR
COPYRIGHT
OFFICE
USE
ONLY

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

PREVIOUS REGISTRATION Has registration for this work, or for an earlier version of this work, already been made in the Copyright Office?
 Yes No If your answer is "Yes," why is another registration being sought? (Check appropriate box.) **5**
 a. This is the first published edition of a work previously registered in unpublished form
 b. This is the first application submitted by this author as copyright claimant
 c. This is a changed version of the work, as shown by space 6 on this application
 If your answer is "Yes," give: Previous Registration Number **TX 5 371-909** Year of Registration **4/13/2001**

DERIVATIVE WORK OR COMPILATION
Preexisting Material Identify any preexisting work or works that this work is based on or incorporates. **a 6**
Previously published standards and codes
 Material Added to This Work: Give a brief, general statement of the material that has been added to the work and in which copyright is claimed. **b**
Some new and revised text

DEPOSIT ACCOUNT If the registration fee is to be charged to a Deposit Account established at the Copyright Office, give name and number of Account Name **a 7**
 Account Number _____

CORRESPONDENCE Give name and address to which correspondence about this application should be sent. Name/Address/Apt/City/State/ZIP **b**
Nanci Kelly - NFPA
1 Batterymarch Park
Quincy, MA 02269
 Area code and daytime telephone number **617-084-7237** Fax number **617-984-7222**
 Email _____

CERTIFICATION: I, the undersigned, hereby certify that I am the **8**
 Check only one: author
 other copyright claimant
 owner of exclusive right(s)
 authorized agent of **National Fire Protection Association**
 Name of author or other copyright claimant, or owner of exclusive right(s) **_____**
 Typed or printed name and date **_____** If this application gives a date of publication in space 3, do not sign and submit it before that date
Nanci Kelly Date **12/17/03**

Handwritten signature (X) **_____**
x Nanci Kelly

Certificates will be mailed in window envelope to this address:

Name _____	Nanci Kelly-NFPA
Number/Street/Apt _____	1 Batterymarch Park
City/State/ZIP _____	Quincy, MA 02269

9
 Complete all necessary spaces
 Sign your application in space 3
 1. Application form
 2. Nonreturnable filing fee in check or money order payable to Register of Copyrights
 3. Deposit material
 Fee schedule chart for small business and individuals
 Library of Congress Copyright Office
 101 Independence Avenue, S.E.
 Washington, D.C. 20540-0001

Certificate of Registration



This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

Marybeth Peters
 Register of Copyrights, United States of America

Form TX
 For a Nondramatic Literary Work
 UNITED STATES COPYRIGHT OFFICE

REGIS'

TX 6-261-666



EFFECTIVE DATE OF REGISTRATION

11 4 05
 Month Day Year

ATE CONTINUATION SHEET.

1

TITLE OF THIS WORK ▼
 NFPA 54 National Fuel Gas Code, 2006 Edition

PREVIOUS OR ALTERNATIVE TITLES ▼
 Same as above

PUBLICATION AS A CONTRIBUTION If this work was published as a contribution to a periodical, serial, or collection, give information about the collective work in which the contribution appeared **Title of Collective Work** ▼

If published in a periodical or serial give: **Volume** ▼ **Number** ▼ **Issue Date** ▼ **On Pages** ▼

2

a **NAME OF AUTHOR** ▼
 National Fire Protection Association

DATES OF BIRTH AND DEATH
 Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"?
 Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE
 Name of Country
 OR { Citizen of ► USA
 Domiciled in ►

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
 Anonymously? Yes No
 Pseudonymously? Yes No
If the answer to either of these questions is "Yes," see detailed instructions

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed. ▼

NOTE

Under the law, the "author" of a "work made for hire" is generally the employer, not the employee (see instructions). For any part of this work that was "made for hire" check "Yes" in the space provided, give the employer (or other person for whom the work was prepared) as "Author" of that part, and leave the space for dates of birth and death blank.

b **NAME OF AUTHOR** ▼

DATES OF BIRTH AND DEATH
 Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"?
 Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE
 Name of Country
 OR { Citizen of ►
 Domiciled in ►

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
 Anonymously? Yes No
 Pseudonymously? Yes No
If the answer to either of these questions is "Yes," see detailed instructions

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed. ▼

c **NAME OF AUTHOR** ▼

DATES OF BIRTH AND DEATH
 Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"?
 Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE
 Name of Country
 OR { Citizen of ►
 Domiciled in ►

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
 Anonymously? Yes No
 Pseudonymously? Yes No
If the answer to either of these questions is "Yes," see detailed instructions

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed. ▼

3

a **YEAR IN WHICH CREATION OF THIS WORK WAS COMPLETED** This information must be given in all cases. Year 2005

b **DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR WORK** Complete this information ONLY if this work has been published. Month 8 Day 18 Year 2005

4

COPYRIGHT CLAIMANT(S) Name and address must be given even if the claimant is the same as the author given in space 2 ▼

National Fire Protection Association
 One Batterymarch Park
 Quincy, MA 02169

TRANSFER If the claimant(s) named here in space 4 is (are) different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright ▼

APPLICATION RECEIVED
NOV 8 4 2005

ONE DEPOSIT RECEIVED
NOV 8 4 2005

TWO DEPOSITS RECEIVED

FUNDS RECEIVED

DO NOT WRITE HERE OFFICE USE ONLY

*Amended by C.O. from phone call to Nancy Zagrodny on January 4, 2006.

EXAMINED BY

DD

FORM TX

CHECKED BY

CORRESPONDENCE
Yes

FOR
COPYRIGHT
OFFICE
USE
ONLY

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

PREVIOUS REGISTRATION Has registration for this work, or for an earlier version of this work, already been made in the Copyright Office?

Yes No If your answer is "Yes," why is another registration being sought? (Check appropriate box) ▼

a. This is the first published edition of a work previously registered in unpublished form

b. This is the first application submitted by this author as copyright claimant

c. This is a changed version of the work, as shown by space 6 on this application

If your answer is "Yes," give: Previous Registration Number ▶ TX 4-737-770

Year of Registration ▶ 1998

5

DERIVATIVE WORK OR COMPILATION

Preexisting Material Identify any preexisting work or works that this work is based on or incorporates. ▼

Previously published codes and standards

Material Added to This Work Give a brief, general statement of the material that has been added to this work and in which copyright is claimed ▼

Some new and revised text

a 6

See instructions
before completing
this space

b

DEPOSIT ACCOUNT If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account Name ▼ Account Number ▼

a 7

CORRESPONDENCE Give name and address to which correspondence about this application should be sent. Name / Address / Apt / City / State / ZIP ▼

Nancy Zagrodny - National Fire Protection Association
1 Batterymarch Park
Quincy, MA 02169

b

Area code and daytime telephone number ▶ 617-984-7550

Fax number ▶ 617-984-7004

Email ▶ nzagrodny@nfpa.org

CERTIFICATION* I, the undersigned, hereby certify that I am the

Check only one ▶ author
 other copyright claimant
 owner of exclusive right(s)
 authorized agent of National Fire Protection Association

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge

Name of author or other copyright claimant, or owner of exclusive right(s) ▲

8

Typed or printed name and date ▼ If this application gives a date of publication in space 3, do not sign and submit it before that date.

Nancy Zagrodny

Date ▶ 10/31/2005

Handwritten signature (X) ▼

X *Nancy Zagrodny*

Certificate will be mailed in window envelope to this address:

Name ▼	National Fire Protection Association - ATTN: NANCY ZAGRODNY
Number/Street/Apt ▼	1 Batterymarch Park
City/State/ZIP ▼	Quincy, MA 02169

YOU MUST:
 • Complete all necessary spaces
 • Sign your application in space 8

SEND ALL 3 ELEMENTS IN THE SAME PACKAGE:

1. Application form
2. Nonrefundable filing fee in check or money order payable to Register of Copyrights
3. Deposit material

MAIL TO:
 Library of Congress
 Copyright Office - TX
 101 Independence Avenue, S.E.
 Washington, D.C. 20559-6222

9

Fees are subject to change. For current fees, check the Copyright Office website at www.copyright.gov, write the Copyright Office, or call (202) 107-3000

*17 U.S.C. § 506(e) Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 409, or in any written statement filed in connection with the application, shall be fined not more than \$2,500

CERTIFICATE OF REGISTRATION



OFFICIAL SEAL

This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

Margbeth Peters
 REGISTER OF COPYRIGHTS
 UNITED STATES OF AMERICA

FORM TX
 For a Nondramatic Literary Work
 UNITED STATES COPYRIGHT OFFICE

TX 5-401-672

 T22035401672

EFFECTIVE DATE OF REGISTRATION

8 24 2001
 Month Day Year

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

1 TITLE OF THIS WORK ▼
National Fire Codes Vol 3 2001 Edition
 PREVIOUS OR ALTERNATIVE TITLES ▼

PUBLICATION AS A CONTRIBUTION If this work was published as a contribution to a periodical, serial, or collection, give information about the collective work in which the contribution appeared. Title of Collective Work ▼

Volume 3
 If published in a periodical or serial give: Volume ▼ Number ▼ Issue Date ▼ On Pages ▼

2 a NAME OF AUTHOR ▼ National Fire Protection Association DATES OF BIRTH AND DEATH
 Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"? Yes No
 AUTHOR'S NATIONALITY OR DOMICILE Name of Country
 OR Citizen of USA
 Domiciled in _____
 WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
 Anonymously? Yes No
 Pseudonymously? Yes No

NOTE

Under the law, the "author" of a "work made for hire" is generally the employer, not the employee (see instructions). For any part of this work that was "made for hire" check "Yes" in the space provided, give the employer (or other person for whom the work was prepared) as "Author" of that part, and leave the space for dates of birth and death blank.

NATURE OF AUTHORSHIP ENTIRETY Briefly describe nature of material created by this author in which copyright is claimed. ▼

b NAME OF AUTHOR ▼ DATES OF BIRTH AND DEATH
 Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"? Yes No
 AUTHOR'S NATIONALITY OR DOMICILE Name of Country
 OR Citizen of USA
 Domiciled in _____
 WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
 Anonymously? Yes No
 Pseudonymously? Yes No

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed. ▼

c NAME OF AUTHOR ▼ DATES OF BIRTH AND DEATH
 Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"? Yes No
 AUTHOR'S NATIONALITY OR DOMICILE Name of Country
 OR Citizen of USA
 Domiciled in _____
 WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
 Anonymously? Yes No
 Pseudonymously? Yes No

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed. ▼

3 a YEAR IN WHICH CREATION OF THIS WORK WAS COMPLETED 2001 **b** DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR WORK
 This information must be given in all cases. Complete this information ONLY if this work has been published. Month: January Day: 10 Year: 2001 Nation

4 COPYRIGHT CLAIMANT(S) Name and address must be given even if the claimant is the same as the author given in space 2. ▼
National Fire Protection Association
1 Batterymarch Park, PO Box 9101
Quincy, MA 02269-9101

DO NOT WRITE HERE OFFICE USE ONLY
 APPLICATION RECEIVED
AUG 24 2001
 ONE DEPOSIT RECEIVED
 TWO DEPOSITS RECEIVED
AUG 24 2001
 FUNDS RECEIVED

TRANSFER If the claimant(s) named here in space 4 is (are) different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright. ▼

MORE ON BACK ▶ • Complete all applicable spaces (numbers 5-9) on the reverse side of this page.
 • See detailed instructions. • Sign the form at box B.

DO NOT WRITE HERE
 Page 1 of 2 pages

EXAMINED BY FORM TX
 CHECKED BY
 CORRESPONDENCE
 Yes

FOR COPYRIGHT OFFICE USE ONLY

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

PREVIOUS REGISTRATION Has registration for this work, or for an earlier version of this work, already been made in the Copyright Office?

- Yes No If your answer is "Yes," why is another registration being sought? (Check appropriate box.) ▼
- a. This is the first published edition of a work previously registered in unpublished form.
 b. This is the first application submitted by this author as copyright claimant.
 c. This is a changed version of the work, as shown by space 6 on this application.
- If your answer is "Yes," give: Previous Registration Number ▶

Year of Registration ▶
 2000

5

DERIVATIVE WORK OR COMPILATION

Preexisting Material Identify any preexisting work or works that this work is based on or incorporates. ▼

Changes made to new edition

Material Added to This Work Give a brief, general statement of the material that has been added to this work and in which copyright is claimed. ▼

Additions and correction made throughout

a 6

See instructions before completing this space.

b

DEPOSIT ACCOUNT If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.

Name ▼ Account Number ▼

a 7

CORRESPONDENCE Give name and address to which correspondence about this application should be sent. Name/Address/Apt/City/State/ZIP ▼

Nanci A. Kelly
 National Fire Protection Association
 1 Batterymarch Park, PO Box 9101
 Quincy, MA 02269

Area code and daytime telephone number ▶

Fax number ▶

Email ▶ 617-984-7237

617-984-7222

b

CERTIFICATION I, the undersigned, hereby certify that I am the

Check only one ▶

- author
 other copyright claimant
 owner of exclusive right(s)
 authorized agent of

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

Name of author or other copyright claimant, or owner of exclusive right(s) A

National Fire Protection Assoc.

8

Typed or printed name and date ▼ If this application gives a date of publication in space 3, do not sign and submit it before that date.

Nanci A. Kelly

Date ▶ 8/16/01

Handwritten signature (X) ▼

X Nanci A. Kelly

Certificate will be mailed in window envelope to this address:

Name ▼ Nanci A. Kelly
 Number/Street/Apt ▼ National Fire Protection
 1 Batterymarch Park
 City/State/ZIP ▼ Quincy, MA 02269

YOU MUST:

- Complete all necessary spaces
- Sign your application in space 6

SEND ALL 3 ELEMENTS IN THE SAME PACKAGE:

1. Application form
2. Nonrefundable filing fee in check or money order payable to Registrar of Copyrights
3. Deposit material

MAIL TO:
 Library of Congress
 Copyright Office
 101 Independence Avenue, S.E.
 Washington, D.C. 20550-6000

9

As of July 1, 1999, the filing fee for Form TX is \$30.

Certificate of Registration

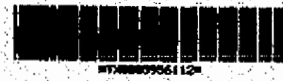
Form TX
For a Nondramatic Literary Work
UNITED STATES COPYRIGHT OFFICE



This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

Margbeth Peters
Register of Copyrights, United States of America

TX 5-956-112



EFFECTIVE DATE OF REGISTRATION

Month 4 Day 26 Year 04

DO NOT WRITE ABOVE THIS LINE IF YOU NEED MORE SPACE USE A SEPARATE CONTINUATION SHEET

1 **TITLE OF THIS WORK** ▼
NFPA 58 Liquefied Petroleum Gas Code 2004 edition

PREVIOUS OR ALTERNATIVE TITLES ▼
NFPA 58 Liquefied Petroleum Gas Code

PUBLICATION AS A CONTRIBUTION If this work was published as a contribution to a periodical, serial, or collection, give information about the collective work in which the contribution appeared. **Title of Collective Work** ▼

If published in a periodical or serial, give: **Volume** ▼ **Number** ▼ **Issue Date** ▼ **On Pages** ▼

2 a **NAME OF AUTHOR** ▼ National Fire Protection Association

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

Was this contribution to the work a work made for hire? Yes No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country: USA
OR Citizen of: USA
Domiciled in:

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymous? Yes No
Pseudonymous? Yes No

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed ▼

NOTE
Under the law the author of a work made for hire is generally the employer not the employee (see instructions). For any part of this work that was made for hire, check "Yes" in the space provided, give the employer (or other person for whom the work was prepared) as Author of that part and leave the space for dates of birth and death blank.

b **NAME OF AUTHOR** ▼

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

Was this contribution to the work a work made for hire? Yes No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country:
OR Citizen of:
Domiciled in:

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymous? Yes No
Pseudonymous? Yes No

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed ▼

c **NAME OF AUTHOR** ▼

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

Was this contribution to the work a work made for hire? Yes No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country:
OR Citizen of:
Domiciled in:

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymous? Yes No
Pseudonymous? Yes No

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed ▼

3 a **YEAR IN WHICH CREATION OF THIS WORK WAS COMPLETED** This information must be given in all cases. 2004

b **DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR WORK** Complete this information ONLY if this work has been published. Month: 2 Day: 12 Year: 2004 USA

4 **COPYRIGHT CLAIMANT(S)** Name and address must be given even if the claimant is the same as the author given in space 2 ▼
National Fire Protection Association
1 Batterymarch Park
Quincy MA 02169

TRANSFER If the claimant(s) named here in space 4 is (are) different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright ▼

APPLICATION RECEIVED
APR 26 2004

ONE DEPOSIT RECEIVED
APR 26 2004

TWO DEPOSITS RECEIVED

FUNDS RECEIVED

DO NOT WRITE HERE
OFFICE USE ONLY

EXAMINED BY

FORM TX

CHECKED BY

CORRESPONDENCE

Yes

FOR
COPYRIGHT
OFFICE
USE
ONLY

DO NOT WRITE ABOVE THIS LINE IF YOU NEED MORE SPACE USE A SEPARATE CONTINUATION SHEET

PREVIOUS REGISTRATION Has registration for this work or for an earlier version of this work already been made in the Copyright Office?

Yes No If your answer is Yes why is another registration being sought? (Check appropriate box) ▼

a This is the first published edition of a work previously registered in unpublished form

b This is the first application submitted by this author as copyright claimant

c This is a changed version of the work as shown by space 6 on this application

If your answer is Yes give Previous Registration Number ▶ TX 4 06 1948

Year of Registration ▶ 6/9/95

5

DERIVATIVE WORK OR COMPILATION

Preexisting Material Identify any preexisting work or works that this work is based on or incorporates ▼

Previously published standards and codes

a

6

Material Added to This Work Give a brief general statement of the material that has been added to this work and in which copyright is claimed ▼

Some new and revised text

b

See instructions
before completing
this space

DEPOSIT ACCOUNT If the registration fee is to be charged to a Deposit Account established in the Copyright Office give name and number of Account Name ▼ Account Number ▼

a

7

CORRESPONDENCE Give name and address to which correspondence about this application should be sent Name/Address/Apt./City/State/ZIP ▼

Nanci Kelly National Fire Protection Association
1 Batterymarch Park
Quincy MA 02169

b

Area code and daytime telephone number ▶ 617-984-7237

Fax number ▶ 617-984-7222

Email ▶ NKelly@nfpa.org

CERTIFICATION I the undersigned hereby certify that I am the

Check only one ▶

- author
- other copyright claimant
- owner of exclusive right(s)
- authorized agent of National Fire Protection Association

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge

Name of author or other copyright claimant, or owner of exclusive right(s) ▲

8

Typed or printed name and date ▼ If this application gives a date of publication in space 3 do not sign and submit it before that date

Nanci Kelly

Date ▶ 4/02/04

Handwritten signature (X) ▼

x *Nanci Kelly*

Certificate will be mailed in window envelope to this address

Name ▼	National Fire Protection Association
Number/Street/Apt ▼	1 Batterymarch Park
City/State/ZIP ▼	Quincy MA 02169

Complete all necessary special forms your application in space 8

1. Application form
2. Non-refundable filing fee in check or money order payable to Register of Copyrights
3. Deposit material

Library of Congress
Copyright Office, TX
101 Independence Avenue, S.E.
Washington, D.C. 20558-0222

Field on envelope to change. For entire list about the Copyright Office, visit www.copyright.gov or call (202) 707-5900

9

17 U.S.C. § 506(a) - Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 409 or in any written statement filed in connection with the application shall be fined not more than \$2,500.

Certificate of Registration

Form TX
For a Nondramatic Literary Work
UNITED STATES COPYRIGHT OFFICE



This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

Marybeth Peters

Register of Copyrights, United States of America

TX 5-953-205



EFFECTIVE DATE OF REGISTRATION

4 26 04
Month Day Year

DO NOT WRITE ABOVE THIS LINE IF YOU NEED MORE SPACE USE A SEPARATE CONTINUATION SHEET

1

TITLE OF THIS WORK ▼
NFPA 59 Utility LP Gas Plant Code 2004 Edition

PREVIOUS OR ALTERNATIVE TITLES ▼
NFPA 59 Utility LP Gas Plant Code

PUBLICATION AS A CONTRIBUTION If this work was published as a contribution to a periodical, serial, or collection, give information about the collective work in which the contribution appeared. **Title of Collective Work** ▼

If published in a periodical or serial give: **Volume** ▼ **Number** ▼ **Issue Date** ▼ **On Pages** ▼

2

NAME OF AUTHOR ▼
a National Fire Protection Association

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

Was this contribution to the work a 'work made for hire'?
 Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country
OR { Citizen of ▶ USA
Domiciled in ▶

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
If the answer to either of these questions is "Yes" see detailed instructions.
Anonymous? Yes No
Pseudonymous? Yes No

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed ▼

NOTE

Under the law the author of a work made for hire is generally the employer, not the employee (see instructions). For any part of this work that was made for hire check "Yes" in the space provided give the employer (or other person for whom the work was prepared) as Author of that part and leave the space for dates of birth and death blank.

NAME OF AUTHOR ▼
b

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

Was this contribution to the work a 'work made for hire'?
 Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country
OR { Citizen of ▶
Domiciled in ▶

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
If the answer to either of these questions is "Yes" see detailed instructions.
Anonymous? Yes No
Pseudonymous? Yes No

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed ▼

NAME OF AUTHOR ▼
c

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

Was this contribution to the work a 'work made for hire'?
 Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country
OR { Citizen of ▶
Domiciled in ▶

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
If the answer to either of these questions is "Yes" see detailed instructions.
Anonymous? Yes No
Pseudonymous? Yes No

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed ▼

3

YEAR IN WHICH CREATION OF THIS WORK WAS COMPLETED This information must be given in all cases.
2004

DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR WORK Complete this information ONLY if this work has been published.
Month ▶ 2 Day ▶ 12 Year ▶ 2004
USA

4

COPYRIGHT CLAIMANT(S) Name and address must be given even if the claimant is the same as the author given in space 2 ▼

National Fire Protection Association
1 Batterymarch Park
Quincy MA 02169

TRANSFER If the claimant(s) named here in space 4 is (are) different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright ▼

APPLICATION RECEIVED
APR 26 2004
ONE DEPOSIT RECEIVED
APR 26 2004
TWO DEPOSITS RECEIVED

FUNDS RECEIVED

MORE ON BACK ▶ Complete all applicable spaces (numbers 6-9) on the reverse side of this page. See detailed instructions. Sign the form at line 6.

DO NOT WRITE HERE
Page 1 of 2 pages

EXAMINED BY lbo FORM TX

CHECKED BY

CORRESPONDENCE
 Yes

FOR
COPYRIGHT
OFFICE
USE
ONLY

DO NOT WRITE ABOVE THIS LINE IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET

PREVIOUS REGISTRATION Has registration for this work or for an earlier version of this work already been made in the Copyright Office?

Yes No If your answer is Yes why is another registration being sought? (Check appropriate box) ▼

a This is the first published edition of a work previously registered in unpublished form

b This is the first application submitted by this author as copyright claimant

c This is a changed version of the work as shown by space 6 on this application

If your answer is Yes give Previous Registration Number ▶ TX 4 838544

Year of Registration ▶ 8/14/98

5

DERIVATIVE WORK OR COMPILATION

Preexisting Material Identify any preexisting work or works that this work is based on or incorporates ▼

Previously published standards and codes

Material Added to This Work Give a brief general statement of the material that has been added to this work and in which copyright is claimed ▼

Some new and revised text

a 6

See instructions
before completing
this space

b

DEPOSIT ACCOUNT If the registration fee is to be charged to a Deposit Account established in the Copyright Office give name and number of Account
Name ▼ Account Number ▼

a 7

CORRESPONDENCE Give name and address to which correspondence about this application should be sent Name/Address/Apt/City/State/ZIP ▼

Nanci Kelly National Fire Protection Association
1 Batterymarch Park
Quincy MA 02169

Area code and daytime telephone number ▶ 617 984-7237

Fax number ▶ 617 984 7222

Email ▶ NKelly@nfpa.org

b

CERTIFICATION* I the undersigned hereby certify that I am the

Check only one ▶

- author
- other copyright claimant
- owner of exclusive right(s)
- authorized agent of National Fire Protection Association

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge

Name of author or other copyright claimant or owner of exclusive right(s) ▲

8

Typed or printed name and date ▼ If this application gives a date of publication in space 3 do not sign and submit it before that date

Nanci Kelly

Date ▶ 3/19/04

Handwritten signature (X) ▼

x Nanci Kelly

Certificate will be mailed in window envelope to this address

Name ▼
National Fire Protection Association

Number/Street/Apt ▼
1 Batterymarch Park

City/State/ZIP ▼
Quincy MA 02169

IMPORTANT
Complete all necessary spaces
Sign your application in space 8

FOR ALL INFORMATION
PLEASE CONTACT THE
COPYRIGHT OFFICE

1 Application form
2 Nonrefundable filing fee in check or money order payable to Register of Copyrights
3 Deposit material

MAIL TO:
Library of Congress
Copyright Office TX
101 Independence Avenue S E
Washington D C 20559-6222

9

Fees are subject to change. For current fees, consult the Copyright Office website at www.copyright.gov or the Copyright Office at (202) 707-5900

17 U.S.C. § 506(e) Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 408 or in any written statement filed in connection with the application shall be fined not more than \$2,500

CERTIFICATE OF REGISTRATION



This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

Marybeth Peters
REGISTER OF COPYRIGHTS
United States of America

FORM TX
UNITED STATES COPYRIGHT OFFICE

REGISTRATION NUMBER

TX 4-092-419



EFFECTIVE DATE OF REGISTRATION

NOV 04 1998

Month Day Year

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

1 TITLE OF THIS WORK ▼

1999 National Electrical Code

PREVIOUS OR ALTERNATIVE TITLES ▼

Same 1996 Edition

PUBLICATION AS A CONTRIBUTION If this work was published as a contribution to a periodical, serial, or collection, give information about the collective work in which the contribution appeared. Title of Collective Work ▼

If published in a periodical or serial give: Volume ▼ Number ▼ Issue Date ▼ On Pages ▼

2 NAME OF AUTHOR ▼

a NATIONAL FIRE PROTECTION ASSOCIATION

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"?
 Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country

OR { Citizen of ► U.S.A.
Domiciled in ►

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymous? Yes No
Pseudonym? Yes No
If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP ENTIRETY Briefly describe nature of the material created by this author in which copyright is claimed. ▼

b NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"?
 Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE
Name of country

OR { Citizen of ► U.S.A.
Domiciled in ►

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymous? Yes No
Pseudonym? Yes No
If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of the material created by this author in which copyright is claimed. ▼

c NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"?
 Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country

OR { Citizen of ►
Domiciled in ►

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymous? Yes No
Pseudonym? Yes No
If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of the material created by this author in which copyright is claimed. ▼

3 YEAR IN WHICH CREATION OF THIS WORK WAS COMPLETED
1998
This information must be given in all cases.

DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR WORK
Complete this information ONLY if this work has been published.
Month ► March Day ► 15 Year ► 1998
U.S.A. Nation

4 COPYRIGHT CLAIMANT(S) Name and address must be given even if the claimant is the same as the author given in space 2. ▼

National Fire Protection Association
One Batterymarch Park, P.O. Box 9101
Quincy, MA 02269-9101

TRANSFER If the claimant(s) named here in space 4 are different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright. ▼

DO NOT WRITE HERE OFFICE USE ONLY
APPLICATION RECEIVED
NOV 04 1998
ONE DEPOSIT RECEIVED
TWO DEPOSITS RECEIVED
NOV 04 1998
REMITTANCE NUMBER AND DATE

MORE ON BACK ▶ Complete all applicable spaces (numbers 5-11) on the reverse side of this page.
See detailed instructions. Sign the form at line 10.

DO NOT WRITE HERE

EXAMINED BY *MS*

FORM TX

CHECKED BY

CORRESPONDENCE
Yes

DEPOSIT ACCOUNT
FUNDS USED

FOR
COPYRIGHT
OFFICE
USE
ONLY

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

PREVIOUS REGISTRATION Has registration for this work, or for an earlier version of this work, already been made in the Copyright Office?

Yes No If your answer is "Yes," why is another registration being sought? (Check appropriate box) ▼

This is the first published edition of a work previously registered in unpublished form.

This is the first application submitted by this author as copyright claimant.

This is a changed version of the work, as shown by space 6 on this application.

If your answer is "Yes," give: Previous Registration Number ▼

Year of Registration ▼

TX 4 222-411

1996

5

DERIVATIVE WORK OR COMPILATION Complete both space 6a & 6b for a derivative work; complete only 6b for a compilation.

a. **Preexisting Material** Identify any preexisting work or works that this work is based on or incorporates. ▼

Changes made to prior edition

b. **Material Added to This Work** Give a brief, general statement of the material that has been added to this work and in which copyright is claimed. ▼

Corrections and additions made throughout.

See instructions
before completing
this space.

6

—space deleted—

7

REPRODUCTION FOR USE OF BLIND OR PHYSICALLY HANDICAPPED INDIVIDUALS

A signature on this form at space 10, and a check in one of the boxes here in space 8, constitutes a non-exclusive grant of permission to the Library of Congress to reproduce and distribute solely for the blind and physically handicapped and under the conditions and limitations prescribed by the regulations of the Copyright Office: (1) copies of the work identified in space of this application in Braille (or similar tactile symbols); or (2) phonorecords embodying a fixation of a reading of that work; or (3) both.

a Copies and Phonorecords

b Copies Only

c Phonorecords Only

See instructions

8

DEPOSIT ACCOUNT If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.

Name ▼

Account Number ▼

9

CORRESPONDENCE Give name and address to which correspondence about this application should be sent. Name/Address/Apt/City/State/Zip ▼

Denise McNamara-Tiller

National Fire Protection Association

One Batterymarch Park, P.O. Box 9101, Quincy, MA 02269-9101

Area Code & Telephone Number ▶

617-984-7237

Be sure to
give your
daytime phone
number

CERTIFICATION* I, the undersigned, hereby certify that I am the

Check one ▶

- author
- other copyright claimant
- owner of exclusive right(s)

authorized agent of National Fire Protection Association

Name of author or other copyright claimant, or owner of exclusive right(s) ▲

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

Typed or printed name and date ▼ If this is a published work, this date must be the same as or later than the date of publication

Denise McNamara-Tiller

date ▶

10/30/98

10

Handwritten signature (X) ▼

Denise McNamara-Tiller

MAIL CERTIFICATE TO

Name ▼	Denise McNamara-Tiller
	National Fire Protection Association
Number/Street/Apartment Number ▼	One Batterymarch Park, P.O. Box 9101
City/State/ZIP ▼	Quincy, MA 02269-9101

certificate will be mailed in indow envelope

YOU MUST

- Complete all necessary spaces
- Sign your application in space 10

SEND ALL 3 ELEMENTS IN THE SAME PACKAGE

1. Application form - *✓*
2. Non-refundable \$40 filing fee in check or money order payable to Register of Copyrights
3. Deposit material

MAIL TO

Register of Copyrights
Library of Congress
Washington, D.C. 20559

11

17 U.S.C. § 506(e). Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 409, or in any written statement filed in connection with the application, shall be fined not more than \$2,500.

Certificate of Registration



This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

Margbeth Peters

Register of Copyrights, United States of America



Form TX
For a Nondramatic Literary Work
UNITED STATES COPYRIGHT OFFICE

REF - -

TX 6-108-410



EFFECTIVE DATE OF REGISTRATION

2 5 2005
Month Day Year

STATE CONTINUATION SHEET

1

TITLE OF THIS WORK ▼
National Electrical Code 2005

PREVIOUS OR ALTERNATIVE TITLES ▼
2002

PUBLICATION AS A CONTRIBUTION If this work was published as a contribution to a periodical, serial, or collection, give information about the collective work in which the contribution appeared. Title of Collective Work ▼

If published in a periodical or serial, give: Volume ▼ Number ▼ Issue Date ▼ On Pages ▼

2

a **NAME OF AUTHOR** ▼
National Fire Protection Association

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

Was this contribution to the work a work made for hire?
 Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country
OR Citizen of USA
Domiciled in

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymously? Yes No
Pseudonymously? Yes No
If the answer to either of these questions is "Yes" see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed ▼

NOTE

Under the law, the author of a work made for hire is generally the employer not the employee (see instructions). For any part of this work that was made for hire check "Yes" in the space provided give the employer (or other person for whom the work was prepared) as Author of that part and leave the space for dates of birth and death blank.

b **NAME OF AUTHOR** ▼

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

Was this contribution to the work a work made for hire?
 Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country
OR Citizen of
Domiciled in

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymously? Yes No
Pseudonymously? Yes No
If the answer to either of these questions is "Yes" see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed ▼

c **NAME OF AUTHOR** ▼

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

Was this contribution to the work a work made for hire?
 Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country
OR Citizen of
Domiciled in

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymously? Yes No
Pseudonymously? Yes No
If the answer to either of these questions is "Yes" see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed ▼

3

a **YEAR IN WHICH CREATION OF THIS WORK WAS COMPLETED** This information must be given in all cases. 2004

b **DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR WORK** Complete this information ONLY if this work has been published. Month 10 Day 8 Year 2004

4

COPYRIGHT CLAIMANT(S) Name and address must be given even if the claimant is the same as the author given in space 2 ▼
National Fire Protection Association
1 Batterymarch Park
Quincy, MA 02169

TRANSFER If the claimant(s) named here in space 4 is (are) different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright ▼

DEPOSIT RECEIVED

ONE DEPOSIT RECEIVED

FEB 05 2005

TWO DEPOSITS RECEIVED

FUNDS RECEIVED

See instructions before completing this space.

DO NOT WRITE HERE OFFICE USE ONLY

MORE ON BACK Complete all applicable spaces (numbers 5-8) on the reverse side of this page. See detailed instructions. Sign the form at line 8.

DO NOT WRITE HERE
Page 1 of 2 pages

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET

PREVIOUS REGISTRATION Has registration for this work or for an earlier version of this work, already been made in the Copyright Office?
 Yes No. If your answer is Yes, why is another registration being sought? (Check appropriate box) ▼

a This is the first published edition of a work previously registered in unpublished form
 b This is the first application submitted by this author as copyright claimant
 c This is a changed version of the work, as shown by space 6 on this application.

If your answer is Yes, give Previous Registration Number ▶ TX 5 457 611 Year of Registration ▶ 2002

5

DERIVATIVE WORK OR COMPILATION
Preexisting Material Identify any preexisting work or works that this work is based on or incorporates ▼

Previously published _____

Material Added to This Work Give a brief, general statement of the material that has been added to this work and in which copyright is claimed ▼

Some new and revised text

a 6
 b See instructions before completing this space.

DEPOSIT ACCOUNT If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account Name ▼ Account Number ▼

a 7
 b

CORRESPONDENCE Give name and address to which correspondence about this application should be sent. Name/Address/Apt./City/State/ZIP ▼

Nancy Zagrodny - National Fire Protection Association
1 Batterymarch Park
Quincy MA 02169

Area code and daytime telephone number ▶ 617-984 7550 Fax number ▶ 617-984 7004
 Email ▶ nzagrodny@nfpa.org

CERTIFICATION I the undersigned hereby certify that I am the _____
 Check only one ▶ author
 other copyright claimant
 owner of exclusive right(s)
 of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

As authorized agent of National Fire Protection Association
 Name of author or other copyright claimant, or owner of exclusive right(s) ▲

Typed or printed name and date ▼ If this application gives a date of publication in space 3, do not sign and exhibit it before that date

Nancy Zagrodny Date ▶ 2/4/05

8

Handwritten signature (X) ▼
 X Nancy Zagrodny

Certificate will be mailed in window envelope to this address

Name ▼	<u>National Fire Protection Association</u>
Number/Street/Apt. ▼	<u>1 Batterymarch Park</u>
City/State/ZIP ▼	<u>Quincy MA 02169</u>

1. _____
 2. _____
 3. _____

Copyright Office, TX
 141 East Commerce Avenue, S.E.
 Washington, D.C. 20540-4004

9

Certificate of Registration



This Certificate issued under the seal of the Copyright Office in accordance with title 17, *United States Code*, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

Maui A. Pallante

Acting Register of Copyrights, United States of America

Registration Number
TX 7-297-325

Effective date of
registration:

December 13, 2010

Title

Title of Work: National Electrical Code, 2011 Edition

Completion/Publication

Year of Completion: 2010

Date of 1st Publication: August 25, 2010

Nation of 1st Publication: United States

Author

Author: NFPA

Author Created: text, photographs, compilation, editing, artwork

Work made for hire: Yes

Citizen of: United States

Domiciled in: United States

Copyright claimant

Copyright Claimant: NFPA

One Batterymarch Park, Quincy, MA, 02169, United States

Previous registration and year: 6-966-113 2008

Rights and Permissions

Organization Name: NFPA

Address: One Batterymarch Park

Quincy, MA 02169 United States

Certification

Name: Nancy M. Zagrodny

Date: December 8, 2010

Certificate of Registration



This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

Marybeth Peters

Register of Copyrights, United States of America

FORM TX

For a Nondramatic Literary Work
UNITED STATES COPYRIGHT OFFICE

REG#

TX 5-841-133



EFFECTIVE DATE OF REGISTRATION

OCT 10 2003
Month Day Year

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

1

TITLE OF THIS WORK ▼

National Fire Alarm Code 2002 Edition

PREVIOUS OR ALTERNATIVE TITLES ▼

PUBLICATION AS A CONTRIBUTION If this work was published as a contribution to a periodical, serial, or collection, give information about the collective work in which the contribution appeared. Title of Collective Work ▼

If published in a periodical or serial give: Volume ▼ Number ▼ Issue Date ▼ On Pages ▼

2

NAME OF AUTHOR ▼

a NFPA

DATES OF BIRTH AND DEATH

Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"?

* Yes
* No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country

OR Citizen of USA
Domiciled in

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous? Yes No
Pseudonym? Yes No

If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed. ▼

NOTE

Under the law, the "author" of a "work made for hire" is generally the employer, not the employee (see instructions). For any part of this work that was "made for hire" check "Yes" in the space provided, give the employer (or other person for whom the work was prepared) as "Author" of that part, and leave the space for dates of birth and death blank.

NAME OF AUTHOR ▼

b

DATES OF BIRTH AND DEATH

Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"?

Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country

OR Citizen of
Domiciled in

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous? Yes No
Pseudonym? Yes No

If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed. ▼

NAME OF AUTHOR ▼

c

DATES OF BIRTH AND DEATH

Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"?

Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country

OR Citizen of
Domiciled in

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

Anonymous? Yes No
Pseudonym? Yes No

If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed. ▼

3

YEAR IN WHICH CREATION OF THIS WORK WAS COMPLETED
2002

This information must be given in all cases.

DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR WORK

Complete this information ONLY if this work has been published.

Month 10 Day 6 Year 2002

4

See instructions before completing this space.

COPYRIGHT CLAIMANT(S) Name and address must be given even if the claimant is the same as the author given in space 2.

*National Fire Protection Association
Battley Manor Park
Quincy, MA 02169*

TRANSFER If the claimant(s) named here in space 4 is (are) different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright. ▼

DO NOT WRITE HERE OFFICE USE ONLY

APPLICATION RECEIVED

OCT 10 2003

ONE DEPOSIT RECEIVED

TWO DEPOSITS RECEIVED

OCT 10 2003

FUNDS RECEIVED

MORE ON BACK ▶ • Complete all applicable spaces (numbers 5-9) on the reverse side of this page.
• See detailed instructions. • Sign the form at line 8.

DO NOT WRITE HERE
Page 1 of 2 pages

*Amended by C.O. from phone call to Nanci Kelly on Nov 13, 2003.

EXAMINED BY

FORM TX

CHECKED BY

CORRESPONDENCE

Yes

FOR
COPYRIGHT
OFFICE
USE
ONLY

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

PREVIOUS REGISTRATION Has registration for this work, or for an earlier version of this work, already been made in the Copyright Office?

Yes No If your answer is "Yes," why is another registration being sought? (Check appropriate box.)

a. This is the first published edition of a work previously registered in unpublished form.

b. This is the first application submitted by this author as copyright claimant.

c. This is a changed version of the work, as shown by space 6 on this application.

If your answer is "Yes," give: Previous Registration Number ▶ TX 5-121-992

Year of Registration ▶

12/23/99

5

DERIVATIVE WORK OR COMPILATION

Preexisting Material Identify any preexisting work or works that this work is based on or incorporates.

*Changes and additions to existing material *Previous edition; Errata issued 1-30-03

Material Added to This Work Give a brief, general statement of the material that has been added to this work and in which copyright is claimed.

*Changes and additions to existing material

a 6

See instructions before completing this space.

b

DEPOSIT ACCOUNT If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.

Name

Account Number

a 7

CORRESPONDENCE Give name and address to which correspondence about this application should be sent. Name/Address/Apt/City/State/ZIP

b

Nanci Kelly - National Fire Protection Association
1 Batterymarch Park
Quincy, MA 02169

Area code and daytime telephone number ▶ 617-984-7237

Fax number ▶ 617-984-7222

Email ▶

CERTIFICATION I, the undersigned, hereby certify that I am the

Check only one ▶

- author
- other copyright claimant
- owner of exclusive right(s)
- authorized agent of _____

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

Name of author or other copyright claimant, or owner of exclusive right(s) ▲

Typed or printed name and date ▼ If this application gives a date of publication in space 3, do not sign and submit it before that date.

Nanci Kelly

Date ▶ 9/26/03

Handwritten signature (S) ▼

x Nanci Kelly

8

Certificates will be mailed in window envelope to this address:

Name ▼
Nanci Kelly - National Fire Protection Association

Number/Street/Apt ▼
1 Batterymarch Park

City/State/ZIP ▼
Quincy, MA 02169

YOU MUST

- * Complete all necessary spaces
- * Sign your application in space 8

SEND ALL 5 APPLICATIONS WITH DANCE PACKAGE

1. Application form
2. Non-refundable filing fee in check or money order payable to Registrar of Copyrights
3. Deposit material

MAILING
Library of Congress
Copyright Office
101 Independence Avenue, S.E.
Washington, D.C. 20559-3000

For the holder's use: For return mail, please the Copyright Office window of your nearest post office for the Copyright Office, or call (202) 707-5900.

9

*17 U.S.C. § 505(e): Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 406, or in any written statement filed in connection with the application, shall be fined not more than \$2,000.

Certificate of Registration

Form TX
For a Nondramatic Literary Work
UNITED STATES COPYRIGHT OFFICE

RE: **TX 6-153-939**



EFFECTIVE DATE OF REGISTRATION

3 **28** **2005**
Month Day Year



This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

Marybeth Peters

Register of Copyrights, United States of America

DO NOT WRITE ABOVE THIS LINE. FOR REVERSE SIDE, SEE CONTINUATION SHEET.

1

TITLE OF THIS WORK ▼
NFPA 99 Health Care Facilities Code 2005 Edition

PREVIOUS OR ALTERNATIVE TITLES ▼
2002

PUBLICATION AS A CONTRIBUTION If this work was published as a contribution to a periodical, serial, or collection, give information about the collective work in which the contribution appeared. **Title of Collective Work** ▼

If published in a periodical or serial give: **Volume** ▼ **Number** ▼ **Issue Date** ▼ **On Pages** ▼

2

NAME OF AUTHOR ▼
a National Fire Protection Association

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"?
 Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country
OR Citizen of **USA**
Domiciled in

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
If the answer to either of these questions is "Yes," see detailed instructions.
Anonymous? Yes No
Pseudonymous? Yes No

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed. ▼

NOTE

Under the law, the "author" of a "work made for hire" is generally the employer, not the employee (see instructions). For any part of this work that was "made for hire" check "Yes" in the space provided, give the employer (or other person for whom the work was prepared) as "Author" of that part, and leave the space for dates of birth and death blank.

NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"?
 Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country
OR Citizen of
Domiciled in

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
If the answer to either of these questions is "Yes," see detailed instructions.
Anonymous? Yes No
Pseudonymous? Yes No

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed. ▼

NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"?
 Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country
OR Citizen of
Domiciled in

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
If the answer to either of these questions is "Yes," see detailed instructions.
Anonymous? Yes No
Pseudonymous? Yes No

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed. ▼

3

YEAR IN WHICH CREATION OF THIS WORK WAS COMPLETED This information must be given in all cases.
2005

DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR WORK Complete this information ONLY if this work has been published.
Month **3** Day **11** Year **2005**

4

COPYRIGHT CLAIMANT(S) Name and address must be given even if the claimant is the same as the author given in space 2. ▼

National Fire Protection Association
1 Batterymarch Park
Quincy, MA 02169

TRANSFER If the claimant(s) named here in space 4 is (are) different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright. ▼

DO NOT WRITE HERE OFFICE USE ONLY
APPLICATION RECEIVED
MAR 28 2005
ONE DEPOSIT RECEIVED
MAR 28 2005
TWO DEPOSITS RECEIVED
FUNDS RECEIVED

See instructions before completing this space.

MORE ON BACK ▶

- Complete all applicable spaces (numbers 5-9) on the reverse side of this page.
- See detailed instructions.
- Sign the form at line 8.

DO NOT WRITE HERE
Page 1 of 2 pages

EXAMINED BY gjm FORM TX

CHECKED BY _____

CORRESPONDENCE
Yes

FOR
COPYRIGHT
OFFICE
USE
ONLY

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

PREVIOUS REGISTRATION Has registration for this work, or for an earlier version of this work, already been made in the Copyright Office?

Yes No If your answer is "Yes," why is another registration being sought? (Check appropriate box.) ▼

- a. This is the first published edition of a work previously registered in unpublished form.
- b. This is the first application submitted by this author as copyright claimant.
- c. This is a changed version of the work, as shown by space 6 on this application.

If your answer is "Yes," give: Previous Registration Number ▶ TX 5-584-948

Year of Registration ▶ 2002

5

DERIVATIVE WORK OR COMPILATION

Preexisting Material Identify any preexisting work or works that this work is based on or incorporates. ▼

Previously published

Material Added to This Work Give a brief, general statement of the material that has been added to this work and in which copyright is claimed. ▼

Some new and revised text

a 6

See instructions before completing this space.

b

DEPOSIT ACCOUNT If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.

Name ▼ Account Number ▼

a 7

CORRESPONDENCE Give name and address to which correspondence about this application should be sent. Name/Address/Apt/City/State/ZIP ▼

Nancy Zagrodny - National Fire Protection Association
1 Batterymarch Park
Quincy, MA 02169

Area code and daytime telephone number ▶ 617-984-7550

Fax number ▶ 617-984-7004

Email ▶ nzagrodny@nfpa.org

b

CERTIFICATION* I, the undersigned, hereby certify that I am the

Check only one ▶

- author
- other copyright claimant
- owner of exclusive right(s)
- authorized agent of National Fire Protection Association

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge

Name of author or other copyright claimant, or owner of exclusive right(s) ▲

8

Typed or printed name and date ▼ If this application gives a date of publication in space 3, do not sign and submit it before that date.

Nancy Zagrodny

Date ▶ 3/22/05

Handwritten signature (X) ▼

X Nancy Zagrodny

Certificate will be mailed in window envelope to this address:

Name ▼
National Fire Protection Association

Number/Street/Apt ▼
1 Batterymarch Park

City/State/ZIP ▼
Quincy, MA 02169

YOU MUST

- Complete all necessary spaces
- Sign your application in space 8

SEND ALL FILEMENTS IN THE SAME PACKAGE

1. Application form
2. Nonrefundable filing fee in check or money order payable to Register of Copyrights
3. Deposit material

MAIL TO

Library of Congress
Copyright Office - TX
101 Independence Avenue, S.E.
Washington, D.C. 20559-6222

9

Fees are subject to change. For current fees, check the Copyright Office website at www.copyright.gov, write the Copyright Office, or call (202) 707-5900.

*17 U.S.C. § 508(e): Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 409, or in any written statement filed in connection with the application, shall be fined not more than \$2,500

CERTIFICATE OF REGISTRATION



OFFICIAL SEAL

This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

Marybeth Peters

REGISTER OF COPYRIGHTS
United States of America

FORM TX
For a Nondramatic Literary Work
UNITED STATES COPYRIGHT OFFICE

TX 5-371-918



EFFECTIVE DATE OF REGISTRATION

13 APR 2001

Month Day Year

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

1

TITLE OF THIS WORK

NFPA 101 Life Safety Code

PREVIOUS OR ALTERNATIVE TITLES

PUBLICATION AS A CONTRIBUTION If this work was published as a contribution to a periodical, serial, or collection, give information about the collective work in which the contribution appeared. Title of Collective Work

If published in a periodical or serial give: Volume Number Issue Date On Pages

2

a NAME OF AUTHOR
National Fire Protection Association

DATES OF BIRTH AND DEATH
Year Born Year Died

Was this contribution to the work a "work made for hire"?
 Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country: USA
OR
Citizen of: _____
Domiciled in: _____

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymous? Yes No
Pseudonymous? Yes No
If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed.
ENTIRELY

NOTE

Under the law, the "author" of a "work made for hire" is generally the employer, not the employee (see instructions). For any part of this work that was "made for hire" check "Yes" in the space provided, give the employer (or other person for whom the work was prepared) as "Author" of that part, and leave the space for dates of birth and death blank.

b NAME OF AUTHOR

DATES OF BIRTH AND DEATH
Year Born Year Died

Was this contribution to the work a "work made for hire"?
 Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country
OR
Citizen of: _____
Domiciled in: _____

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymous? Yes No
Pseudonymous? Yes No
If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed.

c NAME OF AUTHOR

DATES OF BIRTH AND DEATH
Year Born Year Died

Was this contribution to the work a "work made for hire"?
 Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country
OR
Citizen of: _____
Domiciled in: _____

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymous? Yes No
Pseudonymous? Yes No
If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed.

3

a YEAR IN WHICH CREATION OF THIS WORK WAS COMPLETED
2000
This information must be given in all cases.

b DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR WORK
Month: 3 Day: 20 Year: 2000
Complete this information ONLY if this work has been published. Nation

4

COPYRIGHT CLAIMANT(S) Name and address must be given even if the claimant is the same as the author given in space 2.
National Fire Protection Association
One Batterymarch Park
Quincy, MA 02269-9101

TRANSFER If the claimant(s) named here in space 4 is (are) different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright.

APPLICATION RECEIVED
APR 13 2001
ONE DEPOSIT RECEIVED
TWO DEPOSITS RECEIVED
APR 13 2001
FUNDS RECEIVED

DO NOT WRITE HERE OFFICE USE ONLY

MORE ON BACK - Complete all applicable spaces (numbers 5-8) on the reverse side of this page. - See detailed instructions. - Sign the form at line 8.

DO NOT WRITE HERE
Page 1 of _____ pages

EXAMINED BY FORM TX
 CHECKED BY
 CORRESPONDENCE
 Yes

FOR
COPYRIGHT
OFFICE
USE
ONLY

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

PREVIOUS REGISTRATION Has registration for this work, or for an earlier version of this work, already been made in the Copyright Office?
 Yes No If your answer is "Yes," why is another registration being sought? (Check appropriate box.) **5**
 a. This is the first published edition of a work previously registered in unpublished form.
 b. This is the first application submitted by this author as copyright claimant.
 c. This is a changed version of the work, as shown by space 6 on this application.
 If your answer is "Yes," give: Previous Registration Number TX4 737 773 Year of Registration 3/11/98

DERIVATIVE WORK OR COMPILATION
 Preexisting Material: Identify any preexisting work or works that this work is based on or incorporates. **a 6**
Changes made to prior edition:
 Material Added to This Work: Give a brief, general statement of the material that has been added to this work and in which copyright is claimed. **b**
Corrections and additions made throughout.
 See instructions before completing this space.

DEPOSIT ACCOUNT If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account. **a 7**
 Name Account Number

CORRESPONDENCE Give name and address to which correspondence about this application should be sent. Name/Address/Apt/City/State/ZIP **b**
Nanci Kelly
NFPA
One Batterymarch Park
Quincy, MA 02269-9101 617-984-7237 Fax number 617-984-7222
 Area code and daytime telephone number
 Email

CERTIFICATION I, the undersigned, hereby certify that I am the **8**
 Check only one author
 other copyright claimant
 owner of exclusive right(s)
 authorized agent of National Fire Protection Assoc.
 of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.
 Name of author or other copyright claimant, or owner of exclusive right(s)
 Typed or printed name and date Nanci Kelly Date 4/4/01
 If this application gives a date of publication in space 8, do not sign and submit it before that date.

Handwritten signature Nanci Kelly

Certificate will be mailed in window envelope to this address:

Name Nanci Kelly
National Fire Protection Association
 Number/Street/Apt One Batterymarch Park
 City/State/ZIP Quincy, MA 02269-9101

9
 * Complete all necessary spaces.
 * Sign your application in space 8.
 SEND THIS TO:
 Copyright Office
 Library of Congress
 Copyright Office
 101 Independence Avenue, S.E.
 Washington, D.C. 20540-6000
 As of July 1, 1992, the filing fee for Form TX is \$30.

Certificate of Registration

FORM TX

For a Nondramatic Literary Work
UNITED STATES COPYRIGHT OFFICE

REGID

TX 5-841-134



EFFECTIVE DATE OF REGISTRATION

OCT 10 2003

Month Day Year



This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

Marybeth Peters

Register of Copyrights, United States of America

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

1

TITLE OF THIS WORK ▼

Life Safety Code 2003 Edition NFPA 101

PREVIOUS OR ALTERNATIVE TITLES ▼

PUBLICATION AS A CONTRIBUTION If this work was published as a contribution to a periodical, serial, or collection, give information about the collective work in which the contribution appeared. Title of Collective Work ▼

If published in a periodical or serial give: Volume ▼ Number ▼ Issue Date ▼ On Pages ▼

2

a NAME OF AUTHOR ▼

Nation Fire Protection Association

DATES OF BIRTH AND DEATH

Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"?
 Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country
OR { Citizen of ► USA
Domiciled in ►

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymous? Yes No
Pseudonymous? Yes No

If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP ENTIRETY Briefly describe nature of material created by this author in which copyright is claimed. ▼

NOTE

Under the law, the "author" of a "work made for hire" is generally the employer, not the employee (see instructions). For any part of this work that was "made for hire" check "Yes" in the space provided, give the employer (or other person for whom the work was prepared) as "author" of that part, and leave the space for dates of birth and death blank.

b NAME OF AUTHOR ▼

Was this contribution to the work a "work made for hire"?
 Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country
OR { Citizen of ►
Domiciled in ►

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymous? Yes No
Pseudonymous? Yes No

If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed. ▼

c NAME OF AUTHOR ▼

Was this contribution to the work a "work made for hire"?
 Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country
OR { Citizen of ►
Domiciled in ►

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymous? Yes No
Pseudonymous? Yes No

If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed. ▼

3

a YEAR IN WHICH CREATION OF THIS WORK WAS COMPLETED
2003
This information must be given in all cases.

b

DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR WORK
Complete this information ONLY if this work has been published.
Month ► 1 - *2 Day ► 2 - *6 Year ► 2003
◀ Nation

4

COPYRIGHT CLAIMANT(S) Name and address must be given even if the claimant is the same as the author given in space 2. ▼

National Fire Protection Association
1 Batterymarch Park
Quincy, MA 02169

TRANSFER If the claimant(s) named here in space 4 is (are) different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright. ▼

APPLICATION RECEIVED
OCT 10 2003
ONE DEPOSIT RECEIVED
TWO DEPOSITS RECEIVED
OCT 10 2003
FUNDS RECEIVED

DO NOT WRITE HERE OFFICE USE ONLY

MORE ON BACK ▶ • Complete all applicable spaces (numbers 5-9) on the reverse side of this page.
• See detailed instructions. • Sign the form at line 5.

DO NOT WRITE HERE
Page 1 of 2 Pages

*Amended by C.O. from phone call to Nanci Kelly on Nov 13, 2003.

EXAMINED BY	<i>[Signature]</i>	FORM TX
CHECKED BY		
<input type="checkbox"/> CORRESPONDENCE		FOR COPYRIGHT OFFICE USE ONLY
Yes		

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

PREVIOUS REGISTRATION Has registration for this work, or for an earlier version of this work, already been made in the Copyright Office?
 Yes No If your answer is "Yes," why is another registration being sought? (Check appropriate box.)
 a. This is the first published edition of a work previously registered in unpublished form.
 b. This is the first application submitted by this author as copyright claimant.
 c. This is a changed version of the work, as shown by space 6 on this application.
 If your answer is "Yes," give: Previous Registration Number ▶ **TXS-371-918** Year of Registration ▶ **2000**

5

DERIVATIVE WORK OR COMPILATION
 Preexisting Material Identify any preexisting work or works that this work is based on or incorporates.
 *Changed and additions to existing material: *Previous edition

a 6

Material Added to This Work Give a brief, general statement of the material that has been added to this work and in which copyright is claimed.
 Corrections and additions made throughout

b See instructions before completing this space.

DEPOSIT ACCOUNT If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.
 Name Account Number

a 7

CORRESPONDENCE Give name and address to which correspondence about this application should be sent. Name/Address/Apt/City/State/ZIP
 Nanci Kelly -National Fire Protection Association
 1 Batterymarch Park
 Quincy, MA 02169
 Area code and daytime telephone number ▶ 617-984-7237 Fax number ▶ 617-984-72222
 Email ▶ nkelly@nfpa.org

b

CERTIFICATION I, the undersigned, hereby certify that I am the
 Check only one author
 other copyright claimant
 owner of exclusive right(s)
 authorized agent of **National Fire Protection Assoc.**
 of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.
 Name of author or other copyright claimant, or owner of exclusive right(s)

8

Typed or printed name and date If this application gives a date of publication in space 3, do not sign and submit it before that date.
 Nanci Kelly Date ▶ 9/24/03

Handwritten signature (X) *Nanci Kelly*

Certificate will be mailed in window envelope to this address:

Name	Nanci Kelly
Number/Street/Apt	1 Batterymarch Park
City/State/ZIP	Quincy, MA 02169

YOU MUST:
 • Complete all necessary spaces
 • Sign your application in space 8
 BIND AND PRINT IN THE SAME PACKAGE
 1. Application form
 2. Non-refundable filing fee in check or money order payable to Register of Copyrights
 3. Deposit material
 MAIL TO
 Library of Congress
 Copyright Office
 101 Independence Avenue, S.E.
 Washington, D.C. 20540-4000

9

Certificate of Registration

Form TX
For a Nondramatic Literary Work
UNITED STATES COPYRIGHT OFFICE



This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

Marybeth Peters
Register of Copyrights, United States of America

REGISTRATION NUMBER

TX 6-294-334



NOV 04 2005

Month Day Year

DATE CONTINUATION SHEET.

1 **TITLE OF THIS WORK** ▼
NFPA 101 Life Safety Code, 2006 Edition

PREVIOUS OR ALTERNATIVE TITLES ▼
Same as above

PUBLICATION AS A CONTRIBUTION If this work was published as a contribution to a periodical, serial, or collection, give information about the collective work in which the contribution appeared. **Title of Collective Work** ▼

If published in a periodical or serial give: **Volume** ▼ **Number** ▼ **Issue Date** ▼ **On Pages** ▼

2 **a** **NAME OF AUTHOR** ▼ National Fire Protection Association

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"? Yes No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country: USA
OR { Citizen of: USA
Domiciled in: _____

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymous? Yes No
Pseudonymous? Yes No

If the answer to either of these questions is "Yes," see detailed instructions.

NOTE

Under the law, the "author" of a "work made for hire" is generally the employer, not the employee (see instructions). For any part of this work that was "made for hire" check "Yes" in the space provided, give the employer (or other person for whom the work was prepared) as "Author" of that part, and leave the space for dates of birth and death blank.

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed. ▼

b **NAME OF AUTHOR** ▼

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"? Yes No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country: _____
OR { Citizen of: _____
Domiciled in: _____

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymous? Yes No
Pseudonymous? Yes No

If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed. ▼

c **NAME OF AUTHOR** ▼

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"? Yes No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country: _____
OR { Citizen of: _____
Domiciled in: _____

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymous? Yes No
Pseudonymous? Yes No

If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed. ▼

3 **a** **YEAR IN WHICH CREATION OF THIS WORK WAS COMPLETED** 2005 This information must be given in all cases.

b **DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR WORK**
Month 8 Day 18 Year 2005 Complete this information ONLY if this work has been published.

4 **COPYRIGHT CLAIMANT(S)** Name and address must be given even if the claimant is the same as the author given in space 2. ▼
National Fire Protection Association
One Batterymarch Park
Quincy, MA 02169

TRANSFER If the claimant(s) named here in space 4 is (are) different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright. ▼

APPLICATION RECEIVED
NOV 04 2005

ONE DEPOSIT RECEIVED
NOV 04 2005 1, 20.06

TWO DEPOSITS RECEIVED


FUNDS RECEIVED

DO NOT WRITE HERE OFFICE USE ONLY

MORE ON BACK ▶ • Complete all applicable spaces (numbers 5-9) on the reverse side of this page.
• See detailed instructions. • Sign the form at line 6.

DO NOT WRITE HERE
Page 1 of 2 pages

*Amended by C.O. from phone call to Nancy Zagrodny on January 4, 2006.

EXAMINED BY 	FORM TX
CHECKED BY	
<input checked="" type="checkbox"/> CORRESPONDENCE Yes	FOR COPYRIGHT OFFICE USE ONLY

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

PREVIOUS REGISTRATION Has registration for this work, or for an earlier version of this work, already been made in the Copyright Office?

Yes No If your answer is "Yes," why is another registration being sought? (Check appropriate box.) ▼

- a. This is the first published edition of a work previously registered in unpublished form.
- b. This is the first application submitted by this author as copyright claimant.
- c. This is a changed version of the work, as shown by space 6 on this application.

If your answer is "Yes," give: Previous Registration Number ▶ TX 5-841-134

Year of Registration ▶ 2003

5

DERIVATIVE WORK OR COMPILATION

Preexisting Material Identify any preexisting work or works that this work is based on or incorporates. ▼

Previously published codes and standards

Material Added to This Work Give a brief, general statement of the material that has been added to this work and in which copyright is claimed. ▼

Some new and revised text

a 6

See instructions before completing this space.

b

DEPOSIT ACCOUNT If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.

Name ▼ Account Number ▼

a 7

CORRESPONDENCE Give name and address to which correspondence about this application should be sent. Name/Address/Apt/City/State/ZIP ▼

Nancy Zagrodny - National Fire Protection Association
1 Batterymarch Park
Quincy, MA 02169

b

Area code and daytime telephone number ▶ 617-984-7550

Fax number ▶ 617-984-7004

Email ▶ nzagrodny@nfpa.org

CERTIFICATION* I, the undersigned, hereby certify that I am the

Check only one ▶

- author
- other copyright claimant
- owner of exclusive right(s)
- authorized agent of

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

National Fire Protection Association

Name of author or other copyright claimant, or owner of exclusive right(s) ▲

8

Typed or printed name and date ▼ If this application gives a date of publication in space 3, do not sign and submit it before that date.

Nancy Zagrodny

Date ▶ 10/312005

Handwritten signature (X) ▼

X Nancy Zagrodny

Certificate will be mailed in window envelope to this address:

Name ▼	National Fire Protection Association - ATTN: NANCY ZAGRODNY
Number/Street/Apt ▼	1 Batterymarch Park
City/State/ZIP ▼	Quincy, MA 02169

1. Application form
2. Nonrefundable filing fee in check or money order payable to Register of Copyrights
3. Deposit material

Library of Congress
Copyright Office - TX
101 Independence Avenue, S.E.
Washington, D.C. 20540-4222

9

Fees are subject to change. For current fees, check the Copyright Office website at www.copyright.gov or the Copyright Office, at (703) 707-3000.

*17 U.S.C. § 508(e): Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 409, or in any written statement filed in connection with the application, shall be fined not more than \$2,500.

Certificate of Registration




This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

Marybeth Peters

Register of Copyrights, United States of America

Form TX
For a Nondramatic Literary Work
UNITED STATES COPYRIGHT OFFICE

TX 6-445-855

 TX000664458554

TXU
EFFECTIVE DATE OF REGISTRATION
 10 18 06
 Month Day Year

DO NOT WRITE ABOVE THIS LINE. FOR MORE SPACE, USE AN APPROPRIATE CONTINUATION SHEET.

1 TITLE OF THIS WORK ▼
 NFPA 704 Standard System for the Identification of the Hazards of Materials for Emergency Response, 2007 Edition

PREVIOUS OR ALTERNATIVE TITLES ▼
 Identification of the Fire Hazards of Materials

PUBLICATION AS A CONTRIBUTION If this work was published as a contribution to a periodical, serial, or collection, give information about the collective work in which the contribution appeared. Title of Collective Work ▼

If published in a periodical or serial give: Volume ▼ Number ▼ Issue Date ▼ On Pages ▼

2 NAME OF AUTHOR ▼ DATES OF BIRTH AND DEATH
 a National Fire Protection Association Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"?
 Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE
 Name of Country
 OR { Citizen of ▶ USA
 Domiciled in ▶

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
 Anonymously? Yes No
 Pseudonymously? Yes No
If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed. ▼
 Entirety

NOTE

Under the law, the "author" of a "work made for hire" is generally the employer, not the employee (see instructions). For any part of this work that was "made for hire" check "Yes" in the space provided, give the employer (or other person for whom the work was prepared) as "Author" of that part, and leave the space for dates of birth and death blank.

NAME OF AUTHOR ▼ DATES OF BIRTH AND DEATH
 Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"?
 Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE
 Name of Country
 OR { Citizen of ▶
 Domiciled in ▶

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
 Anonymously? Yes No
 Pseudonymously? Yes No
If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed. ▼

NAME OF AUTHOR ▼ DATES OF BIRTH AND DEATH
 Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"?
 Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE
 Name of Country
 OR { Citizen of ▶
 Domiciled in ▶

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
 Anonymously? Yes No
 Pseudonymously? Yes No
If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed. ▼

3 a YEAR IN WHICH CREATION OF THIS WORK WAS COMPLETED This information must be given in all cases. 2006
 b DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR WORK Complete this information ONLY if this work has been published. Month ▶ 8 Day ▶ 17 Year ▶ 2006

4 COPYRIGHT CLAIMANT(S) Name and address must be given even if the claimant is the same as the author given in space 2. ▼
 National Fire Protection Assn.
 One Batterymarch Park
 Quincy, MA 02169

See instructions before completing this space.

TRANSFER If the claimant(s) named here in space 4 is (are) different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright. ▼

APPLICATION RECEIVED
OCT 18 2006
 ONE DEPOSIT RECEIVED
OCT 18 2006
 TWO DEPOSITS RECEIVED
 FUNDS RECEIVED

DO NOT WRITE HERE OFFICE USE ONLY

EXAMINED BY *mw*

FORM TX

CHECKED BY

CORRESPONDENCE

Yes

FOR
COPYRIGHT
OFFICE
USE
ONLY

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

PREVIOUS REGISTRATION Has registration for this work, or for an earlier version of this work, already been made in the Copyright Office?

Yes No If your answer is "Yes," why is another registration being sought? (Check appropriate box.) ▼

a. This is the first published edition of a work previously registered in unpublished form.

b. This is the first application submitted by this author as copyright claimant.

c. This is a changed version of the work, as shown by space 6 on this application.

If your answer is "Yes," give: Previous Registration Number ▶ TX 2-889-7802

Year of Registration ▶ 1990

5

DERIVATIVE WORK OR COMPILATION

Preexisting Material Identify any preexisting work or works that this work is based on or incorporates. ▼

Previously Published

Material Added to This Work Give a brief, general statement of the material that has been added to this work and in which copyright is claimed. ▼

Some new and revised text

a 6

See instructions
before completing
this space.

b

DEPOSIT ACCOUNT If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.

Name ▼

Account Number ▼

a 7

CORRESPONDENCE Give name and address to which correspondence about this application should be sent. Name / Address / Apt / City / State / ZIP ▼

Nancy Zagrodny - National Fire Protection Association
1 Batterymarch Park
Quincy, MA 02169

b

Area code and daytime telephone number ▶ 617-984-7550

Fax number ▶ 617-984-7004

Email ▶
nzagrodny@nfpa.org

CERTIFICATION* I, the undersigned, hereby certify that I am the

Check only one ▶

- author
- other copyright claimant
- owner of exclusive right(s)
- authorized agent of National Fire Protection Association

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

Name of author or other copyright claimant, or owner of exclusive right(s) ▲

8

Typed or printed name and date ▼ If this application gives a date of publication in space 3, do not sign and submit it before that date.

Nancy Zagrodny

Date ▶ 10/13/06

Handwritten signature (X) ▼

X *Nancy Zagrodny*

Certificate will be mailed in window envelope to this address:

Name ▼

National Fire Protection Association - ATTN: NANCY ZAGRODNY

Number/Street/Apt ▼

1 Batterymarch Park

City/State/ZIP ▼

Quincy, MA 02169

YOU MUST

- Complete all necessary spaces
- Sign your application in space 8

SEND ALL RECEIPTS IN THE SAME PACKAGE

1. Application form
2. Nonrefundable filing fee in check or money order payable to Register of Copyrights
3. Deposit material

MAIL TO

Library of Congress
Copyright Office - TX
101 Independence Avenue, S.E.
Washington, D.C. 20559-6222

Fee are subject to change. For current fees, check the Copyright Office website at www.copyright.gov, write the Copyright Office, or call (202) 707-9000.

9

*17 U.S.C. § 506(e): Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 409, or in any written statement filed in connection with the application, shall be fined not more than \$2,500.

Certificate of Registration



This Certificate issued under the seal of the Copyright Office in accordance with title 17, *United States Code*, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

Marybeth Peters

Register of Copyrights, United States of America

Registration Number:
TX 6-966-113

Effective date of
registration:

December 3, 2007

Title

Title of Work: NFPA 70 National Electrical Code, 2008 Edition
Previous or Alternative Title: NFPA 70 National Electrical Code

Completion/ Publication

Year of Completion: 2007
Date of 1st Publication: August 15, 2007

Author

▪ **Author:** National Fire Protection Association

Author Created: Entirety

Work made for hire: Yes

Citizen of: United States

Anonymous: No

Pseudonymous: No

Copyright claimant

Copyright Claimant: National Fire Protection Assn.
One Batterymarch Park, Quincy, MA, 02169

Limitation of copyright claim

Material excluded from this claim: Previously Published

Previously registered: Yes

Previous registration and year: TX 6-108-410 2005

New material included in claim: Some new and revised text

Certification

Name: Nancy Zagrodny

Date: November 29, 2007

Registration #: TX0006966113

Service Request #: 1-33580303

National Fire Protection Assn
Nancy Zagrodny
One Batterymarch Park
Quincy, MA 02169

Certificate of Registration



This Certificate issued under the seal of the Copyright Office in accordance with title 17, *United States Code*, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

Maria A. Pallante

Register of Copyrights, United States of America

Registration Number
TX 7-935-064

Effective date of registration:
July 25, 2014

Title

Title of Work: National Electrical Code, 2014 Edition

Completion/Publication

Year of Completion: 2013

Date of 1st Publication: November 1, 2013

Nation of 1st Publication: United States

Author

▪ **Author:** NFPA

Author Created: text, photographs, compilation, editing, artwork

Work made for hire: Yes

Citizen of: United States

Copyright claimant

Copyright Claimant: NFPA

One Batterymarch Park, Quincy, MA, 02169, United States

Limitation of copyright claim

Previous registration and year: 7-297-325 2011

Certification

Name: Nancy M. Zagrodny

Date: July 14, 2014

EXHIBIT 16

CERTIFICATE OF REGISTRATION

FORM TX

For a Literary Work



This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.



Marybeth Peters

REGISTER OF COPYRIGHTS
United States of America

TX 3-832-628



EFFECTIVE DATE OF REGISTRATION

June 16 94
Month Day Year

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

1

TITLE OF THIS WORK ▼

1993 ASHRAE Handbook--Fundamentals Inch-Pound Edition

PREVIOUS OR ALTERNATIVE TITLES ▼

PUBLICATION AS A CONTRIBUTION If this work was published as a contribution to a periodical, serial, or collection, give information about the collective work in which the contribution appeared. Title of Collective Work ▼

If published in a periodical or serial give: Volume ▼ Number ▼ Issue Date ▼ On Pages ▼

2

a NAME OF AUTHOR ▼
American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"?
 Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country
OR { Citizen of ▶ USA
Domiciled in ▶

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymous? Yes No
Pseudonymous? Yes No
If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed. ▼
Collective work

NOTE
Under the law, the "author" of 1,

NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"?
 Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country
OR { Citizen of ▶
Domiciled in ▶

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymous? Yes No
Pseudonymous? Yes No
If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed. ▼

NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"?
 Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country
OR { Citizen of ▶
Domiciled in ▶

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymous? Yes No
Pseudonymous? Yes No
If the answer to either of these questions is "Yes," see detailed instructions.

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed. ▼

death blank.

3

a YEAR IN WHICH CREATION OF THIS WORK WAS COMPLETED
1993
This information must be given in all cases.

b DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR WORK
Month ▶ May Day ▶ 15 Year ▶ 1993
USA
Nation

4

COPYRIGHT CLAIMANT(S) Name and address must be given even if the claimant is the same as the author given in space 2. ▼
American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.
1791 Tullie Circle NE, Atlanta, GA 30329

TRANSFER If the claimant(s) named here in space 4 is (are) different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright. ▼

APPLICATION RECEIVED
ONE DEPOSIT RECEIVED
TWO DEPOSITS RECEIVED
FUNDS RECEIVED

DO NOT WRITE HERE OFFICE USE ONLY

MORE ON BACK ▶ • Complete all applicable spaces (numbers 5-11) on the reverse side of this page.
• See detailed instructions. • Sign the form at line 10.

DO NOT WRITE HERE
Page 1 of 2 pages

ASHRAE0001590

EXAMINED BY John
CHECKED BY

FORM TX

CORRESPONDENCE
Yes

FOR
COPYRIGHT
OFFICE
USE
ONLY

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

PREVIOUS REGISTRATION Has registration for this work, or for an earlier version of this work, already been made in the Copyright Office?

Yes No If your answer is "Yes," why is another registration being sought? (Check appropriate box) ▼

- a. This is the first published edition of a work previously registered in unpublished form.
- b. This is the first application submitted by this author as copyright claimant.
- c. This is a changed version of the work, as shown by space 6 on this application.

If your answer is "Yes," give: Previous Registration Number ▼

TX 2 621 082

Year of Registration ▼

1989

5

DERIVATIVE WORK OR COMPILATION Complete both space 6a and 6b for a derivative work; complete only 6b for a compilation.

a. Preexisting Material Identify any preexisting work or works that this work is based on or incorporates. ▼

b. Material Added to This Work Give a brief, general statement of the material that has been added to this work and in which copyright is claimed. ▼

Information added and updated to reflect current industry practice

See instructions
before completing
this space.

6

—space deleted—

7

REPRODUCTION FOR USE OF BLIND OR PHYSICALLY HANDICAPPED INDIVIDUALS A signature on this form at space 10 and a check in one of the boxes here in space 8 constitutes a non-exclusive grant of permission to the Library of Congress to reproduce and distribute solely for the blind and physically handicapped and under the conditions and limitations prescribed by the regulations of the Copyright Office: (1) copies of the work identified in space 1 of this application in Braille (or similar tactile symbols); or (2) phonorecords embodying a fixation of a reading of that work; or (3) both.

Copies and Phonorecords

Copies Only

Phonorecords Only

See instructions.

8

DEPOSIT ACCOUNT If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.

Name ▼ American Society of Heating, Refriger-

ating and Air-Conditioning Engineers, Inc.

Account Number ▼ DA019739

9

CORRESPONDENCE Give name and address to which correspondence about this application should be sent. Name/Address/Apt/City/State/ZIP ▼

Robert A. Parsons, ASHRAE 1791 Tullie Circle NE, Atlanta, GA 30329

Area Code and Telephone Number ▶

(404) 636-8400

Be sure to
give your
daytime phone
number

CERTIFICATION* I, the undersigned, hereby certify that I am the

Check only one ▶

- author
- other copyright claimant
- owner of exclusive right(s)
- authorized agent of

ASHRAE, Inc.

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

Name of author or other copyright claimant, or owner of exclusive right(s) ▲

Typed or printed name and date ▼ If this application gives a date of publication in space 3, do not sign and submit it before that date.

Robert A. Parsons

date ▶ 5/17/94

10

Handwritten signature (X) ▼



Robert A. Parsons

MAIL
CERTIFI-
CATE TO

Name ▼

Robert A. Parsons, c/o ASHRAE

Number/Street/Apartment Number ▼

1791 Tullie Circle NE

City/State/ZIP ▼

Atlanta, GA 30329

Certificate
will be
mailed in
window
envelope

YOU MUST:

- Complete all necessary spaces
- Sign your application in space 10

SEND ALL 3 ELEMENTS
IN THE SAME PACKAGE:

1. Application form
2. Nonrefundable \$20 filing fee in check or money order payable to Register of Copyrights
3. Deposit material

MAIL TO:

Register of Copyrights
Library of Congress
Washington, D.C. 20559-6000

The Copyright Office has the authority to adjust fees at 5-year intervals, based on changes in the Consumer Price Index. The next adjustment is due in 1995. Please contact the Copyright Office after July 1995 to determine the actual fee schedule.

11

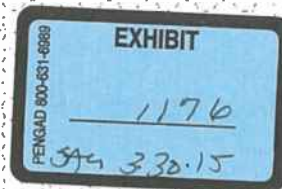
*17 U.S.C. § 506(e): Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 409, or in any written statement filed in connection with the application, shall be fined not more than \$2,500.

Certificate of Registration



This Certificate issued under the seal of the Copyright Office in accordance with title 17, *United States Code*, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

Maria A. Pallante
Acting Register of Copyrights, United States of America



Registration Number
TX 7-299-602

Effective date of
registration:
December 13, 2010

RECEIVED
MAR 07 2011
SPECIAL PUBS

Title

Title of Work: ANSI/ASHRAE/IES Standard 90.1-2010, Energy Standard for Buildings Except Low-Rise Residential Buildings (IP)

Completion/Publication

Year of Completion: 2010

Date of 1st Publication: November 23, 2010

Nation of 1st Publication: United States

International Standard Number: ISSN 1041-2336

Author

Author: American Society of Heating Refrigerating and Air-Conditioning Engineers

Author Created: Inc., dba ASHRAE
text, editing, illustrations

Work made for hire: Yes

Citizen of: United States

Domiciled in: United States

Copyright claimant

Copyright Claimant: American Society of Heating Refrigerating and Air-Conditioning Engineers
Inc., dba ASHRAE
1791 Tullie Circle, NE, Atlanta, GA, 30329-2305

Limitation of copyright claim

Material excluded from this claim: text, illustrations

Previous registration and year: TX 6-842-936 2008

TX 6-091449 2004

New material included in claim: text, editing

Rights and Permissions

Organization Name: American Society of Heating Refrigerating and

Name: Air-Conditioning Engineers Inc.
Steve Comstock

Email: scomstock@ashrae.org

Telephone: 678-539-1102

Address: 1791 Tullie Circle, NE

Atlanta, GA 30329-2305

Certification

Name: Michshell Phillips

Date: December 9, 2010

Applicant's Tracking Number: 0201796533357958



Certificate of Registration



This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

Marybeth Peters
Register of Copyrights, United States of America

Registration Number:

TX 6-842-936

RECEIVED

JUN 18 2008

SPECIAL PUBLS

Effective date of registration:

February 29, 2008

Title

Title of Work: ANSI/ASHRAE/IESNA Standard 90.1-2007, Energy Standard for Buildings Except Low-Rise Residential Buildings (I-P)

Previous or Alternative Title: ANSI/ASHRAE/IESNA Standard 90.1-2004, Energy Standard for Buildings Except Low-Rise Residential Buildings (I-P)

Completion/Publication

Year of Completion: 2008

Date of 1st Publication: January 9, 2008

Nation of 1st Publication: United States

Author

Author: American Society of Heating, Refrigerating & Air-Conditioning Engrs

Author Created: Text and illustrations.

Work made for hire: Yes

Domiciled in: United States

Copyright claimant

Copyright Claimant: American Society of Heating, Refrigerating & Air-Conditioning Engrs
1791 Tullie Circle, NE, Atlanta, GA, 30329-2305

Limitation of copyright claim

Material excluded from this claim: Derivative work, previously published material.

Previously registered: Yes

Previous registration and year: TX 6-091-449 - 2004

Basis of current registration: This is a changed version of the work.

New material included in claim: Editorial revisions and additional material.

Certification

Name: Christina Helms
Date: February 19, 2008

Certificate of Registration



This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

Marybeth Peters

Register of Copyrights, United States of America

Form TX
For a Nondramatic Literary Work
UNITED STATES COPYRIGHT OFFICE

TX 6-091-449



EFFECTIVE DATE OF REGISTRATION

Dec. 30 2004
Month Day Year

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

1

TITLE OF THIS WORK ▼

ANSI/ASHRAE/IESNA Standard 90 1-2004, Energy Standard for Buildings Except Low-Rise Residential Buildings (I-P Edition)

PREVIOUS OR ALTERNATIVE TITLES ▼

ANSI/ASHRAE/IESNA Standard 90 1-2001, Energy Standard for Buildings Except Low-Rise Residential Buildings (I-P Edition)

PUBLICATION AS A CONTRIBUTION If this work was published as a contribution to a periodical, serial, or collection, give information about the collective work in which the contribution appeared Title of Collective Work ▼

If published in a periodical or serial give Volume ▼ Number ▼ Issue Date ▼ On Pages ▼

2

a NAME OF AUTHOR ▼

American Society of Heating, Refrigerating & Air-Conditioning Engrs

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

Was this contribution to the work a work made for hire?
 Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country
OR { Citizen of ► U.S.A.
Domiciled in ►

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymous? Yes No
Pseudonymous? Yes No
If the answer to either of these questions is "Yes," see detailed instructions

NOTE

Under the law the "author" of a "work made for hire" is generally the employer, not the employee (see instructions). For any part of this work that was "made for hire" check "Yes" in the space provided, give the employer (or other person for whom the work was prepared) as "Author" of that part, and leave the space for dates of birth and death blank

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed ▼
Provide minimum requirements for energy-efficient design of bldgs except low-rise residential bldgs

b NAME OF AUTHOR ▼

Was this contribution to the work a work made for hire?
 Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country
OR { Citizen of ►
Domiciled in ►

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼
WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymous? Yes No
Pseudonymous? Yes No
If the answer to either of these questions is "Yes," see detailed instructions

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed ▼

c NAME OF AUTHOR ▼

Was this contribution to the work a work made for hire?
 Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country
OR { Citizen of ►
Domiciled in ►

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼
WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymous? Yes No
Pseudonymous? Yes No
If the answer to either of these questions is "Yes," see detailed instructions

NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed ▼

3

a YEAR IN WHICH CREATION OF THIS WORK WAS COMPLETED
2004
This information must be given in all cases

b DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR WORK
Month ► December Day ► 21 Year ► 2004
U.S.A.
Complete this information ONLY if this work has been published. Nation

4

COPYRIGHT CLAIMANT(S) Name and address must be given even if the claimant is the same as the author given in space 2 ▼

American Society of Heating, Refrigerating & Air-Conditioning Engrs
1791 Tullie Circle, NE
Atlanta, GA 30329-2305

TRANSFER If the claimant(s) named here in space 4 is (are) different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright ▼

APPLICATION RECEIVED
DEC 30 2004
ONE DEPOSIT RECEIVED
TWO DEPOSITS RECEIVED
DEC 30 2004
FUNDS RECEIVED
DO NOT WRITE HERE OFFICE USE ONLY

MORE ON BACK ▶ • Complete all applicable spaces (numbers 5-9) on the reverse side of this page
• See detailed instructions

DO NOT WRITE HERE
Page 1 of 2 pages

ASHRAE0001596

RECEIVED
FEB 25 2005
SPECIAL PUBLS

EXAMINED BY	HLM	FORM TX
CHECKED BY		
<input type="checkbox"/> CORRESPONDENCE		FOR COPYRIGHT OFFICE USE ONLY
Yes		

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET

PREVIOUS REGISTRATION Has registration for this work, or for an earlier version of this work, already been made in the Copyright Office?

Yes No If your answer is "Yes," why is another registration being sought? (Check appropriate box) ▼

- a This is the first published edition of a work previously registered in unpublished form
- b This is the first application submitted by this author as copyright claimant
- c This is a changed version of the work, as shown by space 6 on this application

If your answer is "Yes," give Previous Registration Number ▶ TX 5-662-106

Year of Registration ▶ 2001

5

DERIVATIVE WORK OR COMPILATION

Preexisting Material Identify any preexisting work or works that this work is based on or incorporates ▼

Derivative Work Previously published material

a 6

See instructions before completing this space

Material Added to This Work Give a brief, general statement of the material that has been added to this work and in which copyright is claimed ▼

Editorial revisions and additional material

b

DEPOSIT ACCOUNT If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account Name ▼ Account Number ▼

ASHRAE

DA 019739

a 7

CORRESPONDENCE Give name and address to which correspondence about this application should be sent Name/Address/Apt/City/State/ZIP ▼

ASHRAE, ATTN Mildred Geshwiler
1791 Tullie Circle, NE
Atlanta, GA 30329-2305

b

Area code and daytime telephone number ▶ (678) 539-1154

Fax number ▶ (678) 539-2191

Email ▶ mgeshwiler@ashrae.org

CERTIFICATION * I, the undersigned, hereby certify that I am the

Check only one ▶

- author
- other copyright claimant
- owner of exclusive right(s)
- authorized agent of

ASHRAE

Name of author or other copyright claimant, or owner of exclusive right(s) ▲

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge

8

Typed or printed name and date ▼ If this application gives a date of publication in space 3, do not sign and submit it before that date

Mildred Geshwiler

Date ▶ December 28, 2004

Handwritten signature (X) ▼

X *Mildred Geshwiler*

Certificate will be mailed in window envelope to this address

Name ▼	ASHRAE, ATTN MILDRED GESHWILER
Number/Street/Apt ▼	1791 TULLIE CIRCLE, NE
City/State/ZIP ▼	ATLANTA, GA 30329-2305

Complete all necessary spaces
Sign your application in space 8

- 1 Application form
- 2 Nonrefundable filing fee in check or money order payable to Register of Copyrights
- 3 Deposit material

Library of Congress
Copyright Office TX
101 Independence Avenue SE
Washington DC 20560-6222

Fees are subject to change. For current fees, consult the Copyright Office website or call (202) 707-3000

9

*17 U.S.C. § 506(a) Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 409 or in any written statement filed in connection with the application, shall be fined not more than \$2,500

EXHIBIT 17

Date 2/26/15
Witness:
MALAMUD

From: Carl Malamud
Sent: Tue 6/30/2009 5:22 PM (GMT -7)
To: Deborah Hunt
Cc:
Bcc:
Subject: Re: special libraries

Thanks so much for this tip ... I am actually in Missouri as we speak, but won't be heading through Kansas City until Friday, and they are unfortunately closed for the holidays. But, I will definitely give them a ring.

The Illinois State Library and the Linda Hall Library appear to be the only two in the U.S. with a decent collection of these technical standards from organizations such as ANSI, ASTM, and UL. While many of these standards have a strong copyright interest, there is a subset of these that have been incorporated by reference into the Code of Federal Regulations. Since those standards have become law of the land, and since the courts have ruled that those standards that have been incorporated as law are not subject to copyright, I'm trying to figure out how to make these standards more broadly available for the public to read.

Thanks again for the tip. Perhaps we could do a phone call or I could stop by the Exploratorium to meet you and explain what we're trying to do? I'm based in Sebastopol, about an hour north of you and get to the city frequently.

Best regards,

Carl

On Jun 30, 2009, at 3:56 PM, Deborah Hunt wrote:

- > Hi, Carl.
- > I've been back over 10 days and this got buried.
- > What kind of tech standards are you after?
- > The Linda Hall Library has a fabulous collection:
- > <http://www.lindahall.org/collections/engineering/specs.shtml>
- >
- > Deb
- >
- > On Wed, Jun 10, 2009 at 7:41 PM, Deborah Hunt
- > <dhunt@exploratorium.edu> wrote:
- > Hi, Carl.
- > I'm in DC on vacation and then at the SLA Annual Conference and not
- > back at work till 6/22.
- > If you can wait till then, we can talk.
- >
- > have you tried worldcat.org to look for your standards or
- > firstgov.gov?
- > Deb

2/10/09

> On Wed, Jun 10, 2009 at 4:46 PM, Carl Malamud <carl@media.org> wrote:

> Hi -

> I run a small nonprofit called Public.Resource.Org that tries to put
> more government information on-line. We've had a big impact on
> putting more judicial information on the Internet, but also do
> video, and a variety of other documents such as IRS nonprofit tax
> returns.

> I'm looking for a special library that might have a particular set
> of docs (technical standards) and I was wondering if perhaps you
> might have a few minutes for a phone call to point me in the right
> direction? I must confess, I found your name by scanning the SLA
> board page. My father spent 6 months at the Exploratorium as
> assistant director working with Oppenheimer and then went off and
> started a science museum called SciTech. So, Exploratorium rang a
> bell. :)

> Let me know if you might have a few minutes.

> Best regards,

> Carl Malamud
> Public.Resource.Org

> _____
> Deborah Hunt
> Manager, Learning Commons
> Exploratorium
> 3601 Lyon Street
> San Francisco, CA 94123
> Voice: 415-353-0485
> Fax: 415-561-0370
> <mailto:dhunt@exploratorium.edu>

> "There is no such thing as a self-made (wo)man. We are made up of
> thousands of others. Everyone who has ever done a kind deed for us, or
> spoken one word of encouragement to us, has entered into the makeup of
> our character and our thoughts, as well as our success."

> George Matthew Adams

> _____
> Deborah Hunt
> Manager, Learning Commons
> Exploratorium

- > 3601 Lyon Street
- > San Francisco, CA 94123
- > Voice: 415-353-0485
- > Fax: 415-561-0370
- > <mailto:dhunt@exploratorium.edu>
- >
- > "There is no such thing as a self-made (wo)man. We are made up of
- > thousands of others. Everyone who has ever done a kind deed for us, or
- > spoken one word of encouragement to us, has entered into the makeup of
- > our character and our thoughts, as well as our success."
- > George Matthew Adams

EXHIBIT 18

Public Safety Standards United States (Federal Government)

In order to promote public education and public safety, equal justice for all, a better informed citizenry, the rule of law, world trade and world peace, this legal document is hereby made available on a noncommercial basis, as it is the right of all humans to know and speak the laws that govern them. (See also State and Local codes.)

STANDARD	YEAR	ORGANIZATION	TITLE	CFR AUTHORITY
3M 0222	1995	3M Corporation	Organochlorine Pesticides and PCBs in Wastewater Using Empore Disk	40 CFR 136.3(a) Table ID
AA CONSTRUCT	1971	Aluminum Association	Aluminum Construction Manual	24 CFR 200, Subpart S
AA	1967	Aluminum Association	Aluminum Construction Manual	24 CFR 200, Subpart S
AA DATA	1982	Aluminum Association	Aluminum Standards and Data, Seventh Edition	49 CFR 178.65(b)(2)
AAMA 101-IS2	1997	American Architectural Manufacturers Association	Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors	10 CFR 434.402.2.2.4
AAMA 605	1998	American Architectural Manufacturers Association	Voluntary Specification, Performance Requirements and Test Procedures for High Performance Organic Coatings on Aluminum Extrusions and Panels	40 CFR 59.401
AAMA 1002.10	1993	American Architectural Manufacturers Association	Aluminum Insulating Products for Windows and Sliding Glass Doors	24 CFR 200.938
AAMA 1102.7	1989	American Architectural Manufacturers Association	Voluntary Specifications for Aluminum Storm Doors	10 CFR 440 Appendix A
AAMA 1503.1	1988	American Architectural Manufacturers Association	Voluntary Test Method for Thermal Transmittance and Condensation Resistance of Windows, Doors and Glazed Wall Sections	24 CFR 3280.508(e)
AAMA 1702.2	1995	American Architectural	Swinging Exterior	24 CFR 3280.405(e)(2)

Public Safety Standards of the United States

		Manufacturers Association	Passage Doors Voluntary Standard for Utilization in Manufactured-Housing	
AAMA 1704	1985	American Architectural Manufacturers Association	Voluntary Standard Egress Window Systems for Utilization in Manufactured-Housing	24 CFR 3280.404(b)
AAMD	1973	American Association on Mental Deficiency	Classification in Mental Retardation	42 CFR 483.102(b)(3)(i)
AAMVA CDLIS.2.0	1998	American Association of Motor Vehicle Administrators	Commercial Driver License Information System (CDLIS) State Procedures	49 CFR 384.231(d)
AASHTO	1973	American Association of State Highway and Transportation Officials	Standard Specifications for Highway Bridges	24 CFR 200, Subpart S
AASHTO	2001	American Association of State Highway and Transportation Officials	A Policy on Geometric Design of Highways and Streets	23 CFR 625.4
AASHTO	2005	American Association of State Highway and Transportation Officials	A Guide for Accommodating Utilities Within Highway Right-of-Way	23 CFR 645.211
AATCC 118	1997	American Association of Textile Chemists and Colorists	Oil Repellency: Hydrocarbon Resistance Test	10 CFR 430 Subpart B, App. J1, 2.6.4.5.1
AATCC 124	1996	American Association of Textile Chemists and Colorists	Appearance of Durable Press Fabrics After Repeated Home Laundering	16 CFR 1615.32(a)(1)
ABYC A-01	1993	American Boat and Yacht Council	Marine Liquified Petroleum Gas Systems	46 CFR 184.240(a)
ABYC A-07	1973	American Boat and Yacht Council	Boat Heating Systems	46 CFR 184.200
ABYC A-16	1997	American Boat and Yacht Council	Electric Navigation Lights	46 CFR 25.10-3(a)(2)
ABYC A-22	1993	American Boat and Yacht Council	Marine Compressed Natural Gas Systems	46 CFR 184.240(b)
ABYC E-01	1973	American Boat and Yacht Council	Bonding of Direct Current Systems	46 CFR 28.345(b)
ABYC E-09	1990	American Boat and Yacht Council	Direct Current (DC) Electrical Systems on Boats	46 CFR 183.340(b)(4)
ABYC H-02	1989	American Boat and Yacht Council	Ventilation of Boats Using Gasoline	46 CFR 28.340(c)
ABYC H-22	1986	American Boat and	DC Electric Bilge	46 CFR 182.500(b)

Public Safety Standards of the United States

		Yacht Council	Pumps Operating Under 50 Volts	
ABYC H-24	1993	American Boat and Yacht Council	Gasoline Fuel Systems	46 CFR 182.455(c)
ABYC H-25	1994	American Boat and Yacht Council	Portable Gasoline Fuel Systems for Flammable Liquids	46 CFR 182.130
ABYC H-32	1987	American Boat and Yacht Council	Ventilation of Boats Using Diesel Fuel	46 CFR 182.470(c)
ABYC H-33	1989	American Boat and Yacht Council	Diesel Fuel Systems	46 CFR 182.130
ABYC P-01	1993	American Boat and Yacht Council	Safe Installation of Exhaust Systems for Propulsion and Auxiliary Engines	46 CFR 182.130
ABYC P-04	1989	American Boat and Yacht Council	Marine Inboard Engines	46 CFR 182.420(b)
ACGIH	1987	American Conference of Governmental Industrial Hygienists	Guidelines for the Selection of Chemical Protective Clothing, Third Edition	46 CFR 153.933(a)
ACGIH	1998	American Conference of Governmental Industrial Hygienists	Industrial Ventilation Manual	40 CFR 63.2984(e)
ACI 318	1995	American Concrete Institute	Building Code Requirements for Reinforced Concrete	30 CFR 250.901(d)(1)
ACI	1980	American Concrete Institute	Manual of Concrete Practice, Part 1	24 CFR 200, Subpart S
ACRI 210-240	2003	Air Conditioning and Refrigeration Institute	Unitary Air-Conditioning and Air-Source Heat Pump Equipment	10 CFR 431.96
ACRI 310/380	2004	Air-Conditioning, Heating and Refrigeration Institute	Packaged Terminal Air-Conditioners and Heat Pumps	10 CFR 431.96, Table 1
ACRI 320	1998	Air-Conditioning, Heating, and Refrigeration Institute	Water Source Heat Pumps	10 CFR 434.403
ACRI 325	1998	Air-Conditioning, Heating, and Refrigeration Institute	Ground Water-Source Heat Pumps	10 CFR 434.403
ACRI 330	1998	Air-Conditioning, Heating, and Refrigeration Institute	Ground-Source Closed-Loop Heat Pumps	10 CFR 434.403
ACRI 340-360	2004	Air Conditioning and Refrigeration Institute	Commercial and Industrial Unitary Air-Conditioning and Heat Pump Equipment	10 CFR 434.403

Public Safety Standards of the United States

ACRI 365	1994	Air Conditioning and Refrigeration Institute	Commercial and Industrial Unitary Air-Conditioning Condensing Units	10 CFR 434.403
ACRI 1200	2006	Air Conditioning and Refrigeration Institute	Performance Rating of Commercial Refrigerated Display Merchandisers and Storage Cabinets	10 CFR 431.66(a)(3)
AERA	1999	American Educational Research Association	Standard for Educational and Psychological Testing	34 CFR 668.148(a)(2)(iv)
AFFPA	2001	American Forest and Paper Association	National Design Specification for Wood Construction With Supplemental Design Values for Wood Construction	24 CFR 3280.304(b)(1)
AGA 3.1	1990	American Gas Association	Orifice Metering of Natural Gas and Other Related Hydrocarbon Fluids: Part 1	40 CFR 75, Appendix D
AGA	2001	American Gas Association	Purging Principles and Practices	49 CFR 193.2615
AHA A135.4	1995	American Hardboard Association	Basic Hardboard	24 CFR 3280.304(b)(1)
AHA A135.5	1995	American Hardboard Association	Prefinished Hardboard Paneling	24 CFR 3280.304(b)(1)
AHA A135.6	1998	American Hardboard Association	Hardboard Siding	24 CFR 3280.304(b)(1)
AHAM DW-1	1992	Association of Home Appliance Manufacturers	Household Electric Dishwashers	10 CFR 430 Subpart B
AHAM HLD-1	1974	Association of Home Appliance Manufacturers	Performance Evaluation Procedure for Household Tumble Type Clothes Dryers	10 CFR 430 Subpart B
AHAM HRF-1	1979	Association of Home Appliance Manufacturers	Household Refrigerators, Combination Refrigerator-Freezers, and Household Freezers	10 CFR 430 Subpart B
AHPA	1992	American Herbal Products Association	Herbs of Commerce	21 CFR 101.4(h)
AI MSI-1	1970	Asphalt Institute	Thickness Design--Full Depth Asphalt Pavement Structures for Highways and Streets	24 CFR 200, Subpart S

Public Safety Standards of the United States

AIHA	1994	American Industrial Hygiene Association	Laboratory Ventilation Workbook	42 CFR 52b.12(c)(10)
AIMM MS41	1996	Association for Information and Image Management	Dimensions of Unitized Microfilm Carriers and Apertures (Aperture, Camera, Copy and Image Cards)	36 CFR 1238.10(a)(1)
AIMM IT2.18	1996	Association for Information and Image Management	Photography—Density Measurements—Part 3: Spectral Conditions	36 CFR 1238.14(d)(2)
AIMM/PIMA IT9.2	1998	Association for Information and Image Management	Photographic Processed Films, Plates, and Papers—Filing Enclosures and Storage Containers	36 CFR 1238.10(a)(1)
AIMM/PIMA IT9.11	1998	Association for Information and Image Management	Imaging Materials—Processed Safety Photographic Film—Storage	36 CFR 1234.14(b)(1)
AIMM IT9.23	1996	Association for Information and Image Management	Imaging Materials—Polyester Based Magnetic Tape—Storage	36 CFR 1234.14(b)(2)
AIMM/PIMA IT9.25	1998	Association for Information and Image Management	Imaging Materials—Optical Disc Media—Storage	36 CFR 1234.14(b)(3)
AIMM MS1	1996	Association for Information and Image Management	Recommended Practice for Alphanumeric Computer-Output Microforms—Operational Practices for Inspection and Quality Control	36 CFR 1238.14(c)
AIMM MS5	1992	Association for Information and Image Management	Microfiche	36 CFR 1238.10(b)
AIMM MS14	1996	Association for Information and Image Management	Specifications for 16mm and 35mm Roll Microfilm	36 CFR 1238.10(a)(1)
AIMM MS19	1993	Association for Information and Image Management	Standard Recommended Practice—Identification of Microforms	36 CFR 1238.12(c)
AIMM MS23	1998	Association for Information and Image Management	Standard Recommended Practice—Production, Inspection, and Quality Assurance of First-Generation, Silver Microforms of Documents	36 CFR 1238.14(d)(2)

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AIMM MS32	1996	Association for Information and Image Management	Microrecording of Engineering Source Documents on 35 mm Microfilm	36 CFR 1238.10(a)(1)
AIMM MS43	1998	Association for Information and Image Management	Standard Recommended Practice—Operational Procedures—Inspection and Quality Control of Microfilms and Documents	36 CFR 1238.14(d)(1)(i)
AIMM MS45	1990	Association for Information and Image Management	Recommended Practice for Inspection of Stored Silver-Gelatin Microforms for Evidence of Deterioration	36 CFR 1238.22(d)(1)
AIMM TR34	1996	Association for Information and Image Management	Sampling Procedures for Inspection by Attributes of Images in Electronic Image Management and Micrographic Systems	36 CFR 1237.28(d)(2)
ALCIDE 980342EA	1995	Alcide Corporation	Determination of Sodium Chlorite: 50 ppm to 1500 ppm concentration	21 CFR 173.325(g)
AMCA 210	1999	Air Movement and Control Association	Laboratory Methods of Testing Fans for Ratings	10 CFR 430 Subpart B, App. M
J-STD-102	2011	Alliance for Telecommunications Industry Solutions	Joint ATIS/TIA CMAS Federal Alert Gateway to CMSP Gateway Interface Text Specification	Warning, Alert and Response Network (WARN) Act of 2006
TELCO FAQ	1891	American Telephone and Telegraph	Practical Information for Telephonists	
ANSI A10.3	1970	American National Standards Institute	Safety Requirements for Powder Actuated Fastening Systems	29 CFR 1926
ANSI A10.4 (pdf) ANSI A10.4 (html)	1963	American National Standards Institute	Safety Requirements for Workmens Hoists	29 CFR 1926
ANSI A10.5 (pdf) ANSI A10.5 (html)	1969	American National Standards Institute	Safety Requirements for Material Joists	29 CFR 1926
ANSI A14.1 (pdf) ANSI A14.1 (html) ANSI A14.1 (svg)	1990	American National Standards Institute	Ladders—Wood—Safety Requirements	29 CFR 1917

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ANSI A14.2 (pdf) ANSI A14.2 (html) ANSI A14.2 (svg)	1990	American National Standards Institute	Ladders—Portable Metal—Safety	29 CFR 1917
ANSI A92.2 (pdf) ANSI A92.2 (html)	1969	American National Standards Institute	Vehicle Mounted Elevating and Rotating Work Platforms	29 CFR 453
ANSI B7.1 (pdf) ANSI B7.1 (html)	1970	American National Standards Institute	Safety Code for the Use, Care, and Protection of Abrasive Wheels	29 CFR 1926
ANSI B20.1 (pdf) ANSI B20.1 (html) ANSI B20.1 (svg)	1957	American National Standards Institute	Safety Code for Conveyors, Cableways, and Related Equipment	29 CFR 1926
ANSI B30.6 (pdf) ANSI B30.6 (html) ANSI B30.6 (svg)	1969	American National Standards Institute	Safety Code for Derricks	29 CFR 1926
ANSI B36.19	1979	American National Standards Institute	Welded and Seamless Wrought Steel Pipe	24 CFR 3280.705(b)(1)
ANSI B56.1 (pdf) ANSI B56.1 (html) ANSI B56.1 (svg)	1969	American National Standards Institute	Safety Standard for Powered Industrial Trucks	29 CFR 1926
ANSI N14.1	2001	American National Standards Institute	Packaging of Uranium Hexafluoride for Transport	49 CFR 173.420(a)(1)
ANSI O1.1 (pdf) ANSI O1.1 (html)	1961	American National Standards Institute	Safety Code for Woodworking Machinery	29 CFR 1926
ANSI S1.4	1983	American National Standards Institute	Specifications for Sound Level Meters	7 CFR 1755.522(s)(3)(v)
ANSI S1.11	2004	American National Standards Institute	Specification for Octave, Half-Octave, and Third Octave Band Filter Sets	49 CFR 227
ANSI S1.25	1991	American National Standards Institute	Specification for Personal Noise Dosimeters	49 CFR 227.103(c)(2)(iii)
ANSI S1.40	1984	American National Standards Institute	Specification for Acoustical Calibrators	49 CFR 229, Appendix I
ANSI S1.43	1997	American National Standards Institute	Specifications for Integrating-Averaging Sound Level Meters	49 CFR 227.103(c)(2)(ii)
ANSI S3.22 (pdf) ANSI S3.22 (html)	2003	American National Standards Institute	Specification of Hearing Aid Characteristics	21 CFR 801
ANSI Z35.1 (pdf)	1968	American National	Specifications for	29 CFR 1926

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ANSI Z35.1 (html) ANSI Z35.1 (svg)		Standards Institute	Accident Prevention Signs	
ANSI Z35.2 (pdf) ANSI Z35.2 (html) ANSI Z35.2 (svg)	1968	American National Standards Institute	Specifications for Accident Prevention Tags	29 CFR 1926
ANSI Z49.1 (pdf) ANSI Z49.1 (html)	1967	American National Standards Institute	Safety in Welding and Cutting	29 CFR 1926
ANSI Z87.1 (pdf) ANSI Z87.1 (html) ANSI Z87.1 (svg)	2003	American National Standards Institute	Practice for Occupational and Educational Eye and Face Protection	29 CFR 1910
ANSI Z88.2 (pdf) ANSI Z88.2 (html) ANSI Z88.2 (svg)	1992	American National Standards Institute	American National Standard for Respiratory Protection	30 CFR 250
ANSI Z89.1 (pdf) ANSI Z89.1 (html)	1969	American National Standards Institute	Safety Requirements for Industrial Head Protection	29 CFR 1926
ANSI Z89.2 (pdf) ANSI Z89.2 (html)	1971	American National Standards Institute	Industrial Protective Helmets for Electrical Workers	29 CFR 1926
ANSI Z90.4 (pdf) ANSI Z90.4 (html)	1984	American National Standards Institute	Protective Headgear for Bicyclists	16 CFR 1203
ANSI Z245.1 (pdf) ANSI Z245.1 (html) ANSI Z245.1 (svg)	1992	American National Standards Institute	Mobile Refuse Collection and Compaction--Safety Requirements	40 CFR 243
ANSI Z245.2 (pdf) ANSI Z245.2 (html)	1997	American National Standards Institute	Stationary Compactors--Safety Requirements	40 CFR 243
AOAC	1990	AOAC International	Official Methods of Analysis (Volume 1)	9 CFR 318.19(b)
AOAC	1980	AOAC International	Official Methods of Analysis, 1980	21 CFR 131.150(c)
APA 87-1	2001	American Pyrotechnics Association	Standard for Construction and Approval for Transportation of Fireworks and Novelties	49 CFR 173.56(j)(1)
APHA Method 2120 (pdf) APHA Method 2120 (html)	1992	American Public Health Association	Standard Methods for the Examination of Water and Wastewater	40 CFR 141.121
APHA Method 2130 (pdf) APHA Method 2130 (html)	1992	American Public Health Association	Standard Methods for the Examination of Water and Wastewater	40 CFR 141.121
APHA Method	1992	American Public Health	Standard Methods for	40 CFR 136.3(a)

2320 (pdf) APHA Method 2320 (html)		Association	the Examination of Water and Wastewater	
APHA Method 2510 (pdf) APHA Method 2510 (html)	1992	American Public Health Association	Standard Methods for the Examination of Water and Wastewater	40 CFR 141.121
APHA Method 2550 (pdf) APHA Method 2550 (html)	1992	American Public Health Association	Standard Methods for the Examination of Water and Wastewater	40 CFR 141.121
APHA Method 2580	1992	American Public Health Association	Standard Methods for the Examination of Water and Wastewater	40 CFR 141.121
APHA Method 3111 (pdf) APHA Method 3111 (html)	1992	American Public Health Association	Standard Methods for the Examination of Water and Wastewater	40 CFR 444.12
APHA Method 3112 (pdf) APHA Method 3112 (html)	1992	American Public Health Association	Standard Methods for the Examination of Water and Wastewater	40 CFR 444.12
APHA Method 3113 (pdf) APHA Method 3113 (html)	1992	American Public Health Association	Standard Methods for the Examination of Water and Wastewater	40 CFR 444.12
APHA Method 3114	1992	American Public Health Association	Standard Methods for the Examination of Water and Wastewater	40 CFR 444.12
APHA Method 3120	1992	American Public Health Association	Standard Methods for the Examination of Water and Wastewater	40 CFR 444.12
APHA Method 3500-AS	1992	American Public Health Association	Standard Methods for the Examination of Water and Wastewater	40 CFR 444.12
APHA Method 3500-CA (pdf) APHA Method 3500-CA (html)	1992	American Public Health Association	Standard Methods for the Examination of Water and Wastewater	40 CFR 136.3(a)
APHA Method 3500-CD (pdf) APHA Method 3500-CD (html)	1992	American Public Health Association	Standard Methods for the Examination of Water and Wastewater	40 CFR 444.12
APHA Method 3500-CR	1992	American Public Health Association	Standard Methods for the Examination of Water and Wastewater	40 CFR 63.404(a)
APHA Method 3500-CU	1992	American Public Health Association	Standard Methods for the Examination of Water and Wastewater	40 CFR 444.12
APHA Method	1992	American Public Health	Standard Methods for	40 CFR 136.3(a)

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3500-MG (pdf) APHA Method 3500-MG (html)		Association	the Examination of Water and Wastewater	
APHA Method 3500-PB (pdf) APHA Method 3500-PB (html)	1992	American Public Health Association	Standard Methods for the Examination of Water and Wastewater	40 CFR 444.12
APHA Method 3500-ZN (pdf) APHA Method 3500-ZN (html)	1992	American Public Health Association	Standard Methods for the Examination of Water and Wastewater	40 CFR 136.3(a)
APHA Method 4110 (pdf) APHA Method 4110 (html)	1992	American Public Health Association	Standard Methods for the Examination of Water and Wastewater	40 CFR 136.3(a)
APHA Method 4500-CIO2 (pdf) APHA Method 4500-CIO2 (html)	1992	American Public Health Association	Standard Methods for the Examination of Water and Wastewater	21 CFR 165.110(b)(4)(iii) (I)(7)(ii)
APHA Method 4500-CL	1992	American Public Health Association	Standard Methods for the Examination of Water and Wastewater	21 CFR 165.110(b)(4)
APHA Method 4500-CN	1992	American Public Health Association	Standard Methods for the Examination of Water and Wastewater	40 CFR 136.3(a)
APHA Method 4500-F	1992	American Public Health Association	Standard Methods for the Examination of Water and Wastewater	40 CFR 136.3(a)
APHA Method 4500-H	1992	American Public Health Association	Standard Methods for the Examination of Water and Wastewater	40 CFR 444.12
APHA Method 4500-NO2	1992	American Public Health Association	Standard Methods for the Examination of Water and Wastewater	40 CFR 136.3(a)
APHA Method 4500-NO3	1992	American Public Health Association	Standard Methods for the Examination of Water and Wastewater	40 CFR 136.3(a)
APHA Method 4500-O3	1992	American Public Health Association	Standard Methods for the Examination of Water and Wastewater	40 CFR 136.3(a)
APHA Method 4500-P	1992	American Public Health Association	Standard Methods for the Examination of Water and Wastewater	40 CFR 136.3(a)
APHA Method 4500-S2	1992	American Public Health Association	Standard Methods for the Examination of Water and Wastewater	40 CFR 136.3(a)
APHA Method 4500-SI	1992	American Public Health Association	Standard Methods for the Examination of Water and Wastewater	40 CFR 141.121

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APHA Method 4500-SO42	1992	American Public Health Association	Standard Methods for the Examination of Water and Wastewater	40 CFR 136.3(a)
APHA Method 5540	1992	American Public Health Association	Standard Methods for the Examination of Water and Wastewater	40 CFR 141.121
APHA Method 6651	1992	American Public Health Association	Standard Methods for the Examination of Water and Wastewater	40 CFR 141.121
APHA Method 9215	1992	American Public Health Association	Standard Methods for the Examination of Water and Wastewater	40 CFR 141.121
APHA Method 9221	1992	American Public Health Association	Standard Methods for the Examination of Water and Wastewater	40 CFR 136.3(a)
APHA Method 9222	1992	American Public Health Association	Standard Methods for the Examination of Water and Wastewater	40 CFR 136.3(a)
APHA Method 9223	1992	American Public Health Association	Standard Methods for the Examination of Water and Wastewater	40 CFR 136.3(a)
API 2INT-MET	2007	American Petroleum Institute	Interim Guidance on Hurricane Conditions in the Gulf of Mexico	30 CFR 250.901(a)(6)
API 5L	2004	American Petroleum Institute	Specification for Line Pipe	49 CFR 192.113
API 5L1	2002	American Petroleum Institute	Recommended Practice for Railroad Transportation of Line Pipe	49 CFR 192.65(a)
API 6A	2004	American Petroleum Institute	Specification for Wellhead and Christmas Tree Equipment	30 CFR 250.806(a)(3)
API 6D	2008	American Petroleum Institute	Specification for Pipeline Valves	49 CFR 195.116(d)
API 12F	1994	American Petroleum Institute	Specification for Shop Welded Tanks for Storage of Production Liquids	49 CFR 195.264(b)(1)
API RP 14C	2001	American Petroleum Institute	Recommended Practice for Analysis, Design, Installation, and Testing of Basic Surface Safety Systems for Offshore Production Platforms	30 CFR 250.1628(c)
API RP 14F	2008	American Petroleum Institute	Recommended Practice for Design and Installation of Electrical	30 CFR 250.114(c)

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			Systems for Offshore Production Platforms	
API 17J	2008	American Petroleum Institute	Specification for Unbonded Flexible Pipe	30 CFR 250.1002(b)(4)
API 80	2000	American Petroleum Institute	Guidelines for the Definition of Onshore Gas Gathering Lines	49 CFR 192.8(a)
API 510	2006	American Petroleum Institute	Pressure Vessel Inspection Code	30 CFR 250.803(b)(1)
API 620	2002	American Petroleum Institute	Design and Construction of Large Welded Low Pressure Storage Tanks	49 CFR 195.264(e)(3)
API 650	2007	American Petroleum Institute	Welded Steel Tanks for Oil Storage	195.132(b)(3)
API 651	1997	American Petroleum Institute	Cathodic Protection of Aboveground Petroleum Storage Tanks	49 CFR 195.565
API 652	1997	American Petroleum Institute	Lining of Aboveground Petroleum Storage Tank Bottoms	49 CFR 195.579(d)
API 653	2003	American Petroleum Institute	Tank Inspection, Repair, Alteration, and Reconstruction	49 CFR 195.432(b)
API 1104	1999	American Petroleum Institute	Standard for Welding Pipelines and Related Facilities	49 CFR 195.214(a)
API 1130	2002	American Petroleum Institute	Computational Pipeline Monitoring	49 CFR 195.444
API 1162	2003	American Petroleum Institute	Public Awareness Programs for Pipeline Operators	49 CFR 192.616(a)
API 2000	1998	American Petroleum Institute	Venting Atmospheric and Low-Pressure Storage Tanks	49 CFR 195.264(e)(2)
API 2003	1998	American Petroleum Institute	Protection Against Ignitions Arising Out of Static, Lightning, and Stray Currents	49 CFR 195.405(a)
API 2350	2005	American Petroleum Institute	Overfill Protection for Storage Tanks in Petroleum Facilities	49 CFR 195.428(c)
API 2510	2001	American Petroleum Institute	Design and Construction of LPG Installations	49 CFR 195.205(b)(3)
API RP 14G	2007	American Petroleum	Recommended	30 CFR 250.803(b)(9)(v)

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		Institute	Practice for Fire Prevention and Control on Open Type Offshore Production Platforms	
APLIC	1996	Avian Power Line Interaction Committee	Suggested Practices for Raptor Protection on Power Lines: The State of the Art in 1996	7 CFR 1724.52(a)(1)(i)
APSP 16	2011	Association of Pool and Spa Professionals	Standard Suction Fittings for Use in Swimming Pools, Wading Pools, Spas, and Hot Tubs	16 CFR 1450.3
ARMA	1984	Asphalt Roofing Manufacturers Association	Residential Asphalt Roofing Manual	24 CFR 200, Subpart S
ASHRAE 15	1994	American Society of Heating, Refrigerating and Air Conditioning Engineers	Safety Code for Mechanical Refrigeration	49 CFR 173.306(e)(1)(i)
ASHRAE	1993	American Society of Heating, Refrigerating and Air Conditioning Engineers	Fundamentals	10 CFR 434.402.2.2.5(a)
ASME B16.9	2003	American Society of Mechanical Engineers	Factory Made Wrought Steel Butt Welding Fittings	49 CFR 195.118(a)
ASME B30.2 (pdf) ASME B30.2 (html) ASME B30.2 (svg)	2005	American Society of Mechanical Engineers	Safety Requirements for Overhead and Gantry Cranes	29 CFR 1926
ASME B30.5 (pdf) ASME B30.5 (html)	2004	American Society of Mechanical Engineers	Safety Requirements for Mobile and Locomotive Cranes	29 CFR 1926
ASME B30.7 (pdf) ASME B30.7 (html)	2001	American Society of Mechanical Engineers	Safety Requirements for Base-Mounted Drum Hoists	29 CFR 1926
ASME B30.14 (pdf) ASME B30.14 (html) ASME B30.14 (svg)	2004	American Society of Mechanical Engineers	Safety Requirements for Side Boom Tractors	29 CFR 1926
ASME B31.4	2002	American Society of Mechanical Engineers	Pipeline Transportation Systems for Liquid Hydrocarbons and Other Liquids	49 CFR 195.110(a)

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ASME B31.8	2003	American Society of Mechanical Engineers	Gas Transmission and Distribution Piping Systems	49 CFR 192.619(a)(1)(i)
ASME B318S	2004	American Society of Mechanical Engineers	Managing System Integrity of Gas Pipelines	49 CFR 192.903(c)
ASME B31G	1991	American Society of Mechanical Engineers	Manual for Determining the Remaining Strength of Corroded Pipelines	49 CFR 192.485(c)
ASME UPV	1943	American Society of Mechanical Engineers	Code for Unfired Pressure Vessels	49 CFR 173.32(c)(4)
ASQC Q9001	1994	American Society for Quality Control	Quality Assurance in Design, Development, Production, Installation, and Servicing	33 CFR 96.430(a)(2)(ii)
ASQC Q9002	1994	American Society for Quality Control	Quality Systems – Model for Quality Assurance in Production, Installation, and Servicing	24 CFR 200.935(d)(4)(ii)(A)(3)
ASQC Q9003	1994	American Society for Quality Control	Quality Systems - Model for Quality Assurance in Final Inspection and Test	24 CFR 200.935(d)(4)(ii)(A)(4)
ASQC Q9004-1	1994	American Society for Quality Control	Quality Management and Quality Systems Elements-Guidelines	24 CFR 200.935(d)(4)(ii)(A)(5)
ASSE 1001	1990	American Society of Sanitary Engineering	Performance Requirements for Pipe Applied Atmospheric Type Vacuum Breakers	24 CFR 3280.604(b)(2)
ASSE 1006 (pdf) ASSE 1006 (html)	1986	American Society of Sanitary Engineering	Plumbing Requirements for Residential Use (Household) Dishwashers	24 CFR 3280.604(b)(2)
ASSE 1007 (pdf) ASSE 1007 (html)	1986	American Society of Sanitary Engineering	Performance Requirements for Home Laundry Equipment	24 CFR 3280.604(b)(2)
ASSE 1008 (pdf) ASSE 1008 (html)	1986	American Society of Sanitary Engineering	Performance Requirements for Household Food Waste Disposer Units	24 CFR 3280.604(b)(2)
ASSE 1016	1988	American Society of Sanitary Engineering	Performance Requirements for Individual Thermostatic	24 CFR 3280.604(b)(2)

			Pressure Balancing and Combination Control for Bathing Facilities	
ASSE 1023 (pdf) ASSE 1023 (html)	1979	American Society of Sanitary Engineering	Hot Water Dispensers, Household Storage Type, Electrical	24 CFR 3280.604(b)(2)
ASSE 1025	1978	American Society of Sanitary Engineering	Diverter for Plumbing Faucets with Hose Spray, Anti-Siphon Type, Residential Applications	24 CFR 3280.604(b)(2)
ASSE 1037 (pdf) ASSE 1037 (html)	1990	American Society of Sanitary Engineering	Performance Requirements for Pressurized Flushing Devices (Flushometers) for Plumbing Fixtures	24 CFR 3280.604(b)(2)
ASCE 7	2002	American Society of Civil Engineers	Minimum Design Loads for Buildings and Other Structures	49 CFR 193.2013
ASTM A36	1977	American Society for Testing and Materials	Standard Specification for Carbon Structural Steel	24 CFR Part 200
ASTM A36	1997	American Society for Testing and Materials	Standard Specification for Carbon Structural Steel	46 CFR 160.035-3(b)(2)
ASTM A47	1968	American Society for Testing and Materials	Standard Specification for Malleable Iron Castings	29 CFR 1910.111(b)(7)(vi)
ASTM A82	1979	American Society for Testing and Materials	Cold-Drawn Steel Wire for Concrete Reinforcement	24 CFR 200, Subpart S
ASTM A100	1969	American Society for Testing and Materials	Standard Specification for Ferrosilicon	40 CFR 60.261(s)
ASTM A106	2004	American Society for Testing and Materials	Standard Specification for Seamless Carbon Steel Pipe for High-Temperature Service	49 CFR 192.113
ASTM A134	1996	American Society for Testing and Materials	Standard Specification for Pipe, Steel, Electric Fusion (Arc)-Welded (Sizes NPS 16 and Over)	46 CFR 56.60-1(b)
ASTM A179	1990	American Society for Testing and Materials	Standard Specification for Seamless Cold-Drawn Low-Carbon Steel Heat-Exchanger and Condenser Tubes	46 CFR 56.60-1(b)
ASTM A184	1979	American Society for	Standard Specification	24 CFR 200, Subpart S

		Testing and Materials	for Fabricated Deformed Steel Bar Mats for Concrete Reinforcement	
ASTM A185	1979	American Society for Testing and Materials	Steel Wire Fabric for Concrete Reinforcement	24 CFR 200, Subpart S
ASTM A203	1997	American Society for Testing and Materials	Standard Specification for Pressure Vessel Plates, Alloy Steel, Nickel	46 CFR 54.05-20(b)
ASTM A214	1996	American Society for Testing and Materials	Standard Specification for Electric-Resistance-Welded Carbon Steel Heat-Exchanger and Condenser Tubes	46 CFR 56.60-1(b)
ASTM A242	1979	American Society for Testing and Materials	Standard Specification for High-Strength Low-Alloy Structural Steel	24 CFR 200, Subpart S
ASTM A285	1978	American Society for Testing and Materials	Standard Specification for Pressure Vessel Plates, Carbon Steel, Low- and Intermediate-Tensile Strength	49 CFR 179.300-7(a)
ASTM A307	1978	American Society for Testing and Materials	Carbon Steel Bolts and Studs, 60,000 PSI Tensile Strength	46 CFR 56.25-20(b)
ASTM A325	1979	American Society for Testing and Materials	High-Strength Bolts for Structural Steel Joists	24 CFR 200, Subpart S
ASTM A333	1994	American Society for Testing and Materials	Standard Specification for Seamless and Welded Steel Pipe for Low-Temperature Service	46 CFR 56.50-105
ASTM A369	1992	American Society for Testing and Materials	Standard Specification for Carbon and Ferritic Alloy Steel Forged and Bored Pipe for High-Temperature Service	46 CFR 56.60-1(b)
ASTM A370	1977	American Society for Testing and Materials	Standard Test Method and Definitions for Mechanical Testing of Steel Products	49 CFR 179.102-1(a)(1)
ASTM A381	1996	American Society for Testing and Materials	Standard Specification for Metal-Arc-Welded Steel Pipe for Use with High-Pressure Transmission Systems	49 CFR 192.113
ASTM A391	1965	American Society for Testing and Materials	Standard Specification for Alloy Steel Chain	29 CFR 1910.184(e)(4)
ASTM A416	1974	American Society for	Uncoated Seven-Wire	24 CFR 200, Subpart S

		Testing and Materials	Stress-Relieved Strand for Prestressed Concrete	
ASTM A441	1979	American Society for Testing and Materials	High-Strength Low-Alloy Structural Manganese Vanadium Steel	24 CFR 200, Subpart S
ASTM A449	1978	American Society for Testing and Materials	Quenched and Tempered Steel Bolts and Studs	24 CFR 200, Subpart S
ASTM A475	1978	American Society for Testing and Materials	Standard Specification for Zinc-Coated Steel Wire Strand	7 CFR 1755.370(b)
ASTM A483	1964	American Society for Testing and Materials	Standard Specification for Silicomanganese	40 CFR 60.261(o)
ASTM A490	1979	American Society for Testing and Materials	Quenched and Tempered Alloy Steel Bolts for Structural Steel Joints	24 CFR 200, Subpart S
ASTM A496	1978	American Society for Testing and Materials	Deformed Steel Wire for Concrete Reinforcement	24 CFR 200, Subpart S
ASTM A497	1979	American Society for Testing and Materials	Welded Deformed Steel Wire, Fabric for Concrete Reinforcement	24 CFR 200, Subpart S
ASTM A500	1978	American Society for Testing and Materials	Cold-Formed Welded and Seamless Carbon Steel Structural Tubing in Rounds and Shapes	24 CFR 200, Subpart S
ASTM A501	1976	American Society for Testing and Materials	Hot-Formed Welded and Seamless Carbon Steel Structural Tubing	24 CFR 200, Subpart S
ASTM A502	1976	American Society for Testing and Materials	Steel Structural Rivets	24 CFR 200, Subpart S
ASTM A514	1977	American Society for Testing and Materials	High-Yield Strength, Quenched and Tempered Alloy Steel Plate, Suitable for Welding	24 CFR 200, Subpart S
ASTM A516	1990	American Society for Testing and Materials	Standard Specification for Pressure Vessel Plates, Carbon Steel, for Moderate and Lower-Temperature Service	49 CFR 178.337-2(b)(2)(i)
ASTM A522	1995	American Society for Testing and Materials	Forged or Rolled 8 and 9% Nickel Alloy Steel Flanges, Fittings, Valves, and Parts for Low-Temperature	46 CFR 56.50-105

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ASTM A529	1972	American Society for Testing and Materials	Service Structural Steel with 42,000PSI (290 Mpa) Minimum Yield Point (1/2 in (12.7 mm) Maximum Thickness	24 CFR 200, Subpart S
ASTM A529	1975	American Society for Testing and Materials	Structural Steel with 42,000PSI (290 Mpa) Minimum Yield Point (1/2 in (12.7 mm) Maximum Thickness	24 CFR 200, Subpart S
ASTM A539	1990	American Society for Testing and Materials	Standard Specification for Electric-Resistance-Welded Coiled Steel Tubing for Gas and Fuel Oil Lines	24 CFR 3280.705(b)(4)
ASTM A570	1979	American Society for Testing and Materials	Hot-Rolled Carbon Steel Sheet and Strip, Structural Quality	24 CFR 200, Subpart S
ASTM A572	1979	American Society for Testing and Materials	High-Strength Low-Alloy Columbium-Vanadium Steels of Structural Quality	24 CFR 200, Subpart S
ASTM A588	1979	American Society for Testing and Materials	High-Strength Low-Alloy Structural Steel with 50 ksi Minimum Yield Point to 4 inches Thick	24 CFR 200, Subpart S
ASTM A611	1972	American Society for Testing and Materials	Steel, Cold-rolled Sheet, Carbon, Structural	24 CFR 200, Subpart S
ASTM A615	1979	American Society for Testing and Materials	Deformed and Plain Billet-Steel Bars for Concrete Reinforcement	24 CFR 200, Subpart S
ASTM A616	1979	American Society for Testing and Materials	Rail-Steel Deformed and Plain Bars for Concrete Reinforcement	24 CFR 200, Subpart S
ASTM A617	1979	American Society for Testing and Materials	Axle-Steel Deformed and Plain Bars for Concrete Reinforcement	24 CFR 200, Subpart S
ASTM A618	1974	American Society for Testing and Materials	Hot-Formed Welded and Seamless High-Strength Low-Alloy Structural Tubing	24 CFR 200, Subpart S
ASTM A633	1979	American Society for Testing and Materials	Standard Specification for Normalized High-Strength Low Alloy Structural Steel	49 CFR 178.338-2(a)

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ASTM A671	2004	American Society for Testing and Materials	Standard Specification for Electric-Fusion-Welded Steel Pipe for Atmospheric and Lower Temperatures	49 CFR 192.113
ASTM A672	1996	American Society for Testing and Materials	Standard Specification for Electric-Fusion-Welded Steel Pipe for High-Pressure Service at Moderate Temperatures	49 CFR 192.113
ASTM A691	1998	American Society for Testing and Materials	Standard Specification for Carbon and Alloy Steel Pipe, Electric-Fusion-Welded for High-Pressure Service at High Temperature	49 CFR 192.113
ASTM B16	1985	American Society for Testing and Materials	Standard Specification for Free-Cutting Brass Rod, Bar, and Shapes for Use in Screw Machines	46 CFR 56.60-2
ASTM B16	1992	American Society for Testing and Materials	Standard Specification for Free-Cutting Brass Rod, Bar, and Shapes for Use in Screw Machines	46 CFR 56.60-2
ASTM B21	1983	American Society for Testing and Materials	Standard Specification for Naval Brass Rod, Bar, and Shapes	46 CFR 56.60-2
ASTM B21	1996	American Society for Testing and Materials	Standard Specification for Naval Brass Rod, Bar, and Shapes	46 CFR 56.60-2
ASTM B42	1996	American Society for Testing and Materials	Standard Specification for Seamless Copper Pipe, Standard Sizes	46 CFR 56.60-1(b)
ASTM B68	1995	American Society for Testing and Materials	Standard Specification for Seamless Copper Tube, Bright Annealed	46 CFR 56.60-1(b)
ASTM B75	1997	American Society for Testing and Materials	Standard Specification for Seamless Copper Tube	46 CFR 56.60-1(b)
ASTM B85	1984	American Society for Testing and Materials	Standard Specification for Aluminum-Alloy Die Castings	46 CFR 56.60-2
ASTM B88	1996	American Society for Testing and Materials	Standard Specification for Seamless Copper Water Tube	46 CFR 56.60-1(b)
ASTM B96	1993	American Society for Testing and Materials	Standard Specification for Copper-Silicon Alloy	46 CFR 119.440

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ASTM B111	1995	American Society for Testing and Materials	Plate, Sheet, Strip, and Bolled Bar for General Purposes and Pressure Vessels	46 CFR 56.60-1(b)
ASTM B117	1973	American Society for Testing and Materials	Copper and Copper-Alloy Seamless Condenser Tubes and Ferrule Stock	49 CFR 571.209 S5.2(a)
ASTM B122	1995	American Society for Testing and Materials	Standard Practice for Operating Salt Spray (Fog) Apparatus	46 CFR 119.440
ASTM B124	1996	American Society for Testing and Materials	Standard Specification for Copper-Nickel-Tin Alloy, Copper-Nickel-Zinc Alloy (Nickel Silver), and Copper-Nickel Alloy Plate, Sheet, Strip and Rolled Bar	46 CFR 56.60-2
ASTM B152	1997	American Society for Testing and Materials	Standard Specification for Copper and Copper-Alloy Forging Rod, Bar, and Shapes	46 CFR 58.50-5(a)(4)
ASTM B193	1987	American Society for Testing and Materials	Standard Specification for Copper, Sheet, Strip, Plate, and Rolled Bar	7 CFR 1755.390(i)(5)(v)(A)
ASTM B209	1996	American Society for Testing and Materials	Standard Test Method for Resistivity of Electrical Conductor Materials	46 CFR 58.50-5, Table 58.50-5(a)
ASTM B224	1980	American Society for Testing and Materials	Standard Specification for Aluminum and Aluminum Alloy Sheet and Plate	7 CFR 1755.890(i)(5)(vi)
ASTM B227	1970	American Society for Testing and Materials	Standard Classification of Coppers	24 CFR 200, Subpart S
ASTM B280	1997	American Society for Testing and Materials	Hard-Drawn Copper-Clad Steel Wire	46 CFR 56.60-1(b)
ASTM B283	1996	American Society for Testing and Materials	Seamless Copper Tube for Air Conditioning and Refrigeration Field Service	46 CFR 56.60-2
ASTM B315	1993	American Society for Testing and Materials	Standard Specification for Copper and Copper-Alloy Die Forgings (Hot-Pressed)	46 CFR 56.60-1(b)
ASTM B557	1984	American Society for Testing and Materials	Seamless Copper Alloy Pipe Tube	49 CFR 178.46(i)(3)(i)
			Tension Testing Wrought and Cast	

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ASTM B580	1979	American Society for Testing and Materials	Aluminum and Magnesium-Alloy Products Standard Specification for Anodized Oxide Coatings on Aluminum	49 CFR 171.7
ASTM B694	1986	American Society for Testing and Materials	Standard Specification for Copper, Copper Alloy, and Copper-Clad Stainless Steel Sheet and Strip for Electrical Cable Shielding	7 CFR 1755.390(i)(5)(v)
ASTM B858	1995	American Society for Testing and Materials	Standard Test Method for Determination of Susceptibility to Stress Corrosion Cracking in Copper Alloys Using Ammonia Vapor Test	46 CFR 56.60-2
ASTM C4	1962	American Society for Testing and Materials	Standard Specification for Clay Drain Tile and Perforated Clay Drain Tile	24 CFR 200, Subpart S
ASTM C5	1979	American Society for Testing and Materials	Standard Specification for Quicklime for Structural Purposes	24 CFR 200, Subpart S
ASTM C32	1973	American Society for Testing and Materials	Standard Specification for Sewer and Manhole Brick	24 CFR 200, Subpart S
ASTM C34	1962	American Society for Testing and Materials	Standard Specification for Structural Clay Load-Bearing Wall Tile	24 CFR 200, Subpart S
ASTM C52	1954	American Society for Testing and Materials	Specification for Gypsum Partition Tile or Block	24 CFR 200, Subpart S
ASTM C56	1971	American Society for Testing and Materials	Standard Specification for Structural Clay Nonloadbearing Tile	24 CFR 200, Subpart S
ASTM C64	1972	American Society for Testing and Materials	Specification for Fireclay Brick Refractories for Heavy Duty Stationary Boiler Service	24 CFR 200, Subpart S
ASTM C90	1970	American Society for Testing and Materials	Standard Specification for Hollow Load-Bearing Concrete Masonry Units	49 CFR 223 Appendix A (b)(10)(ii)
ASTM C126	1971	American Society for Testing and Materials	Standard Specification for Ceramic Glazed Structural Clay Facing Tile, Facing Brick, and Solid Masonry Units	24 CFR 200, Subpart S

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ASTM C139	1973	American Society for Testing and Materials	Standard Specification for Concrete Masonry Units for Construction of Catch Basins and Manholes	24 CFR 200, Subpart S
ASTM C150	1917	American Society for Testing and Materials	Standard Specification for Portland Cement	49 CFR 571.108
ASTM C150	1999	American Society for Testing and Materials	Standard Specification for Portland Cement	30 CFR 250.198
ASTM C150	2007	American Society for Testing and Materials	Standard Specification for Portland Cement	30 CFR 250.901(d)(9)
ASTM C177	1997	American Society for Testing and Materials	Standard Test Method for Steady-State Heat Flux Measurements and Thermal Transmission Properties by Means of the Guarded Hot-Plate Apparatus	10 CFR 431.102
ASTM C177 (pdf) ASTM C177 (html)	2004	American Society for Testing and Materials	Standard Test Method for Steady-State Heat Flux Measurements and Thermal Transmission Properties by Means of the Guarded Hot-Plate Apparatus	16 CFR 460.5(a)
ASTM C236	1989	American Society for Testing and Materials	Standard Test Method for Steady-State Thermal Performance of Building Assemblies by Means of a Guarded Hot Box	10 CFR 434.402.1.2.1(a)
ASTM C330	1999	American Society for Testing and Materials	Standard Specification for Lightweight Aggregates for Structural Concrete	30 CFR 250.901(a)(18)
ASTM C476	1971	American Society for Testing and Materials	Standard Specification for Grout for Masonry	24 CFR 200, Subpart S
ASTM C509	1984	American Society for Testing and Materials	Standard Specification for Elastomeric Cellular Preformed Gasket and Sealing Material	24 CFR 200, Subpart S
ASTM C516	1980	American Society for Testing and Materials	Standard Specification for Vermiculite Loose Fill Thermal Insulation	24 CFR 200, Subpart S
ASTM C518	1991	American Society for Testing and Materials	Standard Test Method for Steady-State Heat Flux Measurements and Thermal Transmission	46 CFR 160.174-17(f)

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ASTM C518	2004	American Society for Testing and Materials	Properties by Means of the Heat Flow Meter Apparatus Standard Test Method for Steady-State Heat Flux Measurements and Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus	16 CFR 460.5(a)
ASTM C549	1981	American Society for Testing and Materials	Standard Specification for Perlite Loose Fill Insulation	10 CFR 440 Appendix A
ASTM C564	1970	American Society for Testing and Materials	Standard Specification for Rubber Gaskets for Cast Iron Soil Pipe and Fittings	24 CFR 3280.611(d)(5)(iv)
ASTM C720	1989	American Society for Testing and Materials	Spray Applied Fibrous Insulation for Elevated Temperature	10 CFR 440 Appendix A
ASTM C1045	2001	American Society for Testing and Materials	Standard Practice for Calculating Thermal Transmission Properties from Steady-State Heat Flux Measurements	16 CFR 460.5(a)
ASTM C1114	2000	American Society for Testing and Materials	Standard Test Method for Steady-State Thermal Transmission Properties by Means of the Thin-Heater Apparatus	16 CFR 460.5(a)
ASTM C1149	2002	American Society for Testing and Materials	Standard Specification for Self-Supported Spray Applied Cellulosic Thermal Insulation	16 CFR 460.5(a)(4)
ASTM C1224	2003	American Society for Testing and Materials	Standard Specification for Reflective Insulation for Building Applications	16 CFR 460.5(c)
ASTM C1371	2004	American Society for Testing and Materials	Standard Test Method for Determination of Emittance of Materials Near Room Temperature Using Portable Emissometers	16 CFR 460.5(b)
ASTM C1374	2003	American Society for Testing and Materials	Standard Test Method for Determination of	16 CFR 460.5(a)(5)

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			Installed Thickness of Pneumatically Applied Loose-Fill Building Insulation	
ASTM D56	1970	American Society for Testing and Materials	Standard Test Method for Flash Point by Tag Closed Cup Tester	29 CFR 1910.106(a)(14)(i)
ASTM D86	2001	American Society for Testing and Materials	Standard Test Method for Distillation of Petroleum Products at Atmospheric Pressure	40 CFR 94.108(a)(1) Table B-5
ASTM D86	2004	American Society for Testing and Materials	Standard Test Method for Distillation of Petroleum Products at Atmospheric Pressure	40 CFR 1065.710
ASTM D86 (pdf) ASTM D86 (html)	2007	American Society for Testing and Materials	Standard Test Method for Distillation of Petroleum Products at Atmospheric Pressure	40 CFR 1065.710
ASTM D88	1956	American Society for Testing and Materials	Standard Test Method for Saybolt Viscosity	29 CFR 1910.106(a)(37)
ASTM D93	2002	American Society for Testing and Materials	Standard Test Method for Flash Point by Pensky-Martens Closed Cup Tester	40 CFR 94.108(a)(1) Table B-5
ASTM D129	1964	American Society for Testing and Materials	Standard Test Method for Sulfur in Petroleum Products (General Bomb Method)	40 CFR 60.106(j)(2)
ASTM D129	1995	American Society for Testing and Materials	Standard Test Method for Sulfur in Petroleum Products (General Bomb Method)	40 CFR 60.106(j)(2)
ASTM D129 (pdf) ASTM D129 (html)	2000	American Society for Testing and Materials	Standard Test Method for Sulfur in Petroleum Products (General Bomb Method)	40 CFR 60.335(b)(10)(i)
ASTM D257	1991	American Society for Testing and Materials	Standard Test Method for DC Resistance of Conductance of Insulating Materials	7 CFR 1755.860(e)(5)
ASTM D287	1992	American Society for Testing and Materials	Standard Test Method for API Gravity of Crude Petroleum and Petroleum Products (Hydrometer Method)	40 CFR 94.108(a)(1) Table B-5
ASTM D323	1958	American Society for Testing and Materials	Standard Test Method for Vapor Pressure of Petroleum Products (Reid Method)	29 CFR 1910.106(a)(30)

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ASTM D388	1998	American Society for Testing and Materials	Standard Classification of Coals by Rank	40 CFR 60.251(b)
ASTM D396	1998	American Society for Testing and Materials	Standard Specification for Fuel Oils	40 CFR 60.41b
ASTM D396 (pdf) ASTM D396 (html)	2002	American Society for Testing and Materials	Standard Specification for Fuel Oils	40 CFR 63.7575
ASTM D412	1968	American Society for Testing and Materials	Standard Test Methods for Vulcanized Rubber and Thermoplastic Elastomers-Tension	21 CFR 801.410(d)(2)
ASTM D413	1982	American Society for Testing and Materials	Standard Test Method for Rubber Property—Adhesion to Flexible Substrate	46 CFR 160.055-3 Table 160-055-3(j)
ASTM D445	1965	American Society for Testing and Materials	Standard Test Method for Kinematic Viscosity of Transparent and Opaque Liquids	29 CFR 1910.106(a)(37)
ASTM D445	1972	American Society for Testing and Materials	Standard Test Method for Kinematic Viscosity of Transparent and Opaque Liquids	21 CFR 177.1430(c)(2)
ASTM D512	1989	American Society for Testing and Materials	Standard Test Methods for Chloride Ion In Water	40 CFR 136.3(a)
ASTM D611	1982	American Society for Testing and Materials	Standard Test Method for Aniline Point and Mixed Aniline Point of Petroleum Products and Hydrocarbon Solvents	21 CFR 177.1520(b)
ASTM D660	1944	American Society for Testing and Materials	Evaluating Degree of Resistant to Checking of Exterior Paints	24 CFR 200, Subpart S
ASTM D665	1998	American Society for Testing and Materials	Standard Test Method for Rust-Preventing Characteristics of Inhibited Mineral Oil in the Presence of Water	46 CFR 61.20-17(a)
ASTM D750	1968	American Society for Testing and Materials	Recommended Practice for Rubber Deterioration in Carbon-Arc or Weathering Apparatus	24 CFR 200, Subpart S
ASTM D756	1956	American Society for Testing and Materials	Standard Practice for Determination of Weight and Shape Changes of Plastics Under Accelerated Service Conditions	49 CFR 571.209 S5.2(b)

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ASTM D781	1968	American Society for Testing and Materials	Standard Test Methods for Puncture and Stiffness of Paperboard and Corrugated and Solid Fiberboard	24 CFR 3280.304(b)(1)
ASTM D785	1965	American Society for Testing and Materials	Standard Method of Test for Rockwell Hardness of Plastics and Electrical Insulating Materials	16 CFR 1201.4
ASTM D814	1995	American Society for Testing and Materials	Standard Test Method for Rubber Property—Vapor Transmission of Volatile Liquids	40 CFR 1051.245(e)(1)
ASTM D975	1998	American Society for Testing and Materials	Standard Specification for Diesel Fuel Oils	46 CFR 160.176-13(r)
ASTM D975 (pdf) ASTM D975 (html)	2007	American Society for Testing and Materials	Standard Specification for Diesel Fuel Oils	40 CFR 1065.701
ASTM D976	1991	American Society for Testing and Materials	Standard Test Method for Calculated Cetane Index of Distillate Fuels	40 CFR 92.113
ASTM D1056	1973	American Society for Testing and Materials	Standard Specification for Flexible Cellular Materials Sponge or Expanded Rubber	49 CFR 571.213
ASTM D1060	1965	American Society for Testing and Materials	Standard Method of Core Sampling of Raw Wool Packages for Determination of Percentage of Clean Wool Fiber Present	7 CFR 31.204
ASTM D1067	2002	American Society for Testing and Materials	Standard Test Method for Acidity or Alkalinity of Water	40 CFR 141.21
ASTM D1068	2003	American Society for Testing and Materials	Standard Test Methods for Iron in Water	40 CFR 136.3(a)
ASTM D1072	1990	American Society for Testing and Materials	Standard Test Method for Total Sulfur in Fuel Gases	40 CFR 60.335(b)(10)(ii)
ASTM D1081	1960	American Society for Testing and Materials	Test for Evaluating Rubber Property—Sealing Pressure	24 CFR 200, Subpart S
ASTM D1126 (pdf) ASTM D1126 (html) ASTM D1126 (svg)	2002	American Society for Testing and Materials	Standard Test Method for Hardness in Water	40 CFR 136

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ASTM D1193	1977	American Society for Testing and Materials	Standard Specification for Reagent Water	40 CFR 60, Appendix A-3
ASTM D1200	1970	American Society for Testing and Materials	Viscosity of Paints, Varnishes and Lacquers by Ford Viscosity Cup	49 CFR 171.8
ASTM D1217	1993	American Society for Testing and Materials	Standard Test Method for Density and Relative Density (Specific Gravity) of Liquids by Bingham Pycnometer	40 CFR 75, Appendix D
ASTM D1246	1995	American Society for Testing and Materials	Bromide - Titrimetric	40 CFR 136.3(a) Table IB
ASTM D1253	1986	American Society for Testing and Materials	Standard Test Method for Residual Chlorine in Water	21 CFR 165.110(b)(4)(iii)(1)(5)(i)
ASTM D1253 (pdf) ASTM D1253 (html)	2003	American Society for Testing and Materials	Standard Test Method for Residual Chlorine in Water	40 CFR 136.3(a) Table IB
ASTM D1266	1998	American Society for Testing and Materials	Standard Test Method for Sulfur in Petroleum Products (Lamp Method)	40 CFR 60.106(j)(2)
ASTM D1298	1999	American Society for Testing and Materials	Standard Practice for Density, Relative Density (Specific Gravity), or API Gravity of Crude Petroleum and Liquid Petroleum Products	40 CFR 75, Appendix D, Section 2.2.6
ASTM D1303	1955	American Society for Testing and Materials	Standard Method of Test for Total Chlorine in Vinyl Chloride Polymers and Copolymers	21 CFR 177.1610(a)
ASTM D1319 (pdf) ASTM D1319 (html)	2003	American Society for Testing and Materials	Standard Test Method for Hydrocarbon Types in Liquid Petroleum Products by Fluorescent Indicator Adsorption	40 CFR 80.2(z)
ASTM D1331	1989	American Society for Testing and Materials	Standard Test Methods for Surface and Interfacial Tension of Solutions of Surface Active Agents	40 CFR 63, Appendix A
ASTM D1335	1967	American Society for Testing and Materials	Standard Test Method for Tuft Bind of Pile Floor Coverings	24 CFR 200.945(a)(1)(ii)

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ASTM D1412	1993	American Society for Testing and Materials	Standard Test Method for Equilibrium Moisture of Coal at 96 to 97 Percent Relative Humidity and 30 Degrees Celsius	30 CFR 870.19
ASTM D1415	1968	American Society for Testing and Materials	Tentative Method of Test for International Hardness of Vulcanized Natural and Synthetic Rubbers	49 CFR 571.116 S7.4.1(b)
ASTM D1415	1988	American Society for Testing and Materials	Standard Practice for Rubber and Rubber Latices—Nomenclature	21 CFR 177.2600(c)(4)(i)
ASTM D1475	1960	American Society for Testing and Materials	Standard Test Method for Density of Paint, Varnish, Lacquer, and Related Products	40 CFR 60, Appendix A-7
ASTM D1480	1993	American Society for Testing and Materials	Standard Test Method for Density and Relative Density (Specific Gravity) of Viscous Materials by Bingham Pycnometer	40 CFR 75, Appendix D
ASTM D1481	1993	American Society for Testing and Materials	Standard Test Method for Density and Relative Density (Specific Gravity) of Viscous Materials by Lipkin Bicapillary Pycnometer	40 CFR 136.3(a) Table IC
ASTM D1505	1968	American Society for Testing and Materials	Standard Test Method for Density of Plastics by the Density-Gradient Technique	21 CFR 177.2480
ASTM D1518	1985	American Society for Testing and Materials	Standard Test Method for Thermal Transmittance of Textile Materials	46 CFR 160.174-17(f)
ASTM D1535	1968	American Society for Testing and Materials	Specifying Color by the Munsell System	16 CFR 1402
ASTM D1535	1968	American Society for Testing and Materials	Specifying Color by the Munsell System	16 CFR 1402.4(a)(1)(i)(E)(2)
ASTM D1535	1989	American Society for Testing and Materials	Specifying Color by the Munsell System	7 CFR 1755.860(c)(3)
ASTM D1552	1995	American Society for Testing and Materials	Standard Test Method for Sulfur in Petroleum Products (High-Temperature Method)	40 CFR 60, Appendix A-7
ASTM D1564	1971	American Society for	Standard Method of	40 CFR 136.3(a)

		Testing and Materials	Testing Flexible Cellular Materials--Slab Urethane Foam	
ASTM D1687	1992	American Society for Testing and Materials	Standard Test Methods for Chromium in Water	40 CFR 444.12(b)(1)
ASTM D1688	1995	American Society for Testing and Materials	Standard Test Method for Copper in Water	40 CFR 141.23(k)(1)
ASTM D1692	1968	American Society for Testing and Materials	Test for Flammability of Plastic Sheeting and Cellular Plastics	29 CFR 1910.103(c)(1)(v)(D)
ASTM D1785	1986	American Society for Testing and Materials	Standard Specification for Poly (Vinyl Chloride)(PVC) Plastic Pipe, Schedules 40, 80, and 120	46 CFR 56.01-2
ASTM D1835	1997	American Society for Testing and Materials	Standard Specification for Liquefied Petroleum (LP) Gases	49 CFR 180.209(e)
ASTM D1890	1996	American Society for Testing and Materials	Standard Test Method for Beta Particle Radioactivity of Water	40 CFR 136.3(a)
ASTM D1943	1996	American Society for Testing and Materials	Standard Test Method for Alpha Particle Radioactivity of Water	40 CFR 136.3(a)
ASTM D1945	1996	American Society for Testing and Materials	Standard Test Method for Analysis of Natural Gas By Gas Chromatography	40 CFR 60.45(f)(5)(i)
ASTM D1946	1990	American Society for Testing and Materials	Standard Method for Analysis of Reformed Gas by Gas Chromatography	40 CFR 60.614(e)(4)
ASTM D1962	1967	American Society for Testing and Materials	Standard Test Method for Saponification Value of Drying Oils, Fatty Acids, and Polymerized Fatty Acids	21 CFR 178.2010(b)
ASTM D2013	1986	American Society for Testing and Materials	Standard Method of Preparing Coal Samples for Analysis	40 CFR 60, Appendix A-7
ASTM D2015	1996	American Society for Testing and Materials	Standard Test Method for Gross Calorific Value of Solid Fuel by the Adiabatic Bomb Calorimeter	40 CFR 60.45(f)(5)(ii)
ASTM D2036	1998	American Society for Testing and Materials	Standard Test Method for Cyanides in Water	40 CFR 136.3(a) Table IB
ASTM D2099	2000	American Society for Testing and Materials	Standard Test Method for Dynamic Water	40 CFR 63.5350(b)

ASTM D2156	1965	American Society for Testing and Materials	Resistance of Shoe Upper Maeser Water Penetration Tester Method of Tests for Smoke Density in Flue Gases from Distillate Fuels	10 CFR 430 Subpart B
ASTM D2161	1966	American Society for Testing and Materials	Standard Method of Conversion of Kinematic Viscosity to Saybolt Universal Viscosity or to Saybolt Furol Viscosity	29 CFR 1910.106(a)(37)
ASTM D2163	1991	American Society for Testing and Materials	Standard Test Method for Analysis of Liquefied Petroleum (LP) Gases and Propane Concentrates by Gas Chromatography	40 CFR 86.1313-94(f)(3)
ASTM D2216	1998	American Society for Testing and Materials	Standard Test Method for Laboratory Determination of Water (Moisture) Content of Soil and Rock by Mass	40 CFR 258.41(a)(4)(iii) (A)
ASTM D2234	1998	American Society for Testing and Materials	Standard Practice for Collection of a Gross Sample of Coal	40 CFR 60, Appendix A-7
ASTM D2236	1970	American Society for Testing and Materials	Standard Method of Test for Dynamic Mechanical Properties of Plastics by Means of a Torsional Pendulum	21 CFR 177.1810(c)(2)(i)
ASTM D2247	1968	American Society for Testing and Materials	Standard Practice for Testing Water Resistance of Coatings in 100 Percent Relative Humidity	24 CFR 200, Subpart S
ASTM D2267	1968	American Society for Testing and Materials	Standard Test Method for Aromatics in Light Naphthas and Aviation Gasoline by Gas Chromatography	40 CFR 61.67(h)(1)
ASTM D2460	1997	American Society for Testing and Materials	Standard Test Method for Alpha-Particle-Emitting Isotopes of Radium in Water	40 CFR 136.3(a) Table IE
ASTM D2502	1992	American Society for Testing and Materials	Standard Test Method for Estimation of Molecular Weight	40 CFR 75, Appendix G

ASTM D2503	1992	American Society for Testing and Materials	(Relative Molecular Mass) of Petroleum Oils from Viscosity Measurements Standard Method of Test for Molecular Weight of Hydrocarbons by Thermoelectric Measurement of Vapor Pressure	40 CFR 98.254
ASTM D2505	1988	American Society for Testing and Materials	Standard Test Method for Ethylene, Other Hydrocarbons, and Carbon Dioxide in High-Purity Ethylene by Gas Chromatography	40 CFR 98.7
ASTM D2515	1966	American Society for Testing and Materials	Standard Specification for Kinematic Glass Viscosity	49 CFR 571.116 S6.3.2(a)
ASTM D2565	1970	American Society for Testing and Materials	Standard Practice for Operating Xenon Arc-Type Light-Exposure Apparatus With or Without Water for Exposure of Plastics	16 CFR 1201.4(b)(3)(ii)
ASTM D2597	1994	American Society for Testing and Materials	Standard Test Method for Analysis of Demethanized Hydrocarbon Liquid Mixtures Containing Nitrogen and Carbon Dioxide by Gas Chromatography	40 CFR 60.335(b)(9)(i)
ASTM D2622	1998	American Society for Testing and Materials	Standard Test Method for Sulfur in Petroleum Products by Wavelength Dispersive X-ray Fluorescence Spectrometry	40 CFR 80.46(a)(1)
ASTM D2724	1987	American Society for Testing and Materials	Standard Test Method for Bonded, Fused, and Laminated Apparel Fabrics	49 CFR 238 Appendix B(a)(1)(ii)
ASTM D2777	1998	American Society for Testing and Materials	Standard Practice for Determination of Precision and Bias of Applicable Test Methods of Committee D-19 on Water	46 CFR 162.050-15(f)(1)
ASTM D2857	1970	American Society for	Standard Method of	21 CFR 177.2210(b)(3)

		Testing and Materials	Test for Dilute Solution Viscosity of Polymers	
ASTM D2879	1997	American Society for Testing and Materials	Standard Test Method for Vapor Pressure–Temperature Relationship and Initial Decomposition Temperature of Liquids by Isoteniscope	40 CFR 60.116b(e)(3)(ii)
ASTM D2908	1974	American Society for Testing and Materials	Standard Practice for Measuring Volatile Organic Matter in Water by Aqueous-Injection Gas Chromatography	40 CFR 60.564(j)(1)
ASTM D2908	1991	American Society for Testing and Materials	Standard Practice for Measuring Volatile Organic Matter in Water by Aqueous-Injection Gas Chromatography	40 CFR 60.564(j)(1)
ASTM D2986	1995	American Society for Testing and Materials	Standard Method for Evaluation of Air, Assay Media by the Monodisperse DOP (Diocetyl Phthalate) Smoke Test	40 CFR 86.1310-2007(b)(7)(i)(A)
ASTM D3120	1996	American Society for Testing and Materials	Standard Test Method for Trace Quantities of Sulfur in Light Liquid Petroleum Hydrocarbons by Oxidative Microcoulometry	40 CFR 80.46(a)(3)(iii)
ASTM D3168	1973	American Society for Testing and Materials	Standard Recommended Practices for Qualitative Identification of Polymers in Emulsion Paints	21 CFR 200.946
ASTM D3173	1987	American Society for Testing and Materials	Standard Test Method for Moisture in the Analysis Sample of Coal and Coke	40 CFR 60, Appendix A-7
ASTM D3176	1989	American Society for Testing and Materials	Standard Practice for Ultimate Analysis of Coal and Coke	40 CFR 76.15(a)(1)
ASTM D3177	1989	American Society for Testing and Materials	Standard Test Method for Total Sulfur in the Analysis Sample of Coal and Coke	40 CFR 60, Appendix A-7

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ASTM D3178	1989	American Society for Testing and Materials	Standard Test Method for Carbon and Hydrogen in the Analysis Sample of Coal and Coke	40 CFR 60.45(f)(5)(i)
ASTM D3236	1988	American Society for Testing and Materials	Standard Test Method for Apparent Viscosity of Hot Metal Adhesives and Coating Materials	21 CFR 177.1520(b)
ASTM D3246	1996	American Society for Testing and Materials	Standard Test Method for Sulfur in Petroleum Gas by Oxidative Microcoulometry	40 CFR 60.335(b)(10)(ii)
ASTM D3286	1996	American Society for Testing and Materials	Standard Test Method for Gross Calorific Value of Coal and Coke by the Isoperibol Bomb Calorimeter	40 CFR 60.17
ASTM D3371	1995	American Society for Testing and Materials	Standard Test Method for Nitriles in Aqueous Solution by Gas-Liquid Chromatography	40 CFR 136.3(a) Table IF
ASTM D3454	1997	American Society for Testing and Materials	Standard Test Method for Radium-226 in Water	40 CFR 136.3(a) Table IE
ASTM D3559 (pdf) ASTM D3559 (html)	2003	American Society for Testing and Materials	Standard Test Methods for Lead in Water	40 CFR 136
ASTM D3588	1998	American Society for Testing and Materials	Standard Practice for Calculating Heat Value, Compressibility Factor, and Relative Density (Specific Gravity) of Gaseous Fuels	40 CFR 75, Appendix F
ASTM D3695	1995	American Society for Testing and Materials	Standard Test Method for Volatile Alcohols in Water by Direct Aqueous-Injection Gas Chromatography	40 CFR 136.3(a) Table IF
ASTM D3697	1992	American Society for Testing and Materials	Standard Test Method for Antimony in Water	21 CFR 165.110(b)(4)(iii)(E)(1)(iv)
ASTM D4057	1995	American Society for Testing and Materials	Standard Practice for Manual Sampling of Petroleum and Petroleum Products	40 CFR 80.8(a)
ASTM D4084	1994	American Society for Testing and Materials	Standard Test Method for Analysis of Hydrogen Sulfide in Gaseous Fuels (Lead	40 CFR 60.334(h)(1)

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ASTM D4177	1995	American Society for Testing and Materials	Acetate Reaction Rate Method) Standard Practice for Automatic Sampling of Petroleum and Petroleum Products	40 CFR 80.330(b)(2)
ASTM D4239	1997	American Society for Testing and Materials	Standard Test Methods for Sulfur in the Analysis Sample of Coal and Coke Using High Temperature Tube Furnace Combustion Methods	40 CFR 60, Appendix A-7
ASTM D4268	1993	American Society for Testing and Materials	Standard Test Method for Testing Fiber Ropes	33 CFR 164.74(a)(3)(i)
ASTM D4294	1998	American Society for Testing and Materials	Standard Test Method for Sulfur in Petroleum and Petroleum Products by Energy-Dispersive X-Ray Fluorescence Spectrometry	40 CFR 75, Appendix A, Section 2.1.1.1(c)
ASTM D4329	1999	American Society for Testing and Materials	Standard Practice for Fluorescent UV Exposure of Plastics	49 CFR 571.106
ASTM D4420	1994	American Society for Testing and Materials	Standard Test Method for Determination of Aromatics in Finished Gasoline by Gas Chromatography	40 CFR 61.67(h)(1)
ASTM D4442	1992	American Society for Testing and Materials	Standard Test Method for Direct Moisture Content Measurement of Wood and Wood-Based Materials	40 CFR 60, Appendix A-8
ASTM D4444	1992	American Society for Testing and Materials	Standard Test Method for Use and Calibration of Hand-Held Moisture Meters	40 CFR 60, Appendix A-8
ASTM D4763	1988	American Society for Testing and Materials	Standard Practice for Identification of Chemicals in Water by Fluorescence Spectroscopy	40 CFR 136.3(a) Table IF
ASTM D4809	1995	American Society for Testing and Materials	Standard Test Method for Heat of Combustion of Liquid Hydrocarbon Fuels by Bomb Calorimeter (Precision Method)	40 CFR 61.245(e)(3)

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ASTM D4891 (pdf) ASTM D4891 (html)	1989	American Society for Testing and Materials	Standard Test Method for Heating Value of Gases in Natural Gas Range by Stolchiometric Combustion	40 CFR 75, Appendix F, Section 5.5.2
ASTM D4986	1998	American Society for Testing and Materials	Standard Test Method for Horizontal Buming Characteristics of Cellular Polymeric Materials	46 CFR 32.57-10(d)(7-a)
ASTM D5257	1997	American Society for Testing and Materials	Standard Test Method for Dissolved Hexavalent Chromium in Water by Ion Chromatography	40 CFR 136.3(a)
ASTM D5373	1993	American Society for Testing and Materials	Standard Methods for Instrumental Determination of Carbon, Hydrogen, and Nitrogen in Laboratory Samples of Coal and Coke	40 CFR 75, Appendix G
ASTM D5392	1993	American Society for Testing and Materials	Standard Test Method for Isolation and Enumeration of Escherichia Coli in Water by the Two-Step Membrane Filter Procedure	40 CFR 136.3(a) Table IH
ASTM D5489	1996	American Society for Testing and Materials	Standard Guide for Care Symbols for Care Instructions on Textile Products	16 CFR 423.8(g)
ASTM D5673	1996	American Society for Testing and Materials	Standard Test Method for Elements in Water by Inductively Coupled Plasma	40 CFR 444.12(b)(1)
ASTM D5865	1998	American Society for Testing and Materials	Standard Test Method for Gross Calorific Value of Coal and Coke	40 CFR 60.45(f)(5)(ii)
ASTM D6216	1998	American Society for Testing and Materials	Standard Practice for Opacity Monitor Manufacturers to Certify Conformance with Design and Performance Specifications	40 CFR 60, Appendix B
ASTM D6228	1998	American Society for Testing and Materials	Standard Test Method for Determination of Sulfur Compounds in	40 CFR 60.334(h)(1)

			Natural Gas and Gaseous Fuels by Gas Chromatography and Flame Photometric Detection	
ASTM D6420	1999	American Society for Testing and Materials	Standard Test Method for Determination of Gaseous Organic Compounds by Direct Interface Gas Chromatography-Mass Spectrometry	40 CFR 63.5850(e)(4)
ASTM D6503	1999	American Society for Testing and Materials	Standard Test Method for Enterococci in Water Using Enterolert	40 CFR 136.3(a) Table IH
ASTM D6522	2000	American Society for Testing and Materials	Standard Test Method for Determination of Nitrogen Oxides, Carbon Monoxide, and Oxygen Concentrations in Emissions from Natural Gas-Fired Reciprocating Engines, Combustion Turbines, Boilers, and Process Heaters Using Portable Analyzers	40 CFR 60.335(a)(2)
ASTM E11	1970	American Society for Testing and Materials	Standard Specification for Wire Cloth and Sieves for Testing Purposes	33 CFR 159.4
ASTM E11	1995	American Society for Testing and Materials	Standard Specification for Wire Cloth and Sieves for Testing Purposes	33 CFR 159.125
ASTM E23	1982	American Society for Testing and Materials	Standard Test Methods for Notched Bar Impact Testing of Metallic Materials	46 CFR 56.50-105(a)(1)(ii)
ASTM E23	1993	American Society for Testing and Materials	Standard Test Method for Notched Bar Impact Testing of Metallic Materials	46 CFR 56.50-105(a)(1)(ii)
ASTM E29	1967	American Society for Testing and Materials	Standard Practice for Using Significant Digits in Test Data to Determine Conformance with Specifications	40 CFR 86.609-98
ASTM E29	1990	American Society for Testing and Materials	Standard Practice for Using Significant Digits	40 CFR 86.000-28(a)(4)(iii)

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			in Test Data to Determine Conformance with Specifications	
ASTM E29 (pdf) ASTM E29 (html)	2002	American Society for Testing and Materials	Standard Specification for Diesel Fuel Oils	40 CFR 1065.701 Table 1
ASTM E72	1980	American Society for Testing and Materials	Standard Test Methods of Conducting Strength Tests of Panels for Building Construction	30 CFR 75.333(e)(1)(i)
ASTM E84 (pdf) ASTM E84 (html)	2001	American Society for Testing and Materials	Standard Test Method for Surface Burning Characteristics of Building Materials	24 CFR 3280.203(a)
ASTM E96	1995	American Society for Testing and Materials	Standard Test Methods for Water Vapor Transmission of Materials	24 CFR 3280.504(a)
ASTM E119 (pdf) ASTM E119 (html)	2000	American Society for Testing and Materials	Standard Test Methods for Fire Tests of Building Construction and Materials	49 CFR 238 Appendix B(a)(1)(v)
ASTM E145	1994	American Society for Testing and Materials	Standard Specification for Gravity-Convection and Forced-Ventilation Ovens	40 CFR 63.14
ASTM E145	1994	American Society for Testing and Materials	Standard Specification for Gravity-Convection and Forced-Ventilation Ovens	40 CFR 63.4581
ASTM E154	1968	American Society for Testing and Materials	Materials for Use as Vapor Barriers Under Concrete Slabs and as Ground Cover in Crawl Spaces	24 CFR 200, Subpart S
ASTM E163	1963	American Society for Testing and Materials	Methods for Fire Tests of Window Assemblies	24 CFR 200, Subpart S
ASTM E168	1967	American Society for Testing and Materials	Standard Practices for General Techniques of Infrared Quantitative Analysis	40 CFR 60.485(d)(1)
ASTM E168	1988	American Society for Testing and Materials	Standard Practices for General Techniques of Infrared Quantitative Analysis	40 CFR 264.1063(d)(1)
ASTM E169	1987	American Society for Testing and Materials	Standard Practices for General Techniques of Ultraviolet-Visible Quantitative Analysis	40 CFR 264.1063(d)(1)

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ASTM E185	1982	American Society for Testing and Materials	Standard Practice for Conducting Surveillance Tests for Light-Water Cooled Nuclear Power Reactor Vessels	10 CFR 50 App. H, I
ASTM E258	1967	American Society for Testing and Materials	Standard Test Method for Total Nitrogen Inorganic Material by Modified Kjeldahl Method	40 CFR 761.71(b)(2)(vi)
ASTM E260	1996	American Society for Testing and Materials	Standard Practice for Packed Column Gas Chromatography	40 CFR 60.485(d)(1)
ASTM E283	1991	American Society for Testing and Materials	Standard Test Method for Determining the Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors	10 CFR 434.402.2
ASTM E298	1968	American Society for Testing and Materials	Standard Methods for Assay of Organic Peroxides	49 CFR 571.116 S6.11.3(a)
ASTM E408	1971	American Society for Testing and Materials	Standard Test Methods for Total Normal Emittance of Surfaces Using Inspection-Meter Techniques	16 CFR 460.5(b)
ASTM E424	1971	American Society for Testing and Materials	Test for Solar Energy Transmittance and Reflectance (Terrestrial) of Sheet Materials	24 CFR 200, Subpart S
ASTM E606	1980	American Society for Testing and Materials	Standard Recommended Practice for Constant-Amplitude Low-Cycle Fatigue Testing	24 CFR 200.946
ASTM E681	1985	American Society for Testing and Materials	Standard Test Method for Concentration Limits of Flammability of Chemicals	49 CFR 173.115(a)(2)
ASTM E695	1979	American Society for Testing and Materials	Standard Method of Measuring Relative Resistance of Wall, Floor and Roof Construction to Impact Loading	24 CFR 200.946(a)(1) (vii)
ASTM E711	1987	American Society for Testing and Materials	Standard Test Method for Gross Calorific Value of Refuse-Derived Fuel by the	40 CFR 63, Subpart DDDDD, Table 6

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			Bomb Calorimeter	
ASTM E773	1997	American Society for Testing and Materials	Standard Test Method for Seal Durability of Sealed Insulating Glass Units	4 CFR 3280.403(d)(2)
ASTM E774	1997	American Society for Testing and Materials	Standard Specifications for Sealed Insulating Glass Units	24 CFR 3280.403(d)(2)
ASTM E775	1987	American Society for Testing and Materials	Standard Test Methods for Total Sulfur in the Analysis Sample of Refuse-Derived Fuel	40 CFR 49.123(e)
ASTM E776	1987	American Society for Testing and Materials	Standard Test Method for Forms of Chlorine in Refuse-Derived Fuel	40 CFR 63, Subpart DDDDD, Table 6
ASTM E885	1988	American Society for Testing and Materials	Standard Test Method for Analyses of Metals in Refuse-Derived Fuel by Atomic Absorption Spectroscopy	40 CFR 63, Subpart DDDDD, Table 6
ASTM E1333	1996	American Society for Testing and Materials	Standard Test Method for Determining Formaldehyde Levels from Wood Products Under Defined Test Conditions Using a Large Chamber	24 CFR 3280.406(b)
ASTM E1337	1990	American Society for Testing and Materials	Standard Test Method for Determining Longitudinal Peak Braking Coefficient of Paved Surfaces Using Standard Reference Test Tire	49 CFR 571.105 S6.9.2(a)
ASTM E1590 (pdf) ASTM E1590 (html)	2001	American Society for Testing and Materials	Standard Test Method for Fire Testing of Mattresses	49 CFR 238 Appendix B(a)(1)(xi)
ASTM E1625	1994	American Society for Testing and Materials	Standard Test Method for Determining Biodegradability of Organic Chemicals in Semi-Continuous Activated Sludge	40 CFR 799.5085
ASTM E1719	1997	American Society for Testing and Materials	Standard Test Method for Vapor Pressure of Liquids by Ebulliometry	40 CFR 799.5085
ASTM F462	1979	American Society for Testing and Materials	Slip-Resistant Bathing Facilities	24 CFR 200, Subpart S

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ASTM F476	1984	American Society for Testing and Materials	Standard Test Method for Security of Swinging Door Assemblies	24 CFR 200.949(a)(1)(ix)
ASTM F478	1992	American Society for Testing and Materials	Standard Specification for In-Service Care of Insulating Line Hose and Covers	29 CFR 1910.137(b)(2)(ix)
ASTM F631	1980	American Society for Testing and Materials	Standard Guide for Collecting Skimmer Performance Data in Controlled Environments	33 CFR 156.40
ASTM F631	1993	American Society for Testing and Materials	Standard Guide for Collecting Skimmer Performance Data in Controlled Environments	33 CFR 154 Appendix C
ASTM F682	1982	American Society for Testing and Materials	Standard Specification for Wrought Carbon Steel Sleeve-Type Pipe Couplings	46 CFR 56.01-2
ASTM F715	1981	American Society for Testing and Materials	Standard Test Methods for Coated Fabrics Used for Oil Spill Control and Storage	33 CFR 154.106
ASTM F715	1995	American Society for Testing and Materials	Standard Test Methods for Coated Fabrics Used for Oil Spill Control and Storage	33 CFR 155, Appendix B, 2.4
ASTM F722	1982	American Society for Testing and Materials	Standard Specification for Welded Joints for Shipboard Piping Systems	33 CFR 155.140
ASTM F808	1983	American Society for Testing and Materials	Guide for Collecting Skimmer Performance Data in Uncontrolled Environments	33 CFR 154, Appendix C
ASTM F808	1983	American Society for Testing and Materials	Guide for Collecting Skimmer Performance Data in Uncontrolled Environments	33 CFR 154, Appendix C, 6.3.1
ASTM F1003	1986	American Society for Testing and Materials	Standard Specification for Searchlights on Motor Lifeboats	46 CFR 199.175(a)(28)(i)
ASTM F1006	1986	American Society for Testing and Materials	Standard Specification for Entrainment Separators for Use in Marine Piping Applications	46 CFR 56.60-1(b)

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ASTM F1007	1986	American Society for Testing and Materials	Standard Specification for Pipe-Line Expansion Joints of the Packed Slip Type for Marine Application	46 CFR 56.60-1(b)
ASTM F1014	1992	American Society for Testing and Materials	Standard Specification for Flashlights on Vessels	46 CFR 35.30-20(c)(3)
ASTM F1020	1986	American Society for Testing and Materials	Standard Specification for Line-Blind Valves for Marine Applications	46 CFR 56.60-1(b)
ASTM F1120	1987	American Society for Testing and Materials	Standard Specification for Circular Metallic Bellows Type Expansion Joints for Piping Applications	46 CFR 56.60-1(b)
ASTM F1121	1987	American Society for Testing and Materials	Standard Specification for International Shore Connections for Marine Fire Applications	33 CFR 126.15(a)(5)
ASTM F1122	1987	American Society for Testing and Materials	Standard Specification for Quick Disconnect Couplings	33 CFR 154.500(d)(3)
ASTM F1123	1987	American Society for Testing and Materials	Standard Specification for Non-Metallic Expansion Joints	46 CFR 56.60-1(b)
ASTM F1139	1988	American Society for Testing and Materials	Standard Specification for Steam Traps and Drains	46 CFR 56.60-1(b)
ASTM F1155	1998	American Society for Testing and Materials	Standard Practice for Selection and Application of Piping System Materials	33 CFR 154
ASTM F1172	1988	American Society for Testing and Materials	Fuel Oil Meters of the Volumetric Positive Displacement Type	46 CFR 56.60-1(b)
ASTM F1173	1995	American Society for Testing and Materials	Standard Specification for Thermosetting Resin Fiberglass Pipe and Fittings to be Used for Marine Applications	46 CFR 56.60-1(b)
ASTM F1196	1994	American Society for Testing and Materials	Standard Specification for Sliding Watertight Door Assemblies	46 CFR 170.270(c)(1)
ASTM F1197	1989	American Society for Testing and Materials	Standard Specification for Sliding Watertight Door Control Systems	46 CFR 174.100(e)(2)
ASTM F1199	1988	American Society for Testing and Materials	Cast (All Temperatures and Pressures) and Welded Pipe Line Strainers (150 psig and	46 CFR 56.60-1(b)

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ASTM F1200	1988	American Society for Testing and Materials	150 Degrees F Maximum) Standard Specification for Fabricated (Welded) Pipe Line Strainers (Above 150 psig and 150°F)	46 CFR 56.60-1(b)
ASTM F1201	1988	American Society for Testing and Materials	Standard Specification for Fluid Conditioner Fittings in Piping Applications Above Zero Degrees F	46 CFR 56.60-1(b)
ASTM F1271	1990	American Society for Testing and Materials	Standard Specification for Spill Valves for Use in Marine Tank Liquid Overpressure Protection Applications	46 CFR 39.20-9(c)(1)
ASTM F1273	1991	American Society for Testing and Materials	Standard Specification for Tank Vent Flame Arresters	46 CFR 32.20-10
ASTM F1292	2004	American Society for Testing and Materials	Standard Specification for Impact Attenuation of Surface Systems Under and Around Playground Equipment	36 CFR 1191, App B, 105.2.3
ASTM F1321	1992	American Society for Testing and Materials	Standard Guide for Conducting a Stability Test (Lightweight Survey and Inclining Experiment) to Determine Light Ship Displacement and Centers of Gravity of a Vessel	46 CFR 28.535(d)
ASTM F1323	1998	American Society for Testing and Materials	Standard Specification for Shipboard Incinerators	46 CFR 63.25-9
ASTM F1471	1993	American Society for Testing and Materials	Standard Test Method for Air Cleaning Performance of a High-Efficiency Particulate Air-Filter System	40 CFR 86.1310-2007(b)(1)(iv)(B)
ASTM F1546	1996	American Society for Testing and Materials	Standard Specification for Firehose Nozzles	46 CFR 162.027-3(a)
ASTM F1548	1994	American Society for Testing and Materials	Performance of Fittings for Use with Gasketed Mechanical Couplings Used in Piping Applications	46 CFR 56.30-35(a)
ASTM F1951	1999	American Society for	Standard Specification	36 CFR 1191, App B,

		Testing and Materials	for Determination of Accessibility of Surface Systems Under and Around Playground Equipment	1008.2.6.1
ASTM F2412 (pdf)	2005	American Society for Testing and Materials	Standard Test Methods for Foot Protection	29 CFR 1910
ASTM F2412 (html)				
ASTM F2412 (svg)				
ASTM F2413 (pdf)	2005	American Society for Testing and Materials	Performance Requirements for Protective Footwear	29 CFR 1910
ASTM F2413 (html)				
ASTM G21	1990	American Society for Testing and Materials	Standard Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi	7 CFR 1755.910(d)(5)(iv)
ASTM G23	1969	American Society for Testing and Materials	Standard Practice for Operating Light Exposure Apparatus (Carbon Arc Type) With and Without Water for Exposure of Nonmetallic Materials	49 CFR 571.209 S5.1(e)
ASTM G26	1970	American Society for Testing and Materials	Standard Recommended Practice for Light- and Water-Exposure Apparatus (Xenon-Arc Type) for Exposure of Non-metallic Materials	16 CFR 1201.4(b)(3)(ii)
ASTM G151	1997	American Society for Testing and Materials	Standard Practice for Exposing Nonmetallic Materials in Accelerated Test Devices that Use Laboratory Light Sources	49 CFR 571.106 S12.7(b)
ASTM G154	2000	American Society for Testing and Materials	Standard Practice for Operating Fluorescent Light Apparatus for UV Exposure of Nonmetallic Materials	49 CFR 571.106 S12.7(b)
ATAA 300	1996	Air Transport Association of America	Packaging of Airline Supplies, Revision 19	49 CFR 171.7
AWPA A1	1991	American Wood Preservers Association	Standard Methods for Analysis of Creosote and Oil-Type Preservatives	7 CFR 1728.201(i)(1)(i)

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AWPA A2	1991	American Wood Preservers Association	Standard Methods for Analysis of Waterborne Preservatives and Fire-Retardant Formulations	7 CFR 1728.201(i)(1)(iii) (A)
AWPA A3	1991	American Wood Preservers Association	Standard Methods for Determining Penetration of Preservatives and Fire Retardants	7 CFR 1728.201(k)(3)
AWPA A5	1991	American Wood Preservers Association	Standard Methods for Analysis of Oil-Borne Preservatives	7 CFR 1728.202(g)(1)(v) (B)
AWPA A6	1989	American Wood Preservers Association	Method for the Determination of Oil-Type Preservatives and Water in Wood	7 CFR 1728.202(g)(1)(v) (A)
AWPA A7	1975	American Wood Preservers Association	Standard Wet Ashing Procedure for Preparing Wood for Chemical Analysis	7 CFR 1728.202(g)(1)(v) (D)
AWPA A9	1990	American Wood Preservers Association	Standard Method for Analysis of Treated Wood and Treating Solutions by X-ray Spectroscopy	7 CFR 1728.202(g)(1)(v) (C)
AWPA A11	1983	American Wood Preservers Association	Standard Method for Analysis of Treated Wood and Treating Solutions by Atomic Absorption Spectroscopy	7 CFR 1728.201(i)(1)(iii) (B)
AWPA M3	1981	American Wood Preservers Association	Standard Quality Control Procedures for Wood Preserving Plants	7 CFR 1728.202(f)(1)
AWPA P1	1991	American Wood Preservers Association	Standard for Coal Tar Creosote for Land and Fresh Water and Marine (Coastal) Water Use	7 CFR 1728.201(i)(1)(i)
AWPA P5	1991	American Wood Preservers Association	Standard for Waterborne Preservative	7 CFR 1728.201(i)(1)(iii) (A)
AWPA P8	1991	American Wood Preservers Association	Standard for Oil-Borne Preservatives	7 CFR 1728.201(i)(1)(iv)
AWPA P9	1991	American Wood Preservers Association	Standard for Solvents and Formulations for Organic Preservative Systems	7 CFR 1728.201(i)(1)(iv)
AWS B3.0	1977	American Welding	Standard Qualification	49 CFR 178.356-2(e)

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		Society	Procedure	
AWS D1.1	2000	American Welding Society	Structural Welding Code—Steel	30 CFR 250.901(a)(20)
BHMA A156.10	1999	Builders Hardware Manufacturers Association	Power Operated Pedestrian Doors	36 CFR 1191, App B, 105.2.1
BHMA A156.19	2002	Builders Hardware Manufacturers Association	Power Assist and Low Energy Power Operated Doors	36 CFR 1191, App B, 408.3.2.1
BOCA	1993	Building Officials and Code Administrators International	Mechanical Code	24 CFR 200.925c(a)(1)(i)
BOCA	1993	Building Officials and Code Administrators International	Plumbing Code	24 CFR 200.925c(a)(1)(i)
BSI EN-13000 (pdf) BSI EN-13000 (html)	2004	British Standards Institute	Cranes—Safety—Mobile Cranes	29 CFR 1926
BSI EN-14439 (pdf) BSI EN-14439 (html)	2006	British Standards Institute	Cranes—Safety—Tower Cranes	29 CFR 1926
CEC Test Method	2004	California Energy Commission	Calculating the Energy Efficiency of Single-Voltage External Ac-Dc and Ac-Ac Power Supplies	10 CFR 430 Subpart B
CABO	1992	Council of American Building Officials	One and Two Family Dwelling Code	24 CFR 200.926b(c)
CABO	1993	Council of American Building Officials	One and Two Family Dwelling Code with Errata Package and 1993 Amendments	24 CFR 200.926(d)(1)(ii) ((B)(2)(ii))
CFTA	1977	Cosmetic, Toiletry, and Fragrance Association	Cosmetic Ingredient Dictionary	21 CFR 701.3(c)(2)(i)
CGA C-5	1991	Compressed Gas Association	Cylinder Service Life—Seamless Steel High Pressure Cylinders	49 CFR 173.302a(b)(3)(i) (A)
CGA C-8	1985	Compressed Gas Association	Standard for Requalification of DOT-3HT Cylinders	49 CFR 180.205(f)(1)
CGA C-11	2001	Compressed Gas Association	Recommended Practice for Inspection of Compressed Gas Cylinders at Time of Manufacture	49 CFR 178.35(g)
CGA C-12	1994	Compressed Gas Association	Qualification Procedure for Acetylene Cylinder	49 CFR 173.303(a)

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CGA C-13	2000	Compressed Gas Association	Design Guidelines for Periodic Visual Inspection and Requalification of Acetylene Cylinders	49 CFR 173.303(e)
CGA G-1	2009	Compressed Gas Association	Acetylene	29 CFR 1910.102(a)
CGA G-2.2	1985	Compressed Gas Association	Guideline Method for Determining Minimum of 0.2% Water in Anhydrous Ammonia	49 CFR 173.315(l)(5)
CGA G-4.1	1985	Compressed Gas Association	Cleaning Equipment for Oxygen Service	49 CFR 178.338-15
CGA P-1	1965	Compressed Gas Association	Safe Handling of Compressed Gases	29 CFR 1910.101(b)
CGA P-20	2003	Compressed Gas Association	Standard for the Classification of Toxic Gas Mixtures	49 CFR 173.115
CGA S-1.1	2005	Compressed Gas Association	Pressure Relief Device Standards	49 CFR 173.301(c)
CGA S-1.2	1980	Compressed Gas Association	Safety Release Device Standard--Cargo and Portable Tanks for Compressed Gases	49 CFR 178.277(e)(4)(iv)
CGA S-7 (pdf) CGA S-7 (html)	2005	Compressed Gas Association	Method for Selecting Pressure Relief Devices for Compressed Gas Mixtures in Cylinders	49 CFR 173.301(c)
CGA TB-2	1980	Compressed Gas Association	Guidelines for Inspection and Repair of MC-330 and MC-331 Cargo Tanks	49 CFR 180.407(g)(3)
CGA TB-25	2008	Compressed Gas Association	Design Considerations for Tube Trailers	49 CFR 173.301
CGSB 43.147	2005	Canadian General Standards Board	Construction, Modification, Qualification, Maintenance, and Selection and Use of Means of Containment for the Handling, Offering for Transport, or Transportation of Dangerous Goods by Rail	49 CFR 171.12
CGSB 43.147	2005	Office des Normes Generales du Canada	Construction, Modification, Qualification, Entretien, Selection Et Utilisation	49 CFR 171.12

			Des Contenants Pour La Manutention, La Demande De Transport Ou La Transport Des Marchandises Dangereuses Par Chemin De Fer	
CI 57	2009	Chlorine Institute	Emergency Shut-Off Systems for Bulk Transfer of Chlorine	49 CFR 177.840(u)
CI 101-7	1993	Chlorine Institute	Excess Flow Valve with Removable Seat	49 CFR 178.276(c)(7)(i)
CI 104-9	2002	Chlorine Institute	Standard Chlorine Angle Valve Assembly	49 CFR 178.337-9(b)(8)
CI 106-6	1993	Chlorine Institute	Excess Flow Valve with Removable Baskets	49 CFR 178.276(c)(7)(ii)
CI 166	2002	Chlorine Institute	Angle Valve Guidelines for Chlorine Bulk Transportation	49 CFR 178.337-9(b)(8)
CI H50155	1996	Chlorine Institute	Pressure Relief Device for Chlorine Service	49 CFR 173.315(i)(13)
CI H51970	1996	Chlorine Institute	Safety Valve for Chlorine Service	49 CFR 173.315(i)(13)
CI	2009	Chlorine Institute	Chlorine Institute Emergency Kit A for 100-lb. and 150-lb. Chlorine Cylinders	49 CFR 173.3(e)(1)
CI	2009	Chlorine Institute	Chlorine Institute Emergency Kit B for Chlorine Ton Containers	49 CFR 173.3(e)(1)
CIE 15	2004	International Commission on Illumination	Technical Report: Colorimetry, 3rd edition	10 CFR 430 Subpart B, App. R, 4.1.1
CIE 15A (xls)	2004	International Commission on Illumination	Supplementary Spectra	10 CFR 430 Subpart B, App. R, 4.1.1
CIE 15B (xls)	2004	International Commission on Illumination	Supplementary Tables	10 CFR 430 Subpart B, App. R, 4.1.1
CRA A-20	1986	Com Refiners Association	Analysis for Starch in Corn	7 CFR 801.7(a)(2)
CSA C390	1993	Canadian Standards Association	Energy Efficiency Test Methods for Three-Phase Induction Motors	10 CFR 431.19(b)(4)
CTIOA R8-103-62	1969	Ceramic Tile Institute of America	Standard Specifications for the	24 CFR 200, Subpart S

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			Installation of Tile Lined Shower Receptors	
CSVA	2004	Commercial Vehicle Safety Alliance	North American Standard Out-of-Service Criteria and Level VI Inspection Procedures and Out-of-Service Criteria for Commercial Highway Vehicles	49 CFR 385.415(b)(1)
EI IP-501	2005	Energy Institute	Determination of aluminum, silicon, vanadium, nickel, iron, sodium, calcium, zinc and phosphorus in residual fuel oil	40 CFR 1065.705 Table 1
FGMA	1990	Flat Glass Marketing Association	Glazing Manual	24 CFR 200, Subpart S
GLI METHOD 2	2009	Great Lakes Instruments	Turbidity	40 CFR 141.74(a)(1)
GPA 2261	2000	Gas Producers Association	Analysis of Natural Gas and Similar Gaseous Mixtures by Gas Chromatography	40 CFR 75, Appendix F, Section 5.5.2
GPA 2261	2000	Gas Processors Association	Analysis of Natural Gas and Similar Gaseous Mixtures by Gas Chromatography	40 CFR 75, Appendix F
GPA 2377	1986	Gas Processors Association	Test for Hydrogen Sulfide and Carbon Dioxide in Natural Gas Using Length of Stain Tubes	40 CFR 60.334(h)(1)
GRI 02-0057	2002	Gas Research Institute	Internal Corrosion Direct Assessment of Gas Transmission Pipelines Methodology	49 CFR 192.927(c)(2)
HACH 8000	2007	Hach Chemical Company	Oxygen Demand, Chemical Using Reactor Digestion Method	40 CFR 136.3(a)
HACH 8008	2007	Hach Chemical Company	1, 10--Phenanthroline Method Using FerroVer Iron Reagent for Water	40 CFR 136.3(a)
HACH 8009	2007	Hach Chemical Company	Zincon Method for Zinc, Hatch Handbook of Water Analysis	40 CFR 444.12(b)(1)
HACH 8034	2007	Hach Chemical Company	Periodate Oxidation Method for Manganese	40 CFR 136.3(a)
HACH 8507	2007	Hach Chemical	Nitrogen Nitrite--Low	40 CFR 136.3(a)

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		Company	Range, Diazotization Method for Water and Wastewater	
HI BTS-2000	2007	Hydronics Institute	Method to Determine Efficiency of Commercial Space Heating Boilers	10 CFR 431.86
HPMA HP-SG-96	1996	Hardwood Plywood Manufacturers Association	Structural Design Guide for Hardwood Plywood Wall Panels	24 CFR 3280.304(b)(1)
IAPMO PS-2	1989	International Association of Plumbing and Mechanical Officials	Material and Property Standard for Cast Brass and Tubing P-Traps	24 CFR 3280.604(b)(2)
IAPMO PS-5	1984	International Association of Plumbing and Mechanical Officials	Material and Property Standard for Special Cast Iron Fittings	24 CFR 3280.604(b)(2)
IAPMO PS-9	1984	International Association of Plumbing and Mechanical Officials	Material and Property Standard for Diversion Tees and Twin Waste Elbow	24 CFR 3280.604(b)(2)
IAPMO PS-14	1989	International Association of Plumbing and Mechanical Officials	Material and Property Standard for Flexible Metallic Water Connectors	24 CFR 3280.604(b)(2)
IAPMO PS-23	1989	International Association of Plumbing and Mechanical Officials	Material and Property Standard for Dishwasher Drain Airgaps	24 CFR 3280.604(b)(2)
IAPMO PS-31	1977	International Association of Plumbing and Mechanical Officials	Material and Property Standard for Backflow Prevention Devices	24 CFR 3280.604(b)(2)
ICAO 9284	2011	International Civil Aviation Organization	Technical Instructions for the Safe Transport of Dangerous Goods by Air	49 CFR 171.7
ICAO Annex 2	1990	International Civil Aviation Organization	Convention on International Civil Aviation, Rules of the Air	14 CFR 135.3(a)(2)
ICAO Annex 16	2008	International Civil Aviation Organization	Environmental Protection, Volume II – Aircraft Engine Emissions	40 CFR 87.89
ICBO	1991	International Conference of Building Officials	Uniform Building Code (1991)	24 CFR 200.925c(a)(1)(iii)
ICBO	1991	International	Uniform Mechanical	24 CFR 200.925c(c)(3)

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		Conference of Building Officials	Code (1991)	
ICEA S-87-640	2006	Insulated Cable Engineers Association	Standard for Optical Fiber Outside Plant Communications Cable	7 CFR 901(c)
ICEA S-110-717	2003	Insulated Cable Engineers Association	Standard for Optical Drop Cable	7 CFR 901(c)
ICS	1973	International Chamber of Shipping	Clean Seas Guide for Oil Tankers	33 CFR 157.23(b)
IEEE 45	2002	Institute of Electrical and Electronics Engineers	Recommended Practice for Electrical Installations on Shipboard	46 CFR 110.10-1
IEEE 112	2004	Institute of Electrical and Electronics Engineers	Test Procedure for Polyphase Induction Motors and Generators	10 CFR 431.15
IEEE 114	2010	Institute of Electrical and Electronics Engineers	IEEE Standard Test Procedure for Single-Phase Induction Motors	10 CFR 431
IEEE 1202 (pdf) IEEE 1202 (html)	1991	Institute of Electrical and Electronics Engineers	Standard for Flame Testing of Cables	46 CFR 111
IEEE C2	1997	Institute of Electrical and Electronics Engineers	National Electrical Safety Code	7 CFR 1755.503(d)(1)
IEEE C2	2007	Institute of Electrical and Electronics Engineers	National Electrical Safety Code (2007)	7 CFR 1755.901(b)
IEEE C37.14	2002	Institute of Electrical and Electronics Engineers	Standard for Low-Voltage AC Power Circuit Breakers Used in Enclosures	46 CFR 110.10-1
IEEE P730.1	1989	Institute of Electrical and Electronics Engineers	Standard for Software Quality Assurance Plans	7 CFR 1755.522(n)(2)
IESNA LM-45	2000	Illuminating Engineering Society of North America	Method for Electrical and Photometric Measurements of General Service Incandescent Filament Lamps	10 CFR 430 Subpart B
IME 22	2011	Institute of Makers of Explosives	Recommendations for the Safe Transportation of Detonators in a Vehicle with Certain Other Explosive Materials	30 CFR 57.6133(b)
IME	1940	Institute of Makers of	Safety in the Handling	29 CFR 1910.261(a)(4)

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		Explosives	and Use of Explosives	(iii)
IMO IMDG.1	2006	International Maritime Organization	International Maritime Dangerous Goods Code (Volume 1)	49 CFR 172.519(f)
IMO IMDG.2	2006	International Maritime Organization	International Maritime Dangerous Goods Code (Volume 2)	49 CFR 172.519(f)
IMO ISPS	2003	International Maritime Organization	International Ship and Port Facility Security Code	33 CFR 101.410(a)
AG ENG	1965	Interstate Printers and Publishers, Inc.	Agriculture Engineering	29 CFR 570.71(b)
ISO 535	1991	International Organization for Standardization	Paper and Board—Determination of Water Absorptiveness--Cobb Method	49 CFR 178.516(b)(1)
ISO 1496-1	1990	International Organization for Standardization	Series 1 Freight Containers—Specification and Testing—Part 1, General Cargo Containers	49 CFR 173.411(b)(6)(iii)
ISO 1496-3	1995	International Organization for Standardization	Series 1 Freight Containers—Specification and Testing—Part 3, Tank containers for Liquids, Gases and Pressurized Dry Bulk	49 CFR 178.74(c)(5)(ii)
ISO 3807-2	2000	International Organization for Standardization	Cylinders for acetylene—Basic requirements—Part 2: Cylinders with fusible plugs	49 CFR 173.303(f)(1)
ISO 6406 (pdf) ISO 6406 (html)	2005	International Organization for Standardization	Seamless Steel Gas Cylinders—Inspection and Testing	49 CFR 180
ISO 7225	2005	International Organization for Standardization	Gas Cylinders—Precautionary Labels	49 CFR 178.71(r)(2)
ISO 7366	1999	International Organization for Standardization	Gas Cylinders—Refillable Seamless Aluminum Alloy Gas Cylinders--Design, Construction and Testing	49 CFR 178.71(h)
ISO 8115	1986	International Organization for Standardization	Cotton bales—Dimensions and density	49 CFR 171.7
ISO 9809-1	1999	International	Gas Cylinders--	49 CFR 178.71(g)(1)

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		Organization for Standardization	Refillable Seamless Steel Gas Cylinders--Design, Construction and Testing--Part 1: Quenched and Tempered Steel Cylinders with Tensile Strength less than 1 100 MPa	
ISO 9809-2	2000	International Organization for Standardization	Gas Cylinders--Refillable Seamless Steel Gas Cylinders--Design, Construction and Testing--Part 2: Quenched and Tempered Steel Cylinders with Tensile Strength Greater than or Equal to 1 100 MPa	49 CFR 178.71(g)(2)
ISO 9809-3	2000	International Organization for Standardization	Gas Cylinders--Refillable Seamless Steel Gas Cylinders--Design, Construction and Testing--Part 3: Normalized Steel Cylinders	49 CFR 178.71(g)(3)
ISO 9978	1992	International Organization for Standardization	Sealed Radioactive Sources--Leak Test Methods	49 CFR 173.469(a)(4)(ii)
ISO 10297	1999	International Organization for Standardization	Gas cylinders--Refillable gas cylinder valves--Specification and type testing	49 CFR 173.301b(c)(1)
ISO 10461 (pdf) ISO 10461 (html)	2005	International Organization for Standardization	Seamless Aluminum Alloy Gas Cylinders--Inspection and Testing	49 CFR 180
ISO 10462 (pdf) ISO 10462 (html)	2005	International Organization for Standardization	Transportable Cylinders for Dissolved Acetylene	49 CFR 180
ISO 11114-1	1997	International Organization for Standardization	Transportable gas cylinders--Compatibility of cylinder and valve materials with gas contents--Part 1: Metallic materials	49 CFR 173.301b(a)(2)
ISO 11114-2	2000	International Organization for Standardization	Transportable gas cylinders--Compatibility of cylinder and valve materials with gas contents--Part 2: Non-metallic materials	49 CFR 173.301b(a)(2)

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ISO 11117	1998	International Organization for Standardization	Gas cylinders--Valve protection caps and valve guards for industrial and medical gas cylinders--Design, construction and tests	49 CFR 173.301b(c)(2)(ii)
ISO 11118	1999	International Organization for Standardization	Gas cylinders--Non-refillable metallic gas cylinders--Specification and test methods	49 CFR 178.71(i)
ISO 11119-1	2002	International Organization for Standardization	Gas cylinders--Gas cylinders of composite construction--Specification and test methods--Part 1: Hoop-wrapped composite gas cylinders	49 CFR 171.7
ISO 11119-2	2002	International Organization for Standardization	Gas cylinders--Gas cylinders of composite construction--Specification and test methods--Part 2: Fully wrapped fibre reinforced composite gas cylinders with load-sharing metal liners	49 CFR 171.7
ISO 11119-3	2002	International Organization for Standardization	Gas cylinders of composite construction--Specification and test methods--Part 3: Fully wrapped fibre reinforced composite gas cylinders with non-load-sharing metallic or non-metallic liners	49 CFR 171.7
ISO 11120	1999	International Organization for Standardization	Gas cylinders--Refillable seamless steel tubes of water capacity between 150 L and 3000 L--Design, construction and testing	49 CFR 178.71(j)
ISO 11621	1997	International Organization for Standardization	Gas cylinders--Procedures for change of gas service	49 CFR 173.301b(a)(2)
ISO 11623 (pdf) ISO 11623 (html)	2002	International Organization for Standardization	Periodic Inspection and Testing of Composite Gas Cylinders	49 CFR 180
ISO 11660-1 (pdf) ISO 11660-1	2008	International Organization for	Cranes: Access, Guards and Restraints:	29 CFR 1926

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(html)		Standardization	General	
ISO 11660-2 (pdf)	1994	International Organization for Standardization	Cranes: Access, Guards and Restraints: Mobile Cranes	29 CFR 1926
ISO 11660-2 (html)				
ISO 11660-3 (pdf)	2008	International Organization for Standardization	Cranes: Access, Guards and Restraints: Tower Cranes	29 CFR 1926
ISO 11660-3 (html)				
ISO 14230-4	2000	International Organization for Standardization	Road Vehicles—Diagnostic Systems	40 CFR 1048.110(g)(2)
ISO 18902 (pdf)	2001	International Organization for Standardization	Photographic Processed Films, Plates, and Papers	36 CFR 1237
ISO 18902 (html)				
ISO 18906 (pdf)	2000	International Organization for Standardization	Photographic Films—Specifications for Safety Film	36 CFR 1237
ISO 18906 (html)				
ITU-R M-493-11	2004	International Telecommunication Union	Digital Selective-calling System for Use in the Maritime Mobile Service, with Annexes 1 and 2	47 CFR 80.1101(c)(2)(ii)
ITU-R M-541-8	1997	International Telecommunication Union	Operational Procedures for the Use of Digital Selective-Calling Equipment in the Maritime Mobile Service	47 CFR 80.1101(c)(4)(iii)
ITU-R M-541-9	2004	International Telecommunication Union	Operational Procedures for the Use of Digital Selective-Calling Equipment in the Maritime Mobile Service	47 CFR 80.1101(c)(2)(iii)
ITU-R M-628-3	1994	International Telecommunication Union	Technical Characteristics for Search and Rescue Radar Transponders	47 CFR 80.1101(c)(6)(ii)
ITU-R M-632-3	1997	International Telecommunication Union	Transmission Characteristics of a Satellite Emergency Position Indicating Radio Beacon	47 CFR 80.1101(c)(11)(iii)
ITU-R M-633-3	2004	International Telecommunication Union	Transmission characteristics of a satellite emergency position-indicating radiobeacon system operating through a low polar-orbiting satellite system	47 CFR 80.1101(c)(5)(iii)
ITU-R M-1371-1	2001	International	Technical	47 CFR 80.1101(c)(12)(i)

		Telecommunication Union	Characteristics for a Universal Shipborne Automatic Identification System Using Time Division Multiple Access	
ITU-T E.161	2001	International Telecommunication Union	Arrangement of Digits, Letters and Symbols on Telephones and Other Devices that Can Be Used for Gaining Access to a Telephone Network	47 CFR 80.1101(b)(2)
ITU-T E.164.1	2008	International Telecommunication Union	Numbering Plan of the International Telephone Service	47 CFR 80.1101(b)(3)
LACHAT 10-204	2008	Lachat Instruments	Digestion and Distillation of Total Cyanide in Drinking and Wastewaters	40 CFR 136.3(a) Table IB
STEAM	1917	Commonwealth of Massachusetts	District Police Steam Boiler Rules	
MSS SP-44	1996	Manufacturers Standardization Society	Steel Pipe Line Flanges	46 CFR 56.01-2
MSS SP-75	2004	Manufacturers Standardization Society	Specification for High-Test Wrought Butt Welding Fittings	49 CFR 118(a)
NACE RP-0502	2002	National Association of Corrosion Engineers	Pipeline External Corrosion Direct Assessment Methodology	49 CFR 192.925(b)(3)
NACM	2003	National Association of Chain Manufacturers	Welded Steel Chain Specifications	49 CFR 393.104(e)(2)
NAS	1972	National Academy of Sciences	Food Chemicals Codex (1972)	21 CFR 701.3(c)(2)(iv)
NAS	1996	National Academy of Sciences	Food Chemicals Codex (1996)	21 CFR 184
NAS	2011	National Academy of Sciences	Prudent Practices in the Laboratory: Handling and Disposal of Chemicals	42 CFR 52b.12(c)(6)
NCASI 98-01	1998	National Council of the Paper Industry for Air and Stream Improvements	Chilled Impinger Method For Use At Wood Products Mills to Measure Formaldehyde, Methanol, and Phenol	40 CFR 63, Subpart DDDD
NCASII 94-03	2002	National Council of the Paper Industry for Air	Methanol in Process Liquids by Gas	40 CFR 63.457(c)(3)(ii)

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		and Stream Improvements	Chromatography/Flame Ionization Detection	
NCASI A105	2001	National Council of the Paper Industry for Air and Stream Improvements	Impinger Source Sampling Method for Selected Aldehydes, Ketones, and Polar Compounds	40 CFR 63, Subpart DDDD
NCASI 99-02	2002	National Council of the Paper Industry for Air and Stream Improvements	Impinger/Canister Source Sampling Method For Selected HAPs and Other Compounds at Wood Products Facilities	40 CFR 63, Subpart DDDD
NCCA	2011	National Cotton Council of America	Specifications for Cotton Bale Packaging Material	7 CFR 1427.5(b)(10)
UCC	2002	National Conference of Commissioners on Uniform State Laws	2002 Official Text and Comments, Sections 8-102 and 8-103	17 CFR 270.17f-4(c)(1)
UCC	2002	National Conference of Commissioners on Uniform State Laws	2002 Official Text and Comments, Sections 8-501 through 8-511	17 CFR 270.17f-4(c)(1)
NCUTLO	1969	National Committee on Uniform Traffic Laws and Ordinances	Uniform Vehicle Code and Model Ordinance	41 CFR 50-204.75
NFPA 10 (pdf) NFPA 10 (html) NFPA 10 (svg)	2002	National Fire Protection Association	Standard for Portable Fire Extinguishers	29 CFR 1915
NFPA 11 (pdf) NFPA 11 (html)	2005	National Fire Protection Association	Standard for Foam	29 CFR 1915
NFPA 12 (pdf) NFPA 12 (html)	2005	National Fire Protection Association	Standard for Carbon Dioxide Extinguishing Systems	29 CFR 1915
NFPA 13	2002	National Fire Protection Association	Standard for the Installation of Sprinkler Systems	36 CFR 1234.12(i)
NFPA 25 (pdf) NFPA 25 (html)	2002	National Fire Protection Association	Standard for Water-Based Fire Protection Systems	29 CFR 1915
NFPA 30 (pdf) NFPA 30 (html)	2003	National Fire Protection Association	Flammable and Combustible Liquids Code	49 CFR 192
NFPA 54 (pdf) NFPA 54 (html) NFPA 54 (svg)	2002	National Fire Protection Association	National Fuel and Gas Code	24 CFR 3280
NFPA 58 (pdf) NFPA 58 (html)	2001	National Fire Protection Association	Standard for Liquefied Petroleum Gases	49 CFR 173
NFPA 58	2004	National Fire Protection	Standard for the	49 CFR 192.11(b)

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		Association	Storage and Handling of Liquefied Petroleum Gases	
NFPA 59	2004	National Fire Protection Association	Standard for the Storage and Handling of Liquefied Petroleum Gases at Utility Gas Plants	49 CFR 192.11(b)
NFPA 72 (pdf) NFPA 72 (html) NFPA 72 (svg)	2002	National Fire Protection Association	National Fire Alarm Code	29 CFR 1915
NFPA 99	2005	National Fire Protection Association	Standard for Health Care Facilities	38 CFR 51.200(b)(4)
NFPA 101 (pdf) NFPA 101 (html)	2000	National Fire Protection Association	Life Safety Code	59 CFR 130
NFPA 704	2007	National Fire Protection Association	Standard System for the Identification of the Hazards of Materials for Emergency Response	6 CFR 27.204(a)(2)
NFPA DUST	1957	National Fire Protection Association	Report of Important Dust Explosions	
NFPA HOST	1953	National Fire Protection Association	Handling Hose and Ladders	
NFPA 70	2005	National Fire Protection Association	National Electrical Code	49 CFR 192.189(c)
NACHA	2005	National Automated Clearing House Association	A Complete Guide to the Rules Governing the ACH Network	45 CFR 162.920
ISS-MCB	2011	International Space Station Multilateral Coordination Board	International Docking Standard	1 Code of Intergalactic Regulations 32
NCRP 33	1968	National Council on Radiation Protection and Measurement	Medical X-ray and Gamma-Ray Protection for Energies Up to 10 MeV—Equipment Design and Use	42 CFR 37.43
NCRP 48	1976	National Council on Radiation Protection and Measurement	Medical Radiation Protection for Medical and Allied Health Personnel	42 CFR 37.43
NCRP 49	1976	National Council on Radiation Protection and Measurement	Structural Shielding Design and Evaluation for Medical Use of X-Rays and Gamma-Rays up to 10 MeV	42 CFR 37.43
NEMA MG-1	2009	National Electrical Manufacturers Association	Motors and Generators	10 CFR 431

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NSF 61 (pdf) NSF 61 (html)	2001	National Sanitation Foundation	Drinking Water System Components—Health Effects	24 CFR 3280
OECD 404	2002	Organization for Economic Cooperation and Development	Guideline for Testing of Chemicals, Acute Dermal Irritation/Corrosion	49 CFR 173.137
OECD C93	1974	Organization for Economic Cooperation and Development	Green List of Wastes	40 CFR 262.89(e)
OR REG	1975	State of Oregon	Oregon Grade Standards Hazelnuts in Shell	7 CFR 982.45(a)
ORION	1970	ORION Research Incorporated	Residual Chlorine Electrode Model 97-70	40 CFR 136.3(a) Table IB
PCI MNL-121	1977	Precast/Prestressed Concrete Institute	Manual for Structural Design of Architectural Precast Concrete	24 CFR 200, Subpart S
PCI MNL-117-77	1977	Precast/Prestressed Concrete Institute	Manual for Quality Control for Plants and Production of Architectural Precast Concrete Products	24 CFR 200, Subpart S
PCSA 1	1968	Power Crane and Shovel Association	Mobile Crane and Excavator Standards	29 CFR 1926.602(b)(3)
PCSA 2	1968	Power Crane and Shovel Association	Mobile Hydraulic Crane Standards	29 CFR 1926.602(b)(3)
PCSA 3	1969	Power Crane and Shovel Association	Mobile Hydraulic Excavator Standards	29 CFR 1926.602(b)(3)
PPI TR-3	2004	Plastics Pipe Institute	Policies and Procedures for Developing Hydrostatic Design Bases (HDB), Pressure Design Bases (PDB), and Minimum Required Thermoplastic Piping Materials	49 CFR 192.121
RTCM C071	1995	Radio Technical Commission for Maritime Services	Recommended Standards for Marine Radar Equipment Installed on Ships of Less Than 300 Tons Gross Tonnage	33 CFR 164.72(a)(1)(i) (B)
RTCM C191	1993	Radio Technical Commission for Maritime Services	Recommended Standards for Marine Radar Equipment Installed on Ships of 300 Tons Gross Tonnage and Upwards	33 CFR 164.72(a)(1)(iii) (B)

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SAE Paper 770141	1977	Society of Automotive Engineers	Optimization of a Flame Ionization Detector for Determination of Hydrocarbon in Diluted Automotive Exhausts	40 CFR 1065.360(c)
SAE J4C	1965	Society of Automotive Engineers	Motor Vehicle Seat Belt Assembly	29 CFR 1928.51(b)(2)(ii)
SAE J30	1998	Society of Automotive Engineers	Fuel and Oil Hoses	40 CFR 1051.501(c)(2)
SAE J166	1971	Society for Automotive Engineering	Minimum Performance Criteria for Brake Systems for Off-Highway Trucks and Wagons	29 CFR 1926.602(a)(4)
SAE J166	1971	Society of Automotive Engineers	Minimum Performance Criteria for Brake Systems for Off-Highway Trucks and Wagons	29 CFR 1926.602(a)(4)
SAE J167	1970	Society for Automotive Engineering	Protective Frame with Overhead Protection	29 CFR 1926.1003(g)
SAE J167	1974	Society of Automotive Engineers	Protective Frame with Overhead Protection	30 CFR 77.403-1(d)(1)(v)
SAE J168	1970	Society for Automotive Engineering	Protective Enclosures—Test Procedures and Performance Requirements	29 CFR 1926.1002(a)(5)(i)
SAE J185	1988	Society of Automotive Engineers	Recommended Practice for Access Systems for Off-Road Machines	29 CFR 1910.266(f)(5)(i)
SAE J186A	1977	Society of Automotive Engineers	Supplemental High Mounted Stop and Rear Turn Signal Lamps	49 CFR 571.108
SAE J211-1 (pdf) SAE J211-1 (html)	1995	Society of Automotive Engineers	Instrumentation for Impact Test	49 CFR 571
SAE J211	1971	Society of Automotive Engineers	Instrumentation for Impact Tests	49 CFR 571.222 S6.6.2
SAE J222	1970	Society of Automotive Engineers	Parking Lamps (Position Lamps)	49 CFR 571.108 S5.1.1.6
SAE J231	1971	Society for Automotive Engineering	Minimum Performance Criteria for Falling Object Protective Structures (FOPS)	30 CFR 77.403(a)
SAE J231	1971	Society of Automotive Engineers	Minimum Performance Criteria for Falling Object Protective	30 CFR 77.403(a)

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SAE J231	1981	Society of Automotive Engineers	Structures (FOPS) Minimum Performance Criteria for Falling Object Protective Structures (FOPS)	29 CFR 1910.266(f)(3)(iii)
SAE J236	1971	Society for Automotive Engineering	Minimum Performance Criteria for Brake Systems for Rubber Tire Self-Propelled Graders	29 CFR 1926.602(a)(4)
SAE J237	1971	Society for Automotive Engineering	Minimum Performance Criteria for Brake Systems for Off-Highway Rubber-Tired Front End Loaders and Dozers	29 CFR 1926.602(a)(4)
SAE J244	1983	Society for Automotive Engineering	Recommend Practice for Measurement of Intake Air or Exhaust Gas Flow of Diesel Engines	40 CFR 92.108(a)(3)
SAE J319	1971	Society of Automotive Engineers	Minimum Performance Criteria for Brake Systems for Off-Highway Rubber-Tired Self-Propelled Scrapers	29 CFR 1926.602(a)(4)
SAE J320	1972	Society for Automotive Engineering	Minimum Performance Criteria for Roll-Over Protective Structures for Rubber-Tired Self-Propelled Scrapers	29 CFR 1926.1001(h)
SAE J320A	1969	Society of Automotive Engineers	Minimum Performance Criteria for Roll-Over Protective Structures for Rubber-Tired Self-Propelled Scrapers	30 CFR 77.403-1(d)(1)(i)
SAE J321	1970	Society of Automotive Engineers	Fenders for Pneumatic-Tired Earthmoving Haulage Equipment	29 CFR 1926.602(a)(5)
SAE J333	1970	Society for Automotive Engineering	Operation Protection for Wheel-Type Agricultural and Industry Tractors	29 CFR 1926.602(a)(2)
SAE J334	1968	Society of Automotive Engineers	Protective Frame Test Procedures and Performance Requirements	30 CFR 77.403-1(d)(1)(vi)
SAE J334	1970	Society for Automotive Engineering	Protective Frame Test Procedures and Performance	30 CFR 77.403-1(d)(1)(vi)

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			Requirements	
SAE J386	1969	Society of Automotive Engineers	Operator Restraint Systems for Off-Road Work Machines	29 CFR 1926.602(a)(2)
SAE J386	1985	Society for Automotive Engineering	Operator Restraint Systems for Off-Road Work Machines	30 CFR 56.14130(h)
SAE J386	1993	Society of Automotive Engineers	Operator Restraint Systems for Off-Road Work Machines	30 CFR 56.14130(h)
SAE J386	1997	Society of Automotive Engineers	Operator Restraint Systems for Off-Road Work Machines	30 CFR 57.14131(c)
SAE J387 (pdf) SAE J387 (html)	1987	Society of Automotive Engineers	Terminology: Motor Vehicle Lighting	49 CFR 571
SAE J394	1969	Society of Automotive Engineers	Minimum Performance Criteria for Roll-Over Protective Structures for Rubber-Tired Front End Loaders and Rubber-Tired Dozers	30 CFR 77.403-1(d)(1)(ii)
SAE J394	1972	Society of Automotive Engineers	Minimum Performance Criteria for Rollover Protective Structures for Wheeled Front-End Loaders and Wheeled Dozers	30 CFR 77.403-1(d)(1)(ii)
SAE J395	1969	Society of Automotive Engineers	Minimum Performance Criteria for Roll-Over Protective Structures for Crawler Tractors and Crawler-Type Loaders	30 CFR 77.403-1(d)(1)(iii)
SAE J396	1972	Society for Automotive Engineering	Minimum Performance Criteria for Roll-Over Protective Structures for Motor Graders	30 CFR 77.403-1(d)(1)(iv)
SAE J397	1969	Society of Automotive Engineers	Deflection Limiting Volume-Protective Structures Laboratory Evaluation	29 CFR 1926.1001(f)(1)(ii)
SAE J397	1988	Society of Automotive Engineers	Deflection Limiting Volume-Protective Structures Laboratory Evaluation	29 CFR 1910.266(f)(3)(iv)
SAE J429	1971	Society for Automotive Engineering	Mechanical and Quality Requirements for Externally Threaded Fasteners	30 CFR 77.403-1(d)(2)(iii)(B)
SAE J429	1983	Society of Automotive	Mechanical and	46 CFR 58.30-15(c)

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		Engineers	Quality Requirements for Externally Threaded Fasteners	
SAE J429D	1967	Society of Automotive Engineers	Mechanical and Quality Requirements for Externally Threaded Fasteners	30 CFR 77.403-1(d)(2)(iii)(B)
SAE J449a	1963	Society of Automotive Engineers	Surface Texture Control	49 CFR 581.6(b)(1)
SAE J476a	1961	Society of Automotive Engineers	Dryseal Pipe Threads	49 CFR 393.67(c)(3)
SAE J527	1967	Society of Automotive Engineers	Brazed Double Wall Low Carbon Steel Tubing	49 CFR 571.116 S6.13.3(b)
SAE J533	1972	Society of Automotive Engineers	Flares for Tubing	24 CFR 3280.703
SAE J557	1968	Society of Automotive Engineers	High Tension Ignition Cable	33 CFR 183.440(a)
SAE J565	1969	Society of Automotive Engineers	Semi-Automatic Headlamp Beam Switching Devices	49 CFR 571.108 S5.5.1
SAE J566	1960	Society of Automotive Engineers	Headlamp Mountings	49 CFR 571.108
SAE J571	1976	Society of Automotive Engineers	Dimensional Specification for Sealed Beam Headlamp Units	49 CFR 571.108
SAE J573d (pdf) SAE J573d (html)	1968	Society of Automotive Engineers	Requirements for Lamp Bulbs and Sealed Units	49 CFR 571
SAE J575	1970	Society of Automotive Engineers	Test for Motor Vehicle Lighting Devices and Components	49 CFR 571.108 S6.1
SAE J575	1983	Society for Automotive Engineering	Test for Motor Vehicle Lighting Devices and Components	49 CFR 571.131 S6.2.3
SAE J575	1988	Society of Automotive Engineers	Test for Motor Vehicle Lighting Devices and Components	49 CFR 571.108 S7.5.8.3(e)
SAE J576	1970	Society of Automotive Engineers	Plastic Materials for Use in Optical Parts, such as Lenses and Reflectors, of Motor Vehicle Lighting Devices	49 CFR 571.108 S6.2
SAE J576 (pdf) SAE J576 (html)	1991	Society of Automotive Engineers	Plastic Materials for Use in Optical Parts	49 CFR 571
SAE J576B	1966	Society of Automotive Engineers	Plastic Materials for Use in Optical Parts,	49 CFR 571.108 S6.2

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			such as Lenses and Reflectors, of Motor Vehicle Lighting Devices	
SAE J578 (pdf) SAE J578 (html)	1995	Society of Automotive Engineers	Color Specifications for Electric Signal Lighting Devices	49 CFR 571.403
SAE J584	1964	Society of Automotive Engineers	Motorcycle and Motor Driven Cycle Headlamps	49 CFR 571.108 S7.9.1(a)
SAE J584 (pdf) SAE J584 (html)	1993	Society of Automotive Engineers	Requirements for Motorcycle Headlamps	49 CFR 571
SAE J585	1970	Society for Automotive Engineering	Tail Lamps (Rear Position Lamps) for Use on Motor Vehicles Less Than 2032 mm in Overall Width	49 CFR 571.108 S5.8.8
SAE J585	1977	Society for Automotive Engineering	Tail Lamps (Rear Position Lamps) for Use on Motor Vehicles Less Than 2032 mm in Overall Width	49 CFR 571.108 S5.1.1.6
SAE J585	2000	Society of Automotive Engineers	Tail Lamps (Rear Position Light)	49 CFR 571.108 S6.1
SAE J586	1970	Society of Automotive Engineers	Stop Lamps for Use on Motor Vehicles Less than 2032 mm in Overall Width	49 CFR 571.108 S5.8.3(b)
SAE J586	1984	Society for Automotive Engineering	Stop Lamps for Use on Motor Vehicles Less Than 2032 mm in Overall Width	49 CFR 571.108 S6.1
SAE J586	2000	Society of Automotive Engineers	Stop Lamps for Use on Motor Vehicles Less than 2032 mm in Overall Width	49 CFR 571.108 S6.1
SAE J586B	1966	Society of Automotive Engineers	Stop Lamps for Use on Motor Vehicles Less than 2032 mm in Overall Width	49 CFR 571.108 S5.8.3(a)
SAE J587 (pdf) SAE J587 (html)	1981	Society of Automotive Engineers	License Plate Lamps (Rear Registration Lamps)	49 CFR 571
SAE J588	1970	Society for Automotive Engineering	Turn Signal Lamps for Use on Motor Vehicles Less Than 2032 mm in Overall Width	49 CFR 571.108 S5.1.1.1
SAE J588	1970	Society of Automotive Engineers	Turn Signal Lamps for Use on Motor Vehicles	49 CFR 571.108 S5.8.4(b)

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			Less Than 2032 mm in Overall Width	
SAE J588 (pdf) SAE J588 (html)	1984	Society of Automotive Engineers	Requirements for Turn Signal Lamps	49 CFR 571
SAE J588	2000	Society of Automotive Engineers	Turn Signal Lamps for Use on Motor Vehicles Less Than 2032 mm in Overall Width	49 CFR 393.25(c)
SAE J588D	1966	Society of Automotive Engineers	Turn Signal Lamps for Use on Motor Vehicles Less Than 2032 mm in Overall Width	49 CFR 571.108 S5.8.4(a)
SAE J592	1972	Society of Automotive Engineers	Clearance, Side Marker and Identification Lamps	49 CFR 571.108 Table III
SAE J592 (pdf) SAE J592 (html)	1992	Society of Automotive Engineers	Clearance, Side Marker, and Identification Lamps	49 CFR 571
SAE J593C	1968	Society of Automotive Engineers	Back-up Lamps	49 CFR 571.108
SAE J594f (pdf) SAE J594f (html)	1977	Society of Automotive Engineers	Requirements for Reflex Reflectors	49 CFR 571
SAE J599	1997	Society of Automotive Engineers	Lighting Inspection Code	49 CFR 581.5(c)(1)
SAE J602 (pdf) SAE J602 (html)	1980	Society of Automotive Engineers	Mechanically Aimable Sealed Beam Headlamps	49 CFR 571
SAE J743A	1964	Society of Automotive Engineers	Tractor Mounted Side Boom	29 CFR 1926.550(a)(18)
SAE J759 (pdf) SAE J759 (html)	1995	Society of Automotive Engineers	Lighting Identification Code	49 CFR 571
SAE J800C	1973	Society of Automotive Engineers	Recommended Practice, Motor Vehicle Seat Belt Installations	49 CFR 571.209
SAE J826	1962	Society of Automotive Engineers	Devices for Use in Defining and Measuring Vehicle Seating Accommodations	49 CFR 571.3(b)
SAE J826	1980	Society for Automotive Engineering	Devices for Use in Defining and Measuring Vehicle Seating Accommodations	49 CFR 571.214 S12.1.3(b)(1)
SAE J826 (pdf) SAE J826 (html)	1995	Society of Automotive Engineers	Defining and Measuring Vehicle Seating Accommodation	49 CFR 571
SAE J839	1991	Society of Automotive Engineers	Passenger Car Side Door Latch System	49 CFR 571.206

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SAE J839B	1965	Society of Automotive Engineers	Passenger Car Side Door Latch System	49 CFR 571.201
SAE J845	1997	Society of Automotive Engineers	Optical Warning Devices for Authorized Emergency, Maintenance and Service Vehicles	49 CFR 393.25(e)
SAE J887	1964	Society of Automotive Engineers	School Bus Red Signal Lamps	49 CFR 571.108
SAE J902A	1967	Society of Automotive Engineers	Passenger Car Windshield Defrosting Systems	49 CFR 571.103
SAE J934	1965	Society of Automotive Engineers	Recommended Practice for Vehicle Passenger Door Hinge Systems	49 CFR 571.206
SAE J942	1965	Society of Automotive Engineers	Passenger Car Windshield Washer System	49 CFR 571.104
SAE J944	1980	Society for Automotive Engineering	Steering Control System-Passenger Car-Laboratory Test Procedure	49 CFR 571.203 S5.1(a)
SAE J945	1966	Society of Automotive Engineers	Vehicular Hazard Warning Signal Flashers	49 CFR 571.108 Table I
SAE J959	1966	Society of Automotive Engineers	Lifting Crane Wire-Rope Strength Factors	29 CFR 1926.550(a)(7)(vi)
SAE J964	1984	Society for Automotive Engineering	Test Procedure for Determining Reflectivity of Rear View Mirrors	49 CFR 571.111
SAE J972	1966	Society of Automotive Engineers	Moving Barrier Collision Test	49 CFR 571.105
SAE J995	1967	Society of Automotive Engineers	Mechanical and Quality Requirements for Steel Nuts	30 CFR 77.403-1(d)(2)(iii)(B)
SAE J995	1971	Society of Automotive Engineers	Mechanical and Quality Requirements for Steel Nuts	30 CFR 77.403-1(d)(2)(iii)(B)
SAE J1040	1994	Society of Automotive Engineers	Performance Criteria for Rollover Protective Structures (ROPS) for Construction, Earthmoving, Forestry and Mining Machines	30 CFR 56.14130(b)(1)
SAE J1063	1993	Society of Automotive Engineers	Cantilevered Boom Crane Structures--Method of Test	29 CFR 1926.1433(c)
SAE J1100	1984	Society for Automotive	Motor Vehicle	49 CFR 571.3(b)

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SAE J1100 (pdf) SAE J1100 (html)	2001	Engineering Society of Automotive Engineers	Dimensions Motor Vehicle Dimensions	49 CFR 571
SAE J1127	1980	Society for Automotive Engineering	Battery Cable	33 CFR 183.430(a)(2)(ii)
SAE J1128	1975	Society of Automotive Engineers	Low Tension Primary Cable	33 CFR 183.430(a)(2)(ii)
SAE J1133	1984	Society for Automotive Engineering	School Bus Stop Arm	49 CFR 571.131 S6.2.3
SAE J1151	1991	Society of Automotive Engineers	Methane Measurement Using Gas Chromatography	40 CFR 86.111-94(b)(3)(vi)
SAE J1194	1983	Society for Automotive Engineering	Roll-Over Protective Structures for Wheeled Agricultural Tractors	30 CFR 56.14130(h)
SAE J1194	1994	Society of Automotive Engineers	Roll-Over Protective Structures for Wheeled Agricultural Tractors	30 CFR 56.14130(h)
SAE J1194	1999	Society of Automotive Engineers	Roll-Over Protective Structures for Wheeled Agricultural Tractors	30 CFR 57.14130(h)
SAE J1228	1991	Society of Automotive Engineers	Small Craft-Marine Propulsion Engine and Systems-Power Measurements and Declarations	40 CFR 91.115(a)
SAE J1292	1981	Society of Automotive Engineers	Automobile, Truck, Truck-Tractor, Trailer, and Motor Coach Wiring	49 CFR 393.28
SAE J1318	1986	Society of Automotive Engineers	Gaseous Discharge Warning Lamp for Authorized Emergency, Maintenance, and Service Vehicles	49 CFR 393.25(e)
SAE J1383 (pdf) SAE J1383 (html)	1985	Society of Automotive Engineers	Performance Requirements for Motor Vehicle Headlamps	49 CFR 571
SAE J1395 (pdf) SAE J1395 (html)	1985	Society of Automotive Engineers	Turn Signal Lamps for Use on Motor Vehicles	49 CFR 571
SAE J1398 (pdf) SAE J1398 (html)	1985	Society of Automotive Engineers	Stop Lamps for Use on Motor Vehicles	49 CFR 571
SAE J1475	1984	Society for Automotive Engineering	Hydraulic Hose Fittings for Marine Applications	46 CFR 27.211(e)(2)(v)(B)
SAE J1527	1993	Society of Automotive Engineers	Marine Fuel Hoses	33 CFR 183.540(a)
SAE J1703	1983	Society for Automotive	Motor Vehicle Brake	49 CFR 571.116

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		Engineering	Fluid	S6.5.4.1
SAE J1703 (pdf) SAE J1703 (html)	1995	Society of Automotive Engineers	Motor Vehicle Brake Fluids	49 CFR 571
SAE J1733 (pdf) SAE J1733 (html)	1994	Society of Automotive Engineers	Sign Convention for Vehicle Crash Testing	49 CFR 572
SAE J1817	2001	Society of Automotive Engineers	Long Stroke Air Brake Actuator Marking	49 CFR 393.47(e)
SAE J1850	1995	Society of Automotive Engineers	Class B Data Communication Network Interface	40 CFR 86.099-17(h)(1)(i)
SAE J1850	2001	Society of Automotive Engineers	Class B Data Communication Network Interface	40 CFR 86.1806-05(h)(1)(i)
SAE J1877	1994	Society of Automotive Engineers	Recommended Practice for Bar-Coded Vehicle Identification Number Label	40 CFR 86.095-35(h)(2)(i)
SAE J1892	1993	Society of Automotive Engineers	Recommended Practice for Bar-Coded Vehicle Emission Configuration Label	40 CFR 86.095-35(h)(2)(i)
SAE J1930	1993	Society of Automotive Engineers	Electrical/Electronic Systems Diagnostic Terms, Definitions, Abbreviations, and Acronyms	40 CFR 1039.135(c)(8)
SAE J1930	2002	Society of Automotive Engineers	Electrical/Electronic Systems Diagnostic Terms, Definitions, Abbreviations, and Acronyms	40 CFR 86.1806-05(h)(1)(v)
SAE J1937	1989	Society of Automotive Engineers	Recommended Practice for Engine Testing with Low Temperature Charge Air Cooler Systems in a Dynamometer Test Cell	40 CFR 86.1330-90(b)(5)
SAE J1962	1995	Society of Automotive Engineers	Diagnostic Connector Equivalent to ISO/DIS	40 CFR 86.094-17(h)(4)
SAE J1962	2002	Society of Automotive Engineers	Diagnostic Connector Equivalent to ISO/DIS 15031	40 CFR 86.1806-05(h)(1)(iv)
SAE J1978	2002	Society of Automotive Engineers	OBD II Scan Tool Equivalent to ISO/DIS 15031-4	40 CFR 86.1806-05(h)(1)(vi)
SAE J1979	2002	Society of Automotive Engineers	E/E Diagnostic Test Modes	40 CFR 86.1806-05(h)(1)(ii)
SAE J2009 (pdf)	1993	Society of Automotive	Discharge Forward	49 CFR 571

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SAE J2009 (html)		Engineers	Lighting Systems	
SAE J2012	2002	Society of Automotive Engineers	Diagnostic Trouble Code Definitions	40 CFR 86.1806-04(h)(1)(iii)
SAE J2040	2002	Society of Automotive Engineers	Tail Lamps (Rear Position Lamps) for Use on Vehicles 2032 mm or More in Overall Width	9 CFR 393.25(c)
SAE J2260	1996	Society of Automotive Engineers	Non-metallic Fuel System Tubing with One or More Layers	40 CFR 1048.105(a)(2)
SAE J2261	2002	Society of Automotive Engineers	Stop Lamps and Front- and Rear-Turn Signal Lamps for Use on Motor Vehicles 2032 mm or More in Overall Width	49 CFR 393.25(c)
SAE J2534	2002	Society of Automotive Engineers	Recommended Practice for Pass-Thru Vehicle Programming	40 CFR 86.096-38(g)(17)(iv)
SCTE 26	2010	Society of Cable Telecommunications Engineers	Home Digital Network Interface Specification with Copy Protection	47 CFR 76.640(b)(4)(iii)
SCTE 28	2007	Society of Cable Telecommunications Engineers	Host-POD Interface Standard	47 CFR 15.123(b)(4)
SCTE 40	2004	Society of Cable Telecommunications Engineers	Digital Cable Network Interface Standard (2004)	47 CFR 15.123(b)(2)
SCTE 40	2011	Society of Cable Telecommunications Engineers	Digital Cable Network Interface Standard (2011)	47 CFR 15.123(b)(2)
SCTE 41	2011	Society of Cable Telecommunications Engineers	POD Copy Protection System	47 CFR 76.640(b)(2)(ii)
SCTE 54	2009	Society of Cable Telecommunications Engineers	Digital Video Service Multiplex and Transport System Standard for Cable Television	47 CFR 15.123(b)(3)
SCTE 65	2008	Society of Cable Telecommunications Engineers	Service Information Delivered Out-of-Band for Digital Cable Television	47 CFR 76.640(b)(1)(ii)
SEAC	1996	Structural Engineers Association of California	Recommended Lateral Force Requirements and Commentary including Errata	42 CFR 52b.12(c)(5)
SJI	1994	Steel Joist Institute	Standard Specification Load Tables and	24 CFR 3280.304(b)(1)

			Weight Tables for Steel Joists and Joist Girders	
SMACCNA HVAC (pdf) SMACCNA HVAC (html) SMACCNA HVAC (svg)	1985	Sheet Metal and Air Conditioning Contractors National Association	SMACNA: HVAC Air Duct Leakage Test Manual	10 CFR 434.403.2.9.3
SMACCNA DUCT (pdf) SMACCNA DUCT (html) SMACCNA DUCT (svg)	1995	Sheet Metal and Air Conditioning Contractors National Association	SMACCNA: HVAC Duct Construction Standards – Metal and Flexible (RS-34)	10 CFR 434.403.2.9.3
SMACCNA GLASS (pdf)	1992	Sheet Metal and Air Conditioning Contractors National Association	SMACCNA: Fibrous Glass Duct Construction Standards (RS-36)	10 CFR 434.403.2.9.3
SMACCNA AIR (pdf)	1978	Sheet Metal and Air Conditioning Contractors National Association	SMACCNA: Energy Recovery Equipment and Systems, Air-to-Air	10 CFR 440 Appendix A
NIST Handbook H-28	1942	Department of Commerce	Handbook of Screw-Thread Standards for Federal Service	49 CFR 178.45(f)(5)(ii)
DOD AFTO 11A-1-47	1988	Department of Defense	Explosive Hazard Classification Procedures	49 CFR 173.56(b)(2)(i)
FedSpec RR-C-901D	2003	Department of Transportation	Cylinders, Compressed Gas: High Pressure, Steel DOT 3AA, and Aluminum Applications	49 CFR 173.302(b)(3)
RTCA 23-63	1963	Radio Technical Commission for Aeronautics	Standard Adjustment Criteria for Airborne Localizer and Glide Slope Receivers	14 CFR 91 App. A, 3(a)(1)
SNELL B-90	1998	Snell Memorial Foundation	Standard for Protective Headgear for Use in Bicycling	16 CFR 1203.53(a)(4)
SNELL B-95	1998	Snell Memorial Foundation	Standard for Protective Headgear for Use in Bicycling	16 CFR 1203.53(a)(7)
SRCC OG-300	2008	Solar Rating and Certification Corporation	Operating Guidelines and Minimum Standards for Certifying Solar Water Heating Systems	24 CFR 200.950(a)(1)
TPI	1985	Truss Plate Institute	Design Specifications for Metal Plate Connected Wood	24 CFR 3280.304(b)(1)

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			Trusses	
TTMA RP-61	1998	Truck Trailer Manufacturers Association	Performance of Manhole and/or Fill Opening Assemblies	49 CFR 180.405(g)(2)(i)
TTMA RP-81	1997	Truck Trailer Manufacturers Association	Performance of Spring Loaded Pressure Relief Valves	49 CFR 178.345-10(b)(3)(i)
TTMA RP-107	1998	Truck Trailer Manufacturers Association	Procedure for Testing In-Service Unmarked and/or Uncertified MC 306 and Non-ASME MC 312 Type Cargo Tank Manhole	49 CFR 180.405(g)(2)(i)
UL 17	1988	Underwriters Laboratories	Vent or Chimney Connector Dampers for Oil-Fired Appliances	10 CFR 440 Appendix A
UL 38	1993	Underwriters Laboratories	Standard for Manually Actuated Signaling Boxes for Use with Fire-Protective Signaling Systems	46 CFR 161.002-4(b)(1)
UL 44	2002	Underwriters Laboratories	Standard for Thermoset-Insulated Wire and Cable	46 CFR 110.10-1
UL 50	1995	Underwriters Laboratories	Standard for Enclosures for Electrical Equipment	46 CFR 111.81-1(d)
UL 62	1997	Underwriters Laboratories	Standard for Flexible Cord and Fixture Wire	46 CFR 110.10-1
UL 127	1996	Underwriters Laboratories	Factory-Built Fireplaces	24 CFR 3280
UL 142 (pdf) UL 142 (html)	1968	Underwriters Laboratories	Steel Above Ground Tanks for Flammable and Combustible Liquids	49 CFR 1910
UL 174	1989	Underwriters Laboratories	Household Electric Storage Tank Water Heaters	46 CFR 63.25-3(a)
UL 217	1993	Underwriters Laboratories	Single and Multiple Station Smoke Detectors	46 CFR 181.450(a)(1)
UL 486A	1990	Underwriters Laboratories	Wire Connections and Soldering Lugs for Use With Copper Conductors	46 CFR 175.600
UL 521	1993	Underwriters Laboratories	Heat Detectors for Fire Protective Signaling Systems	46 CFR 161.002-4(b)(1)
UL 727	1994	Underwriters	Oil-Fired Central	10 CFR 431.76(c)(1)

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		Laboratories	Furnaces	
UL 746C	1995	Underwriters Laboratories	Polymeric Material—Use in Electrical Equipment Evaluations	16 CFR 1211.10(e)(2)
UL 913	1988	Underwriters Laboratories	Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II, and III Division 1, Hazardous (Classified) Locations	46 CFR 111.105-11(a)
UL 991	1995	Underwriters Laboratories	Tests for Safety-Related Controls Employing Solid-State Devices	16 CFR 1211.4(c)
UL 1042	1995	Underwriters Laboratories	Electric Baseboard Heating Equipment	24 CFR 3280.703
UL 1072	1995	Underwriters Laboratories	Standard for Medium-Voltage Power Cables	46 CFR 111.60-1(e)
UL 1096	1986	Underwriters Laboratories	Electrical Central Air Heating Equipment	24 CFR 3280.703
UL 1104	1983	Underwriters Laboratories	Standard for Marine Navigation Lights	46 CFR 120.420
UL 1426	1986	Underwriters Laboratories	Cables for Boats	33 CFR 183.435(a)(4)
UL 1570	1995	Underwriters Laboratories	Fluorescent Lighting Fixtures	46 CFR 183.410(d)
UL 1571	1995	Underwriters Laboratories	Incandescent Lighting Fixtures	46 CFR 111.75-20(e)
UL 1572	1995	Underwriters Laboratories	High Intensity Discharge Lighting Fixtures	46 CFR 120.410(d)
UL 1574	1995	Underwriters Laboratories	Track Lighting Systems	46 CFR 111.75-20(e)
UL 1995	1995	Underwriters Laboratories	Heating and Cooling Equipment, Second Edition, with 1999 revisions	24 CFR 3280.4
UN ECE	1996	United Nations Economic Commission of Europe	Uniform Provisions Concerning the Approval of Vehicles with Regard to the Installation of Lighting and Light-Signaling Devices	49 CFR 571.108
UN ESC	2009	United Nations Economic and Social Council	Recommendations on the Transport of Dangerous Goods, Manual of Tests and Criteria	49 CFR 173.128(c)(3)

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UN ESC	2005	United Nations Economic and Social Council	Recommendations on the Transport of Dangerous Goods	49 CFR 173.40(d)(2)
FAO 4	1995	UN Food and Agriculture Organization	Requirements for the Establishment of Pest-free Areas	7 CFR 319.56
IAEA Circular 225	1999	International Atomic Energy Agency	Physical Protection of Nuclear Material and Nuclear Facilities	10 CFR 110.44(b)(1)
IAEA TS-R-1	2009	International Atomic Energy Agency	Regulations for the Safe Transport of Radioactive Material	49 CFR 171.23
IMO Resolution A.264	1960	International Maritime Organization	Amendment to Chapter VI of the International Convention for the Safety of Life at Sea	46 CFR 172.015(a)(2)
IMO Resolution A.265	1973	International Maritime Organization	Carriage of Grain	46 CFR 170.135(a)
IMO Resolution A.342	1975	International Maritime Organization	Recommendations on Performance Standards for Automatic Pilots	33 CFR 164.13(d)(1)
IMO Resolution A.414	1979	International Maritime Organization	Code for Construction and Equipment of Mobile Offshore Drilling Units	33 CFR 143.207(c)
IMO Resolution A.520	1983	International Maritime Organization	Code of Practice for the Evaluation, Testing and Acceptance of Prototype Novel Life-Saving Appliances and Arrangements	46 CFR 108.105(c)(1)
IMO Resolution A.525	1983	International Maritime Organization	Performance Standards for Narrow-band Direct Printing Telegraph Equipment for the Reception of Navigational and Meteorological Warnings	47 CFR 80.1101(c)(1)(i)
IMO Resolution A.601	1987	International Maritime Organization	Provision and Display of Manoeuvring Information on Board Ships	33 CFR 157.450
IMO Resolution A.649	1991	International Maritime Organization	Code for the Construction and Equipment of Mobile Offshore Drilling Units (MODU Code)	46 CFR 108.503
IMO Resolution	1989	International Maritime	Graphical Symbols for	46 CFR 109.563(a)(6)

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A.654		Organization	Fire Control Plans	
IMO Resolution A.657	1989	International Maritime Organization	Instructions for Action in Survival Craft	46 CFR 160.151-21(v)(3)
IMO Resolution A.658	1989	International Maritime Organization	Use and Fitting of Retro-Reflective Materials on Life-Saving Appliances	46 CFR 108.645(a)(4)
IMO Resolution A.662	1989	International Maritime Organization	Performance Standards for Float-Free Release and Activation Arrangements for Emergency Radio Equipment	47 CFR 80.1101(c)(11)(ii)
IMO Resolution A.664	1989	International Maritime Organization	Performance Standards for Enhanced Group Call Equipment	47 CFR 80.1101(c)(10)
IMO Resolution A.688	1991	International Maritime Organization	Fire Test Procedures for Ignitability of Bedding Components	46 CFR 116.405(j)(2)
IMO Resolution A.689	1996	International Maritime Organization	Recommendation on Testing Life-Saving Appliances	46 CFR 160.151-21(f)
IMO Resolution A.694	1991	International Maritime Organization	General Requirements for Shipborne Radio Equipment Forming Part of the Global Maritime Distress and Safety System and for Electronic Navigational Aids	47 CFR 80.1101(b)(1)
IMO Resolution A.700	1991	International Maritime Organization	Performance Standards for Narrow-band Direct-printing Telegraph Equipment for the Reception of Navigational and Meteorological Warnings and Urgent Information to Ships	47 CFR 80.1101(c)(4)(iv)
IMO Resolution A.739	1993	International Maritime Organization	Guidelines for the Authorization of Organizations Acting on Behalf of the Administration	33 CFR 96.440(a)(12)
IMO Resolution A.741	1993	International Maritime Organization	International Management Code for the Safe Operation of Ships and for Pollution Prevention	33 CFR 96.220(b)

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IMO Resolution A.744	1993	International Maritime Organization	Guidelines on the Enhanced Program of Inspections During Surveys of Bulk Carriers and Oil Tankers	33 CFR 157.430(a)
IMO Resolution A.751	1994	International Maritime Organization	Interim Standards for Ship Manoeuvrability	33 CFR 157.445(a)
IMO Resolution A.753	1993	International Maritime Organization	Guidelines for the Application of Plastic Pipe on Ships	46 CFR 56.60-25(a)
IMO Resolution A.760	1993	International Maritime Organization	Symbols Related to Life-Saving Appliances and Arrangements	46 CFR 108.646(a)
IMO Resolution A.788	1995	International Maritime Organization	Guidelines on Implementation of the International Safety Management (ISM) Code by Administrations	33 CFR 96.320(c)(2)
IMO Resolution A.802	1995	International Maritime Organization	Performance Standards for Survival Craft Radar Transponders for Use in Search and Rescue Operations	47 CFR 80.1101(c)(6)(i)
IMO Resolution A.803	1995	International Maritime Organization	Performance Standards for Shipborne VHF Radio Installations Capable of Voice Communication and Digital Selective Calling	47 CFR 80.1101(c)(2)(i)
IMO Resolution A.804	1995	International Maritime Organization	Performance Standards for Shipborne MF Radio Installations Capable of Voice Communication and Digital Selective Calling	47 CFR 80.1101(c)(3)(i)
IMO Resolution A.806	1995	International Maritime Organization	Performance Standards for Shipborne MF/HF Radio Installations Capable of Voice Communication, Narrow-Band Direct Printing and Digital Selective Calling	47 CFR 80.1101(c)(4)(i)
IMO Resolution A.807	1995	International Maritime Organization	Performance Standards for INMARSAT Standard-C	47 CFR 80.1101(c)(9)

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			Ship Earth Stations Capable of Transmitting and Receiving Direct-Printing Communications	
IMO Resolution A.808	1995	International Maritime Organization	Performance Standards for Ship Earth Stations Capable of Two-Way Communications	47 CFR 80.1101(c)(8)
IMO Resolution A.809	1995	International Maritime Organization	Performance Standards for Survival Craft Two-Way VHF Radiotelephone Apparatus	47 CFR 80.1101(c)(7)(i)
IMO Resolution A.810	1995	International Maritime Organization	Performance Standards for Float-free Satellite Emergency Position-Indicating Radio Beacons (EPIRBs) Operating on 406 MHz	47 CFR 80.1101(c)(5)(i)
IMO Resolution A.812	1995	International Maritime Organization	Performance Standards for Float-Free Satellite EPIRBs Operating Through the Geostationary INMARSAT Satellite System on 1.6 GHz	47 CFR 80.1101(c)(11)(i)
USEC 651	1995	United States Enrichment Corporation	Good Handling Practices for Uranium Hexafluoride	49 CFR 173.417(a)(3)(i)
USPHS 934	1962	U.S. Public Health Service	Food Service Sanitation Ordinance and Code	29 CFR 1910.142(i)(1)
USPHS 956	1962	U.S. Public Health Service	Drinking Water Standards	46 CFR 160.026-4(a)
USPHS 934	1962	U.S. Public Health Service	Food Service Sanitation Ordinance and Code	29 CFR 1910.142(i)(1)
USPHS 9	2003	U.S. Public Health Service	The Ships Medicine Chest and Medical Aid at Sea	33 CFR 143.405(a)(15)
WCLIB R17	2004	West Coast Lumber Inspection Bureau	Grading Rules for West Coast Lumber	7 CFR 1728.201(f)(1)(i)
WHO	1973	World Health Organization	Laboratory Techniques in Rabies	9 CFR 113.209(d)(3)
WIPO ST.25	2001	World Intellectual Property Organization	Handbook on Industrial Property Information	37 CFR 1.821(a)(1)

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WQA S-100	1985	Water Quality Association	and Documentation Water Softeners	24 CFR 200, Subpart S
WQA S-200	1988	Water Quality Association	Water Filters	24 CFR 200, Subpart S
WQA S-300	1984	Water Quality Association	Point-of-Use, Low Pressure Reverse Osmosis Drinking Water Systems	24 CFR 200, Subpart S
WQA S-400	1986	Water Quality Association	Point-of-Use Distillation Drinking Water Systems	24 CFR 200, Subpart S
WSTDA T-1	2005	Web Sling and Tiedown Association	Recommended Standard Specification for Synthetic Web Tiedowns	49 CFR 393.104(e)(3)

Last Updated: December 31, 2012

↑
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EXHIBIT 19

Date 2/27/15
Witness: MALAMUD

From: Kickstarter
Sent: Tue 10/01/2013 12:23 PM (GMT -7)
To: carl@media.org
Cc:
Bcc:
Subject: Project Update #1: Public Safety Codes of the World: Stand Up For Safety! by Carl Malamud, Public.Resource.Org

Project Update #1: 106 New ASTM Standards Converted

Posted by Carl Malamud, Public.Resource.Org



The work we're doing to rekey standards is part of a long-standing process we've put in place, starting with the California building codes and moving on to over 1,000 standards so far that span the globe. Just today, I added HTML versions of 106 standards from ASTM to our directory of standards required by U.S. federal law. These standards are particularly important because many of these are out-of-date although still required by federal law and there are no readily available version of these documents on the net or in public libraries around the country.

You can really see the difference between the original HTML and the rekeyed HTML:

- A47 is the 1968 standard for Standard Specification for Malleable Iron Castings. It is required by law in the OSHA standards for storage and handling of anhydrous ammonia. Here's the [PDF version](#). Compare that to the [HTML version](#).
- The U.S. Coast Guard requires by law the use of ASTM A333: Standard Specification for Seamless and Welded Steel Pipe for Low-Temperature Service. Here's the [PDF version](#). Compare that to the [HTML version](#).

One of the hopes as we move beyond the rekey stage is that we can do more than simply recover text, but can start adding true value. For example, rekeying the mathematical formulas into MATHML, adding section ID headers so you can permalink not only the standard but a subsection of the standard, and converting the graphics to vector format.

We'll have another 100 or so ASTM standards done in a couple of weeks, plus there is a queue of several hundreds standards from India that have been converted into HTML and are undergoing QA.

We do get some pushback from time to time from organizations that think legally-mandated standards shouldn't be made available, but we fight hard for our right to read, know, and speak the law. Read what our lead firm, the Electronic Frontier Foundation,

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has to say in their post yesterday entitled "The Law Belongs To Everyone, We Tell Standards Organizations." Some of the best intellectual property lawyers in the United States are standing firmly with us on this fundamental right to know the laws by which we govern ourselves. I hope you'll stand with us. Thank you for your support.

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EXHIBIT 20

58
EXHIBIT
Ashley ... 2019
Date 2/27/15
Witness: MALAMUD

From: Kickstarter
Sent: Fri 10/25/2013 12:16 PM (GMT -7)
To: carl@media.org
Cc:
Bcc:
Subject: Project Update #8: Public Safety Codes of the World: Stand Up For Safety! by Carl Malamud, Public.Resource.Org

Project Update #8: A Prayer for Our Democracy

Posted by Carl Malamud, Public.Resource.Org ♥ Like

ASCII to ASCII, disk to disk, data thou art and data thou shalt return.

Today, I published 130 more ASTM standards that have been rekeyed into HTML. We have posted a total of 328 ASTM files as scans from PDF and 256 are now available as open HTML. They are available for open access without restriction from our servers. These are a few of these laws with which we have chosen to govern ourselves:

- ASTM D86 (2007): Standard Test Method for Distillation of Petroleum Products at Atmospheric Pressure, as required by the EPA in 40 CFR 1065.710.
- ASTM D129 (1964): Standard Test Method for Sulfur in Petroleum Products (General Bomb Method) as required by the EPA in 40 CFR 60.106(j)(2).
- ASTM D257 (1991): Standard Test Method for DC Resistance of Conductance of Insulating Materials as required by the Rural Utilities Service, Department of Agriculture at 7 CFR 1755.860(e)(5).
- ASTM D323 (1958): Standard Test Method for Vapor Pressure of Petroleum Products (Reid Method) as required by OSHA in 29 CFR 1910.106(a)(30).
- ASTM D412 (1968): Standard Test Methods for Vulcanized Rubber and Thermoplastic Elastomers-Tension as required by the Food and Drug Administration in 21 CFR 801.410(d).
- ASTM D413 (1982): Standard Test Method for Rubber Property-- Adhesion to Flexible Substrate as required by the Coast Guard in 46 CFR 160.055-3.
- ASTM D445 (1972): Standard Test Method for Kinematic Viscosity of Transparent and Opaque Liquids as required by the FDA in 21 CFR 177.1430(c)(2).
- ASTM D756 (1956): Standard Practice for Determination of Weight and Shape Changes of Plastics Under Accelerated Service

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- CFR 571.209 S5.2(b).
- ASTM D781 (1971): Standard Test Methods for Puncture and Stiffness of Paperboard and Corrugated and Solid Fiberboard as required by the Department of Housing and Urban Development in 24 CFR 3280.304(b)(1).
 - ASTM D1056 (1973): Standard Specification for Flexible Cellular Materials Sponge or Expanded Rubber as required by the National Highway Safety Administration in 49 CFR 571.213.
 - ASTM D2156 (1965): Method of Tests for Smoke Density in Flue Gases from Distillate Fuels as required by the Department of Energy in 10 CFR 430 Subpart B.
 - ASTM D4268 (1993): Standard Test Method for Testing Fiber Ropes as required by the Coast Guard in 33 CFR 164.74(a)(3)(i).

The rule of law is the secular underpinning of our society. John Adams, in "A Dissertation on the Canon and the Feudal Law" said that for democracy to succeed, we must all know and speak the laws. He said:

"Let the public disputations become researches into the grounds and nature and ends of government, and the means of preserving the good and demolishing the evil. Let the dialogues, and all the exercises, become the instruments of impressing on the tender mind, and of spreading and distributing far and wide, the ideas of right and the sensations of freedom.

In a word, let every sluice of knowledge be opened and set a-flowing."

For our democracy to succeed, we must all be scanners. ASCII to ASCII, disk to disk. Data thou art and data thou shalt return.



When I started to publish federal law, I sent the ASTM and 9 other



I continue publishing the laws of our land. Let every sluice of knowledge be set a-flowing. Thanks for your support.

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