

EXHIBIT B

IN THE UNITED STATES DISTRICT COURT
NORTHERN DISTRICT OF CALIFORNIA
SAN FRANCISCO DIVISION

--oOo--

ORACLE CORPORATION, a)
Delaware corporation, ORACLE)
USA, INC., a Colorado)
corporation, and ORACLE)
INTERNATIONAL CORPORATION, a)
California corporation,)
)
Plaintiffs,)
)
vs.) 07-CV-1658 (PJH)
)
SAP AG, a German corporation,)
SAP AMERICA, INC., a Delaware)
corporation, TOMORROWNOW,)
INC., a Texas corporation, and)
DOES 1-50, inclusive,)
)
Defendants.)
)

VIDEOTAPED DEPOSITION OF DONALD REIFER

JUNE 18, 2010

HIGHLY CONFIDENTIAL - ATTORNEYS' EYES ONLY

REPORTED BY: SARAH LUCIA BRANN, CSR 3887 (#427125)

HIGHLY CONFIDENTIAL - ATTORNEYS' EYES ONLY
DONALD REIFER - 6/18/2010

Page 98	Page 100
11:55:19 11:55:22 11:55:25 11:55:28 11:55:33 11:55:36 11:55:40 11:55:42 11:55:45 11:55:48 11:55:50 11:55:53 11:56:12 11:56:13 11:56:14 11:56:33 11:56:36 11:56:41 11:56:43 11:56:48 11:56:53 11:56:55 11:56:58 11:56:59 11:57:06	11:58:32 11:58:33 11:58:34 11:58:35 11:58:50 11:58:51 11:58:55 11:58:58 11:58:59 11:59:00 11:59:04 11:59:06 11:59:11 11:59:14 11:59:17 11:59:23 11:59:25 11:59:27 11:59:32 11:59:33 11:59:36 11:59:56 22 Q. Have you ever estimated the cost of 11:59:58 23 development for PeopleSoft software before? 12:00:00 24 A. No. 12:00:01 25 Q. Have you ever estimated the cost of
Page 99	Page 101
11:57:08 11:57:10 11:57:14 11:57:16 11:57:16 11:57:19 11:57:20 11:57:23 11:57:26 11:57:27 11:57:32 11:57:36 11:57:37 11:57:39 11:57:46 11:57:48 11:57:52 11:57:57 11:58:02 11:58:07 11:58:20 11:58:22 11:58:25 11:58:26 11:58:29	12:00:02 1 development for JDEdwards software before? 12:00:05 2 A. No, I have not. 12:00:06 3 Q. Have you ever estimated the cost of 12:00:08 4 development for Siebel software before? 12:00:11 5 A. No, I have not. 12:00:12 6 Q. Have you ever estimated the cost of 12:00:15 7 development for SAP software before? 12:00:17 8 A. No, I have not. 12:00:34 9 Q. Have you ever worked as an employee of an 12:00:38 10 enterprise software company like Oracle? 12:00:40 11 A. No. 12:00:52 12 Q. How many times have you run a COCOMO II 12:00:56 13 cost estimate? 12:01:00 14 A. Hundreds. It's just -- a lot of times. 12:01:09 15 Q. How many times have you run it with COCOMO 12:01:10 16 II '97? 12:01:14 17 A. Hundreds. 12:01:15 18 Q. And COCOMO II.2000? 12:01:21 19 A. Oh, '97, none. Sorry. My apologies. Let 12:01:22 20 me correct that answer. 12:01:24 12:01:26 12:01:31 12:01:33 12:01:36

26 (Pages 98 to 101)

Merrill Corporation - San Francisco

800-869-9132

www.merrillcorp.com/law

HIGHLY CONFIDENTIAL - ATTORNEYS' EYES ONLY
DONALD REIFER - 6/18/2010

Page 106	Page 108
12:07:11	12:09:48
12:07:15	12:09:49
12:07:19	12:09:49
12:07:22	12:09:52
12:07:27	12:09:54
12:07:30	12:09:56
12:07:32	12:09:58
12:07:33	12:09:59
12:07:34	12:10:02
12:07:34	12:10:05
12:07:35	12:10:07
12:07:43	12:10:11
12:07:47	12:10:14
12:07:50	12:10:18
12:07:54	12:10:20
12:07:57	12:10:24
12:08:02	12:10:28
12:08:03	12:10:31
12:08:11	12:10:36
12:08:16	12:10:38
12:08:18	12:10:40
12:08:24	12:10:46
12:08:27	12:10:52
12:08:30	12:10:54
12:08:32	12:10:56

Page 107	Page 109
12:08:35	12:11:00
12:08:39	12:11:01
12:08:42	12:11:03
12:08:44	12:11:05
12:08:47	12:11:10
12:08:53	12:11:14
12:08:57	12:11:18
12:09:00	12:11:19
12:09:05	12:11:19
12:09:09	12:11:21
12:09:10	12:11:22
12:09:13	12:11:23
12:09:16	12:11:26
12:09:19	12:11:28
12:09:22	12:11:31
12:09:25	12:11:34
12:09:26	12:11:37
12:09:28	12:11:38
12:09:30	12:11:43
12:09:31	12:11:45
12:09:34	12:11:47
12:09:38	12:11:48
12:09:41	12:11:50
12:09:41	12:11:54
12:09:44	12:11:58
	2 Q. Excuse me. Let me finish.
	3 You developed an estimate using
	4 COCOMO II.2000 for certain software for the
	5 government, and then you managed the project through
	6 to deliver that software and -- against your
	7 estimate.
	8 A. That is correct.
	9 Q. Okay. And tell me what you did to do
	10 that.
	11 A. Okay.
	12 MR. BUTLER: Before you do that, I don't
	13 know whether you have any confidentiality
	14 obligations, but I caution you to think about that
	15 before disclosing information. I don't know what
	16 agreements might bind you or not, but I urge you to
	17 keep that in mind.
	18 THE WITNESS: Thank you, sir.
	19 Let's see what's a matter of public
	20 record.
	21 MR. ALINDER: Q. It's fine. I don't need
	22 to know the details of it.
	23 Is that the only time that you have used
	24 COCOMO II.2000 to develop an estimate and then
	25 managed the project to completion?

28 (Pages 106 to 109)

Merrill Corporation - San Francisco

800-869-9132

www.merrillcorp.com/law

HIGHLY CONFIDENTIAL - ATTORNEYS' EYES ONLY
DONALD REIFER - 6/18/2010

Page 110		Page 112
12:12:01	1 A. That is correct. Most of the other	12:14:50
12:12:02	2 estimates were used as estimating exercises to	12:14:52
12:12:06	3 develop estimates for clients, estimates --	12:14:54
12:12:10	4 independent estimates which were used to look at the	12:14:58
12:12:14	5 reasonableness of the client's offer, or the	12:15:06
12:12:17	6 reasonableness of the operational organization, in	12:15:07
12:12:21	7 some cases their ability to deliver estimates, to	12:15:13
12:12:27	8 look at competitiveness.	12:15:16
12:12:29	9 But in terms of "in charge of the delivery	12:15:18
12:12:33	10 of the product," these are small R&D projects that	12:15:20
12:12:37	11 are less than 10 people that I have managed the	12:15:25
12:12:41	12 delivery of.	12:15:26
12:12:41	13 Q. And you haven't used COCOMO II.1997 in	12:15:28
12:12:46	14 order to develop an estimate and then deliver on	12:15:31
12:12:48	15 that; correct?	12:15:34
12:12:49	16 A. The 1992 -- 1997 model is an antiquated	12:15:39
12:12:55	17 model that has been basically put on the shelf, put	12:15:41
12:12:59	18 on the shelf for history purposes that, of the 43	12:15:42
12:13:07	19 firms that are in the USC affiliates, no one uses	12:15:44
12:13:11	20 1997. I checked that.	12:15:46
12:13:13	21 MR. ALINDER: Okay. I object and move to	12:15:51
12:13:16	22 strike as non-responsive.	12:15:55
12:13:17	23 Q. The question was whether you had used that	12:15:58
12:13:19	24 before.	12:16:03
12:13:20	25 A. 1997? No.	12:16:03
Page 111		Page 113
12:13:22		12:16:05
12:13:25		12:16:06
12:13:28		12:16:07
12:13:30		12:16:07
12:13:30		12:16:10
12:13:30		12:16:12
12:13:34		12:16:14
12:13:36		12:16:16
12:13:39		12:16:18
12:13:41		12:16:20
12:13:47		12:16:25
12:13:49		12:16:29
12:13:51		12:16:30
12:13:57		12:16:33
12:14:03		12:16:36
12:14:05		12:16:43
12:14:11		12:16:45
12:14:18		12:17:05
12:14:26		12:17:12
12:14:27		12:17:15
12:14:33		12:17:20
12:14:39		12:17:22
12:14:42		12:17:24
12:14:45		12:17:27
12:14:48		12:17:29

29 (Pages 110 to 113)

Merrill Corporation - San Francisco

800-869-9132

www.merrillcorp.com/law

HIGHLY CONFIDENTIAL - ATTORNEYS' EYES ONLY
DONALD REIFER - 6/18/2010

Page 122	Page 124
12:28:14	12:30:36
12:28:16	12:30:36
12:28:19	12:30:38
12:28:21	12:30:39
12:28:24	12:30:42
12:28:29	12:30:59
12:28:30	12:31:00
12:28:32	12:31:04
12:28:35	12:31:05
12:28:38	12:31:06
12:28:43	12:31:07
12:28:48	12:31:09
12:28:50	12:31:09
12:28:53	12:31:11
12:28:55	13:29:23
12:29:01	13:29:24
12:29:03	13:29:29
12:29:08	13:29:30
12:29:11	13:29:32
12:29:16	13:29:35
12:29:22	13:29:38
12:29:23	13:29:41
12:29:24	13:29:41
12:29:29	13:29:47
12:29:31	13:29:50
Page 123	Page 125
12:29:33	13:29:51
12:29:36	13:29:55
12:29:40	13:30:04
12:29:45	13:30:08
12:29:50	13:30:13
12:29:53	13:30:16
12:29:54	13:30:18
12:29:54	13:30:21
12:29:55	13:30:25
12:29:58	13:30:27
12:30:00	13:30:28
12:30:05	13:30:30
12:30:10	13:30:36
12:30:13	13:30:52
12:30:15	13:30:53
12:30:18	13:31:17
12:30:20	13:31:19
12:30:21	13:31:25
12:30:22	13:31:27
12:30:25	13:31:28
12:30:27	13:31:30
12:30:30	13:31:33
12:30:31	13:31:41
12:30:32	13:31:45
12:30:35	13:31:48
	14 MR. ALINDER: Q. Can you turn to page 18 15 of your report? In your step two on page 18 you 16 say, "I next tried to acquire copies of the 17 specialized counting utilities that Mr. Pinto 18 developed to tally source lines of code." 19 A. Yes. 20 MR. BUTLER: Sorry. Objection to the 21 form. Mischaracterizes the document. 22 MR. ALINDER: Q. Do you see that? 23 A. Mm-hmm. Yes. 24 Q. Did you look at Mr. Pinto's code counters 25 that we produced with his report?

32 (Pages 122 to 125)

Merrill Corporation - San Francisco

800-869-9132

www.merrillcorp.com/law

HIGHLY CONFIDENTIAL - ATTORNEYS' EYES ONLY
DONALD REIFER - 6/18/2010

Page 126

13:31:52 1 A. Yes, we did.
13:31:56 2 Q. And so you looked at the -- which versions
13:32:05 3 of his code counters did you look at?
13:32:07 4 A. We looked at the -- in his attachments he
13:32:12 5 has parsing rules and he has the counting rules.
13:32:17 6 And then we looked -- we believe -- I believe they
13:32:26 7 are on his -- in one of the Pinto attachments there
13:32:30 8 are text files with some of the counters on it.
13:32:33 9 There are other files. We could never figure out in
13:32:39 10 total what the source code was for those files, nor
13:32:44 11 could we get them to execute.
13:32:46 12 Q. So you received the flat files of code and
13:32:48 13 you also received dot EXE versions of the counters;
13:32:53 14 right?
13:32:55 15 MR. BUTLER: Objection.
13:32:56 16 THE WITNESS: That is correct.
13:32:56 17 MR. BUTLER: Sorry, Don.
13:32:59 18 Objection. Vague. Ambiguous.
13:33:02 19 THE WITNESS: Okay. Could you elaborate,
13:33:03 20 please?
13:33:05 21 MR. ALINDER: Q. You don't understand
13:33:06 22 what I mean by flat files of code and dot EXE
13:33:11 23 versions?
13:33:11 24 A. What do you mean by flat files?
13:33:13 25 Q. Text files.

Page 127

13:33:14 1 A. We received text files and EXEs.
13:33:19 2 Q. So do you actually run --
13:33:21 3 A. We didn't --
13:33:22 4 Q. Hold on. You have to wait for me to
13:33:23 5 finish, and then you get to respond. And probably
13:33:27 6 pause in between for Mr. Butler to object, if he has
13:33:30 7 an objection.
13:33:31 8 MR. BUTLER: Thank you, Zac.
13:33:34 9 MR. ALINDER: Q. Did you actually run
13:33:35 10 Mr. Pinto's utilities against any code for your
13:33:39 11 report?
13:33:40 12 A. No. We were unable to run those
13:33:43 13 utilities, because we kept getting execution errors.
13:33:47 14 And our queries for clarification on the environment
13:33:54 15 were insufficient to get the execution errors
13:33:58 16 resolved.
13:34:00 17 Q. Did you ever ask anyone about why you were
13:34:04 18 unable to execute the code counters that Mr. Pinto
13:34:09 19 provided?
13:34:11 20 A. We --
13:34:12 21 MR. BUTLER: Objection.
13:34:12 22 Sorry, Don.
13:34:14 23 Objection to the form. Vague. Ambiguous.
13:34:16 24 THE WITNESS: Who do you mean by "anyone"?
13:34:19 25 MR. ALINDER: Q. Anyone is anyone.

Page 128

13:34:24 1 A. Yeah. We kept querying about -- so, for
13:34:28 2 example, we asked about environment. We were told
13:34:31 3 it was a Windows XP environment. But we didn't know
13:34:34 4 if SP2 was installed, SP1 was installed, if there
13:34:39 5 were any specialized drivers. To resolve the
13:34:44 6 execution errors in those counters would have
13:34:47 7 required a great deal of dialogue, and going through
13:34:53 8 various levels of people to get other people to
13:34:56 9 get -- provide answers. We felt it would be simpler
13:35:01 10 just to replicate Mr. Pinto's counting rules and
13:35:04 11 parsing rules and develop our own. It just was too
13:35:09 12 difficult a situation.
13:35:12 13 Q. So in the end you didn't end up using
13:35:14 14 Mr. Pinto's actual code counters?
13:35:17 15 A. We did not --
13:35:18 16 MR. BUTLER: Objection.
13:35:18 17 Sorry, Don. Please give me a break to --
13:35:21 18 chance to object.
13:35:24 19 Objection. Vague. Ambiguous.
13:35:25 20 Mischaracterizes the testimony.
13:35:28 21 THE WITNESS: Okay. Could you elaborate,
13:35:30 22 please?
13:35:31 23 MR. ALINDER: Q. You don't have to ask
13:35:32 24 for elaboration if you actually understand. If you
13:35:34 25 can answer the question despite Mr. Butler's

Page 129

13:35:39 1 objections --
13:35:40 2 A. Well, but there are objections. Because
13:35:42 3 if you look at using Mr. Pinto's counters, Mr. Pinto
13:35:47 4 only used counters on two of the four suites of
13:35:51 5 products. Two of the suites of products he inferred
13:35:54 6 size estimates.
13:35:55 7 So there were -- and that's World and
13:35:59 8 that's Siebel. They were never counted.
13:36:03 9 So the question is, which products are you
13:36:06 10 saying we should have used counters for and, you
13:36:11 11 know, can you elaborate?
13:36:14 12 Q. You never used the counters, Mr. Pinto's
13:36:17 13 counters, on any of the software here; right?
13:36:19 14 MR. BUTLER: Objection to the form.
13:36:21 15 Vague, ambiguous, and mischaracterizes the Reifer
13:36:24 16 report.
13:36:25 17 THE WITNESS: We were never able to get
13:36:27 18 the Pinto counters to execute in a Windows XP
13:36:32 19 environment, so we never used those counters because
13:36:35 20 of that root cause.
13:36:38 21 MR. ALINDER: Q. So instead what you did
13:36:39 22 is you created your own replica counters that you
13:36:43 23 believe followed Mr. Pinto's rules; correct?
13:36:50 24 A. For the Java and -- for some of the
13:36:52 25 programming languages, yes, we did.

33 (Pages 126 to 129)

Merrill Corporation - San Francisco

800-869-9132

www.merrillcorp.com/law

HIGHLY CONFIDENTIAL - ATTORNEYS' EYES ONLY
DONALD REIFER - 6/18/2010

Page 130		Page 132	
13:36:56	1	13:39:58	1
13:36:59	2	13:40:00	2
13:37:02	3	13:40:06	3
13:37:04	4	13:40:10	4
13:37:05	5	13:40:15	5
13:37:06	6	13:40:19	6
13:37:09	7	13:40:21	7
13:37:13	8	13:40:23	8
13:37:18	9	13:40:28	9
13:37:21	10	13:40:31	10
13:37:24	11	13:40:34	11
13:37:30	12	13:40:39	12
13:38:00	13	13:40:43	13
13:38:06	14	13:40:46	14
13:38:12	15	13:40:54	15
13:38:15	16	13:40:57	16
13:38:18	17	13:41:00	17
13:38:21	18	13:41:04	18
13:38:25	19	13:41:08	19
13:38:27	20	13:41:10	20
13:38:28	21	13:41:12	21
13:38:28	22	13:41:15	22
13:38:30	23	13:41:21	23
13:38:33	24	13:41:23	24
13:38:36	25	13:41:25	25
Page 131		Page 133	
13:38:41	1	13:41:29	1
13:38:43	2	13:41:32	2
13:38:47	3	13:41:36	3
13:38:50	4	13:41:39	4
13:38:55	5	13:41:42	5
13:39:02	6	13:41:49	6
13:39:10	7	13:41:51	7
13:39:11	8	13:41:55	8
13:39:16	9	13:41:58	9
13:39:21	10	13:41:59	10
13:39:23	11	13:42:02	11
13:39:23	12	13:42:03	12
13:39:24	13	13:42:05	13
13:39:24	14	13:42:07	14
13:39:26	15	13:42:12	15
13:39:27	16	13:42:14	16
13:39:29	17	13:42:15	17
13:39:29	18	13:42:20	18
13:39:31	19	13:42:24	19
13:39:34	20	13:42:27	20
13:39:37	21	13:42:30	21
13:39:39	22	13:42:34	22
13:39:44	23	13:42:37	23
13:39:46	24	13:42:41	24
13:39:51	25	13:42:45	25

HIGHLY CONFIDENTIAL - ATTORNEYS' EYES ONLY
DONALD REIFER - 6/18/2010

Page 134		Page 136			
13:42:49	1	A. Same answer. It can easily be	13:45:00	1	Q. You would have to do some additional
13:42:52	2	accommodated within the framework.	13:45:02	2	development in order to make that counter count?
13:42:54	3	Q. Does the USC UCC counter count DMS code?	13:45:05	3	A. Yeah, but it would be substantially less,
13:43:01	4	MR. BUTLER: Objection. Vague.	13:45:08	4	in my opinion, than developing a custom counter.
13:43:02	5	Ambiguous.	13:45:13	5	Q. You have never developed a custom counter,
13:43:02	6	THE WITNESS: Same answer. It does not	13:45:16	6	though, yourself, correct?
13:43:04	7	currently count DMS code.	13:45:18	7	A. I have had teams develop custom counters.
13:43:06	8	MR. ALINDER: Q. Does the USC UCC counter	13:45:21	8	I have not myself.
13:43:11	9	count COBOL code?	13:45:22	9	Q. Would the USC UCC counter that you used
13:43:14	10	MR. BUTLER: Same --	13:45:26	10	count SQC code?
13:43:14	11	THE WITNESS: The UCC --	13:45:29	11	MR. BUTLER: Same objection.
13:43:14	12	MR. BUTLER: Wait.	13:45:29	12	THE WITNESS: Same answer. The answer is,
13:43:15	13	THE WITNESS: I turned to you.	13:45:31	13	it could.
13:43:17	14	MR. BUTLER: I wanted to see what was	13:45:32	14	MR. ALINDER: Q. It could, but it didn't.
13:43:18	15	being transcribed first.	13:45:34	15	A. Yeah.
13:43:20	16	THE WITNESS: I am sorry.	13:45:38	16	Q. In your report do you identify
13:43:21	17	MR. BUTLER: Objection. Vague.	13:45:40	17	alternatively commercially available code counters
13:43:22	18	Ambiguous. Thank you.	13:45:44	18	for each of the languages in JDEdwards and
13:43:23	19	THE WITNESS: So the answer to your	13:45:47	19	PeopleSoft code?
13:43:25	20	question is, the predecessor counter does. There is	13:45:48	20	A. No, we do not.
13:43:28	21	a counter which was -- the UCC counter replaced,	13:45:52	21	Q. Did you only look at Mr. Pinto's code
13:43:32	22	that does count COBOL code. And we acquired that	13:45:55	22	counters for certain languages?
13:43:37	23	counter and were trying to use it, but we couldn't	13:45:57	23	A. Could you elaborate, please?
13:43:42	24	find any COBOL code.	13:46:01	24	Q. Which specific code counters of
13:43:48	25	So we do have a counter that's open	13:46:02	25	Mr. Pinto's did you review and replicate?
Page 135		Page 137			
13:43:50	1	source, downloadable, available, and it's the	13:46:13	1	A. We replicated the C++ language counter and
13:43:53	2	predecessor counter to UCC, which has been available	13:46:17	2	we replicated the Java counter, and we made an
13:43:57	3	since probably '03.	13:46:21	3	attempt to do an SQL counter and bring in a COBOL
13:44:01	4	MR. ALINDER: Q. The one that you used,	13:46:26	4	counter, but because of time we gave up on those
13:44:03	5	though, doesn't count COBOL code; correct?	13:46:29	5	efforts.
13:44:07	6	A. Well, we did download the predecessor	13:46:30	6	Q. When did you start your attempts to create
13:44:09	7	counter and load it on our machine to count COBOL	13:46:36	7	these counters?
13:44:14	8	code, but we couldn't find COBOL code. We tried.	13:46:37	8	A. Mr. Tan was my assistant, was brought on
13:44:19	9	Q. Does the USC UCC counter that you used	13:46:45	9	in mid-February. And as you saw, my report was due
13:44:24	10	counted RPT code?	13:46:48	10	on the 26th of March.
13:44:25	11	MR. BUTLER: Same objection. Vague.	13:46:49	11	Q. And this is Tom Tan?
13:44:26	12	Ambiguous.	13:46:52	12	A. Yes, sir.
13:44:26	13	THE WITNESS: Same answer. It could. It	13:46:53	13	Q. This is the same person we were talking
13:44:31	14	does count, not that format, but other report	13:46:56	14	about before; correct?
13:44:34	15	generators and other type codes like that.	13:46:59	15	A. Tom Tan, yes, sir.
13:44:38	16	MR. ALINDER: Q. Does the USC UCC counter	13:47:05	16	Q. Did Tom run all of the code counter --
13:44:40	17	that you used count SQR code?	13:47:16	17	strike that.
13:44:44	18	MR. BUTLER: Same objection.	13:47:17	18	Did Tom Tan do all of the runs using the
13:44:45	19	THE WITNESS: Same answer.	13:47:20	19	code counters for your report?
13:44:47	20	MR. ALINDER: Q. By same answer you mean	13:47:23	20	MR. BUTLER: Objection to the form.
13:44:49	21	it could be changed or customized in order to do	13:47:24	21	Vague. Ambiguous.
13:44:51	22	that?	13:47:25	22	THE WITNESS: Yes.
13:44:52	23	A. Not customized. It could -- the structure	13:47:38	23	MR. ALINDER: Q. Do all the code counters
13:44:55	24	accommodates the counter, and it's relatively simple	13:47:41	24	for -- that you looked at relate to the JDEdwards
13:45:00	25	work to develop.	13:47:45	25	products?

35 (Pages 134 to 137)

Merrill Corporation - San Francisco

800-869-9132

www.merrillcorp.com/law

HIGHLY CONFIDENTIAL - ATTORNEYS' EYES ONLY
DONALD REIFER - 6/18/2010

Page 138		Page 140	
13:47:50	1	13:51:08	1
13:47:54	2	13:51:12	2
13:47:58	3	13:51:17	3
13:48:00	4	13:51:21	4
13:48:02	5	13:51:27	5
13:48:06	6	13:51:30	6
13:48:08	7	13:51:47	7
13:48:13	8	13:51:52	8
13:48:17	9	13:51:56	9
13:48:26	10	13:52:07	10
13:48:33	11	13:52:09	11
13:48:36	12	13:52:15	12
13:48:40	13	13:52:17	13
13:48:46	14	13:52:18	14
13:48:52	15	13:52:27	15
13:48:54	16	13:52:33	16
13:48:58	17	13:52:39	17
13:49:03	18	13:52:40	18
13:49:06	19	13:52:43	19
13:49:10	20	13:52:46	20
13:49:11	21	13:52:49	21
13:49:13	22	13:52:50	22
13:49:17	23	13:52:51	23
13:49:19	24	13:52:55	24
13:49:23	25	13:52:57	25
Page 139		Page 141	
13:49:27	1	13:53:00	1
13:49:29	2	13:53:05	2
13:49:34	3	13:53:08	3
13:49:38	4	13:53:12	4
13:50:05	5	13:53:20	5
13:50:07	6	13:53:21	6
13:50:11	7	13:53:23	7
13:50:14	8	13:53:25	8
13:50:15	9	13:53:30	9
13:50:18	10	13:53:35	10
13:50:18	11	13:53:39	11
13:50:18	12	13:53:40	12
13:50:19	13	13:53:45	13
13:50:22	14	13:53:49	14
13:50:25	15	13:53:52	15
13:50:27	16	13:53:57	16
13:50:30	17	13:54:00	17
13:50:34	18	13:54:04	18
13:50:35	19	13:54:08	19
13:50:38	20	13:54:11	20
13:50:40	21	13:54:15	21
13:50:43	22	13:54:18	22
13:50:50	23	13:54:25	23
13:50:57	24	13:54:31	24
13:51:05	25	13:54:34	25

HIGHLY CONFIDENTIAL - ATTORNEYS' EYES ONLY
DONALD REIFER - 6/18/2010

Page 142		Page 144	
13:54:39	1	13:56:48	1
13:54:46	2	13:56:58	2
13:54:46	3	13:57:01	3
13:54:52	4	13:57:02	4
13:54:55	5	13:57:03	5
13:54:56	6	13:57:04	6
13:54:58	7	13:57:05	7
13:55:00	8	13:57:07	8
13:55:02	9	13:57:09	9
13:55:06	10	13:57:10	10
13:55:07	11	13:57:12	11
13:55:09	12	13:57:15	12
13:55:12	13	13:57:16	13
13:55:16	14	13:57:18	14
13:55:16	15	13:57:19	15
13:55:17	16	13:57:32	
13:55:19	17	13:57:33	
13:55:24	18	13:57:38	
13:55:25	19	13:57:48	
13:55:27	20	13:57:50	
13:55:28	21	13:57:54	
13:55:29	22	13:57:55	
13:55:31	23	13:57:58	
13:55:35	24	13:57:59	
13:55:37	25	13:58:00	
Page 143		Page 145	
13:55:39	1	13:58:05	
13:55:41	2	13:58:08	
13:55:42	3	13:58:14	
13:55:46	4	13:58:16	
13:55:48	5	13:58:21	
13:55:53	6	13:58:25	
13:55:56	7	13:58:34	
13:55:58	8	13:58:38	
13:55:59	9	13:58:44	
13:56:01	10	13:58:45	
13:56:03	11	13:58:46	
13:56:10	12	13:58:54	
13:56:14	13	13:58:55	
13:56:15	14	13:58:58	
13:56:17	15	13:59:01	
13:56:22	16	13:59:07	
13:56:25	17	13:59:10	
13:56:26	18	13:59:15	
13:56:29	19	13:59:18	
13:56:30	20	13:59:19	
13:56:32	21	13:59:23	
13:56:34	22	13:59:28	
13:56:35	23	13:59:33	
13:56:41	24	13:59:35	
13:56:44	25	13:59:38	

37 (Pages 142 to 145)

Merrill Corporation - San Francisco

800-869-9132

www.merrillcorp.com/law

HIGHLY CONFIDENTIAL - ATTORNEYS' EYES ONLY
DONALD REIFER - 6/18/2010

Page 150		Page 152	
14:04:43	1	Q. Why did you perform a test on the	14:07:48
14:04:46	2	FlightGear code?	14:07:50
14:04:48	3	A. We looked at FlightGear just to see if we	14:07:51
14:04:52	4	should go any further. We were having difficulties	14:07:52
14:04:56	5	finding the code in EnterpriseOne. And we didn't	14:07:54
14:05:03	6	know whether or not it would be a fruitful exercise	14:07:59
14:05:07	7	to continue that effort, so what we did is we took	14:08:01
14:05:16	8	the two counters and counted a public domain open	14:08:03
14:05:20	9	source package to see if there were major	14:08:07
14:05:23	10	differences in the counts. And based on that, then	14:08:10
14:05:27	11	what we did is we, you know, continued with our	14:08:10
14:05:33	12	counting experiments.	14:08:11
14:05:44	13	Q. Isn't it true that open source code like	14:08:12
14:05:47	14	FlightGear can be structurally different than	14:08:15
14:05:50	15	proprietary code?	14:08:18
14:05:52	16	MR. BUTLER: Objection. Vague.	14:08:26
14:05:52	17	Ambiguous.	14:08:29
14:05:53	18	THE WITNESS: I think that has no -- it's	14:08:37
14:05:56	19	not relevant. We were just running an experiment to	14:08:44
14:06:00	20	see the difference. And then what we said, based on	14:08:48
14:06:03	21	the difference, let's look at the actual code. So	14:09:03
14:06:06	22	the experiment was not germane to anything in my	14:09:07
14:06:10	23	report. It just was -- we were running an	14:09:09
14:06:14	24	experiment to see if we should go any further.	14:09:12
14:06:18			14:09:18
Page 151		Page 153	
14:06:22			14:09:21
14:06:24			14:09:25
14:06:26			14:09:28
14:06:27			14:09:31
14:06:29			14:09:37
14:06:31			14:09:39
14:06:38			14:09:53
14:06:43			14:09:53
14:06:46			14:09:57
14:06:50			14:10:00
14:06:54			14:10:00
14:06:55			14:10:05
14:06:59			14:10:09
14:07:04			14:10:13
14:07:07			14:10:15
14:07:10			14:10:17
14:07:13			14:10:18
14:07:17			14:10:21
14:07:21			14:10:24
14:07:36			14:10:28
14:07:37			14:10:33
14:07:41			14:10:39
14:07:42			14:10:42
14:07:45			14:10:56
14:07:48			14:10:59

HIGHLY CONFIDENTIAL - ATTORNEYS' EYES ONLY
DONALD REIFER - 6/18/2010

Page 154		Page 156			
14:11:07	1	Q. Right below the "Notes" you say, "The main	14:14:07	1	counters, because they are different languages with
14:11:10	2	difference in Logical Source Lines of Code ("SLOC")	14:14:10	2	different syntax and different semantics.
14:11:15	3	calculation occurred due to how embedded comments	14:14:13	3	Q. But Mr. Pinto's code counters, you
14:11:18	4	were counted by Mr. Pinto's utility software." Do	14:14:15	4	understand, were for C and not C++.
14:11:22	5	you see that?	14:14:18	5	A. I understand that. But the FlightGear is
14:11:22	6	A. Yes, I do.	14:14:24	6	written in C and C++.
14:11:37	7	Q. Is that based on this experiment using the	14:14:26	7	Q. Right. So for the UCC you used C and C++
14:11:42	8	FlightGear code?	14:14:31	8	counters.
14:11:46	9	A. Yes, it is, I would imagine.	14:14:32	9	A. That's correct.
14:11:53	10	Let me read it again, because...	14:14:35	10	Q. And there was no C++ counter for Pinto;
14:12:16	11	Yes, it is. It's on the C code.	14:14:38	11	correct?
14:12:22	12	Q. The C++ code?	14:14:39	12	A. Not to my knowledge, if that's what you
14:12:26	13	A. C and C++ code, yes. There is both in	14:14:41	13	are driving at.
14:12:28	14	there.	14:14:44		
14:12:29	15	Q. You agree that FlightGear is not at issue	14:14:47		
14:12:31	16	in this case?	14:14:49		
14:12:32	17	MR. BUTLER: Objection to the form. Vague	14:14:54		
14:12:35	18	and ambiguous.	14:14:56		
14:12:36	19	THE WITNESS: What do you mean by "at	14:14:58		
14:12:37	20	issue"?	14:15:00		
14:12:38	21	MR. ALINDER: Q. It's not part of the	14:15:01		
14:12:39	22	case at all, other than in your report here;	14:15:05		
14:12:41	23	correct?	14:15:05		
14:12:42	24	MR. BUTLER: Same objection.	14:15:05		
14:12:45	25	THE WITNESS: It's -- the only reason that	14:15:26		
Page 155		Page 157			
14:12:48	1	it's in here is that it was an experiment on --	14:15:28		
14:12:52	2	leading to further experiments.	14:15:30		
14:12:54	3	MR. ALINDER: Q. You just said that	14:15:41		
14:12:55	4	FlightGear contains C++ code; correct?	14:15:42		
14:12:59	5	A. Both C and C++ code.	14:15:45		
14:13:02	6	Q. Are you aware of whether there was any C++	14:15:46		
14:13:05	7	code in JDEdwards, PeopleSoft, or Siebel?	14:15:47		
14:13:09	8	A. I'm not aware. In this code -- I know	14:15:50		
14:13:12	9	this code very well. That's why we selected it.	14:15:54		
14:13:16	10	Q. Did you differentiate between C and C++	14:15:55		
14:13:20	11	code when you tested the replicas of Mr. Pinto's C	14:15:56		
14:13:25	12	code counter?	14:15:59		
14:13:26	13	A. The C and C++ are separate counters in	14:16:01		
14:13:28	14	USC, because they observe different counting rules	14:16:02		
14:13:34	15	and parsing rules. So by definition we have	14:16:06		
14:13:38	16	differentiated.	14:16:10		
14:13:39	17	Q. And my question refers to Mr. Pinto's	14:16:16		
14:13:43	18	replicas of the -- or the replicas that you made of	14:16:19		
14:13:49	19	Mr. Pinto's C code counter, not the UCC one.	14:16:19		
14:13:53	20	A. I would have to go look at the counters	14:16:26		
14:13:54	21	themselves to answer that definitively.	14:16:29		
14:13:56	22	Q. You are aware that Mr. Pinto's counter was	14:16:29		
14:13:58	23	designed for C code, and not C++?	14:16:32		
14:14:01	24	A. Yes, I understand that. We have two	14:16:35		
14:14:02	25	separate counters. Again, C and C++ are separate	14:16:37		

40 (Pages 154 to 157)

Merrill Corporation - San Francisco

800-869-9132

www.merrillcorp.com/law

HIGHLY CONFIDENTIAL - ATTORNEYS' EYES ONLY
DONALD REIFER - 6/18/2010

Page 170		Page 172	
14:34:14		14:53:39	1 package. Is that right?
14:34:16		14:53:40	2 A. The programs that we found, that is
14:34:18		14:53:42	3 correct.
14:34:19		14:53:45	4 Q. And then you ran both the replica Pinto
14:34:22		14:53:50	5 counters and the USC counters on each of those sets
14:34:25		14:53:55	6 of code; correct?
14:34:27		14:53:56	7 A. That is correct.
14:34:30		14:53:58	8 Q. And then you compared those two sets of
14:34:31		14:54:06	9 results and determined that for the five routines
14:34:32		14:54:14	10 there was nine and a half percent difference between
14:34:34		14:54:19	11 the Pinto replica counter and the USC code counter;
14:34:35		14:54:23	12 right?
14:34:36		14:54:24	13 A. That is correct.
14:34:38		14:54:25	14 Q. And the difference between the replica
14:34:40		14:54:29	15 counter and the USC counter for the -- all of the
14:34:42		14:54:34	16 code that you found in JDEdwards EnterpriseOne was
14:34:43		14:54:37	17 14 and a half percent; right?
14:34:44		14:54:39	18 A. That is correct.
14:34:46		14:54:47	19 Q. Which set of code in your report do you
14:34:49		14:54:50	20 apply the nine and a half percent difference to?
14:34:52		14:54:58	21 A. I believe that's the Java code, but I need
14:34:55		14:55:03	22 to confirm that.
14:34:59		14:55:23	23 That is correct, on page 62, in the
14:35:06		14:55:30	24 final -- in this table on the second paragraph down.
14:35:09		14:55:35	25 Q. Okay. So -- thank you. On page 62 you
Page 171		Page 173	
14:35:13		14:55:42	1 state that you used the 14 and a half percent to
14:35:18		14:55:46	2 reduce the C programming language size estimates by
14:35:21		14:55:50	3 14 and a half percent, and you applied the nine and
14:35:22		14:55:53	4 a half percent to reduce the Java size estimate;
14:35:26		14:56:01	5 correct?
14:35:29		14:56:01	6 A. That is correct.
14:35:30		14:56:04	7 Q. So you applied those percentages to
14:35:33		14:56:06	8 Mr. Pinto's total size estimate to come up with a
14:35:34		14:56:10	9 revised size estimate for each of those types of
14:52:54		14:56:13	10 code?
14:52:55		14:56:13	11 A. To come up with a corrected estimate.
14:52:59		14:56:18	12 Q. Based on a perceived error between the
14:53:02		14:56:20	13 replica counter and the USC code counter; correct?
14:53:05		14:56:24	14 MR. BUTLER: Objection. Vague and
14:53:07		14:56:25	15 ambiguous.
14:53:12		14:56:29	16 THE WITNESS: We used those percentages
14:53:14		14:56:30	17 because of perceived errors in counting, based on
14:53:15	18 Q. Okay. And in table 4 and table 5 you have	14:56:37	18 the fact that the embedded constants were not
14:53:18	19 results of two code counting experiments that you	14:56:41	19 stripped in Pinto's counters --
14:53:22	20 did; correct?	14:56:47	20 MR. ALINDER: Q. In the replica counters
14:53:23	21 A. That is correct.	14:56:48	21 that you used?
14:53:25	22 Q. In the first one you use five routines	14:56:49	22 A. -- which followed the -- yes, that's
14:53:27	23 from the JDEdwards EnterpriseOne software package,	14:56:51	23 correct.
14:53:30	24 and in the second one you took all of the programs	14:56:53	
14:53:34	25 that you found in the JDEdwards EnterpriseOne	14:56:58	

44 (Pages 170 to 173)

Merrill Corporation - San Francisco

800-869-9132

www.merrillcorp.com/law

HIGHLY CONFIDENTIAL - ATTORNEYS' EYES ONLY
DONALD REIFER - 6/18/2010

Page 194		Page 196	
15:24:53		15:28:44	1 could.
15:24:54		15:28:52	2 The important point here is there is the
15:24:56		15:28:55	3 potential for double counting.
15:25:01		15:29:01	4 MR. ALINDER: Q. So you are saying, if
15:25:05		15:29:02	5 Mr. Pinto included additional documentation costs on
15:25:14		15:29:05	6 top of the COCOMO estimate, that would be double
15:25:16		15:29:09	7 counting.
15:25:20		15:29:11	8 A. In his total estimate, that would be, yes.
15:25:31	9 Q. Can you turn to page 23, please, of your	15:29:13	9 Q. But you are not aware that Mr. Pinto
15:25:34	10 report? On table -- page 23 of your report, you	15:29:15	10 actually did that.
15:25:53	11 analyze Mr. Pinto's step four regarding the number	15:29:16	11 MR. BUTLER: Objection. Objection.
15:25:58	12 of pages of documentation. Is that right?	15:29:16	12 Vague. Ambiguous. Mischaracterizes the prior
15:26:03	13 A. Under the second bullet, that is correct.	15:29:20	13 testimony.
15:26:10	14 Q. Did the number of pages of documentation	15:29:20	14 THE WITNESS: I am not aware that he did
15:26:13	15 from Mr. Pinto's report result in a number that is	15:29:22	15 or didn't do that.
15:26:17	16 an input into the COCOMO model?	15:29:23	16 I also note that, you know, if you look at
15:26:21	17 A. No, it does not.	15:29:26	17 the volume of documentation in the last, next to the
15:26:27	18 Q. So, do your statements here about number	15:29:32	18 last sentence, you are talking 5,000 volumes of user
15:26:29	19 of pages of documentation directly influence your	15:29:36	19 documentation of 400 pages. That seems a little
15:26:33	20 COCOMO model at all?	15:29:39	20 excessive to me.
15:26:36	21 MR. BUTLER: Objection. Vague, ambiguous,	15:29:41	21 MR. ALINDER: Q. Did you talk to
15:26:38	22 and mischaracterizes the expert report.	15:29:41	22 Mr. Garmus about the 7,000 volumes that he had for
15:26:42	23 THE WITNESS: I can refresh you on page	15:29:45	23 his analysis?
15:26:47	24 17. It's my comments on the 10-step method proposed	15:29:47	24 A. No, I did not.
15:26:54	25 by Mr. Pinto. And what I was doing as I was going	15:29:49	25 Q. He didn't tell you about that?
Page 195		Page 197	
15:26:58	1 through the steps was noting differences between	15:29:51	1 A. No. I didn't talk to him at all about
15:27:03	2 COCOMO and what Mr. Pinto was proposing.	15:29:54	2 this analysis, nor did I read his report.
15:27:07	3 If one looks at the table that's cited	15:29:57	3 Q. Would that have been helpful in you
15:27:10	4 here from Capers Jones, which was not cited by	15:30:00	4 determining whether 5,000 volumes was too many?
15:27:16	5 Mr. Pinto in his report and should have been, one	15:30:08	5 A. Mr. Garmus has a stellar reputation in the
15:27:21	6 sees that, you know, the thing -- items in his table	15:30:13	6 function point community. If he has said that 7,000
15:27:25	7 for documentation in terms of manuals, et cetera,	15:30:18	7 volumes of documentation were needed, which I doubt,
15:27:29	8 that he said were extra are normally produced as a	15:30:22	8 I would have confidence in his ability to come up
15:27:36	9 normal part of the software development process, and	15:30:26	9 with that number.
15:27:39	10 normally encompassed within the scope of COCOMO. So	15:30:28	10 Q. I didn't say that he said 7,000 were
15:27:43	11 there is some double counting there.	15:30:31	11 needed. I said over that many were in his
15:27:53	12 MR. ALINDER: Q. So they don't directly	15:30:35	12 possession for use in his analysis.
15:27:55	13 influence the COCOMO model; correct?	15:30:39	13 A. Oh, I would be surprised.
15:27:58	14 MR. BUTLER: Objection. Mischaracterizes	15:30:43	14 MR. BUTLER: Also mischaracterizes the
15:27:59	15 the testimony. Vague. Ambiguous.	15:30:45	15 prior testimony.
15:28:03	16 THE WITNESS: It impacts the estimate, in	15:30:52	16 MR. ALINDER: Q. Did you look on any of
15:28:05	17 the sense that if Mr. Pinto -- and I don't know how	15:30:53	17 the software CDs to see how much documentation was
15:28:10	18 he arrived at his numbers on his extreme end of his	15:30:57	18 provided with any of the PeopleSoft or JDEdwards
15:28:15	19 estimate. That was never explained in his report,	15:31:03	19 software?
15:28:22	20 when we get to that.	15:31:04	20 A. There were instructions on one of the
15:28:24	21 I quoted it before, you know, this extreme	15:31:06	21 JDEdwards software, the second CD, I believe. There
15:28:27	22 range, where he goes -- doubles his cost as the most	15:31:12	22 was documentation. But this is pretty standard, you
15:28:35	23 pessimistic cost. I don't know if that includes	15:31:15	23 know. I did not look at the PeopleSoft.
15:28:38	24 COCOMO estimate plus documentation as a separate	15:31:20	24 Again, we focused our energy on
15:28:41	25 entity, or what it includes. So the answer is, it	15:31:23	25 EnterpriseOne because of the barriers put up that

HIGHLY CONFIDENTIAL - ATTORNEYS' EYES ONLY
DONALD REIFER - 6/18/2010

Page 198		Page 200	
15:31:27	1	would basically limit our ability to do a detailed	15:34:06
15:31:31	2	analysis of the size counts.	15:34:09
15:31:34	3	Q. Did you ask anyone for the PeopleSoft or	15:34:09
15:31:37	4	PeopleBook libraries that related to the software	15:34:12
15:31:41	5	that you had?	15:34:14
15:31:41	6	A. No.	15:34:17
15:31:52	7	Again, let me state that we did a COCOMO	15:34:17
15:31:56	8	analysis to verify Mr. Pinto's estimates. And	15:34:19
15:32:00	9	within the scope of the COCOMO estimate there is	15:34:30
15:32:03	10	documentation. And it was apparent that, within the	15:34:34
15:32:09	11	documentation step four that Mr. Pinto had in his	15:34:35
15:32:15	12	table, that there was the potential for double	15:34:36
15:32:18	13	counting some of that documentation that the COCOMO	15:34:41
15:32:21	14	estimate already estimated.	15:34:45
15:32:23	15	Q. So other than this potential for double	15:34:49
15:32:25	16	counting if Mr. Pinto had counted additional	15:34:53
15:32:29	17	documentation and added it to the COCOMO model which	15:34:59
15:32:34	18	you have described, is there any other double	15:34:59
15:32:37	19	counting that you are referring to in your report	15:35:02
15:32:39	20	here?	15:35:02
15:32:39	21	A. You mean in terms of documentation or --	15:35:04
15:32:43	22	Q. Yes. Correct.	15:35:07
15:32:45	23	MR. BUTLER: Objection to the form.	15:35:08
15:32:46	24	Vague, ambiguous, and mischaracterizes the	15:35:09
15:32:49	25	testimony.	15:35:10
Page 199		Page 201	
15:32:50	1	THE WITNESS: Well, I would have to study	15:35:13
15:32:51	2	the report and look. There may be. There may not	15:35:17
15:32:56	3	be. I don't remember.	15:35:18
15:32:58			15:35:19
15:32:59			15:35:23
15:33:03			15:35:26
15:33:05			15:35:27
15:33:05			15:35:30
15:33:08			15:35:33
15:33:10			15:35:37
15:33:13			15:36:04
15:33:16			15:36:11
15:33:19			15:36:14
15:33:22			15:36:24
15:33:27			15:36:28
15:33:31			15:36:29
15:33:33			15:36:30
15:33:34			15:36:32
15:33:35			15:36:36
15:33:38			15:36:39
15:33:41			15:36:43
15:33:49			15:36:47
15:33:52			15:36:54
15:33:56			15:36:57
15:34:00			15:37:03

51 (Pages: 198 to 201)

Merrill Corporation - San Francisco

800-869-9132

www.merrillcorp.com/law

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25

CERTIFICATE OF REPORTER

I, SARAH LUCIA BRANN, a Certified Shorthand Reporter, hereby certify that the witness in the foregoing deposition was by me duly sworn to tell the truth, the whole truth, and nothing but the truth in the within-entitled cause;

That said deposition was taken in shorthand by me, a disinterested person, at the time and place therein stated, and that the testimony of the said witness was thereafter reduced to typewriting, by computer, under my direction and supervision;

That before completion of the deposition, review of the transcript [X] was [] was not requested. If requested, any changes made by the deponent (and provided to the reporter) during the period allowed are appended hereto.

I further certify that I am not of counsel or attorney for either or any of the parties to the said deposition, nor in any way interested in the event of this cause, and that I am not related to any of the parties thereto.

DATED: June 25, 2010

Sarah Lucia Brann

SARAH LUCIA BRANN, CSR No. 3887