

# **EXHIBIT 63**

**REDACTED VERSION OF DOCUMENT(S)  
SOUGHT TO BE SEALED**

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FACEBOOK, INC.

13  
14 UNITED STATES DISTRICT COURT  
15 NORTHERN DISTRICT OF CALIFORNIA  
16 OAKLAND DIVISION

17 MATTHEW CAMPBELL and MICHAEL  
HURLEY,

18 Plaintiffs,

19 v.

20 FACEBOOK, INC.,

21 Defendant.  
22

Case No. C 13-05996 PJH (MEJ)

**PUTATIVE CLASS ACTION**

**DECLARATION OF MICHAEL ADKINS  
IN SUPPORT OF DEFENDANT  
FACEBOOK, INC.'S OPPOSITION TO  
PLAINTIFFS' MOTION FOR CLASS  
CERTIFICATION**

1 I, Michael Adkins, declare as follows:

2 1. I have been employed as a software engineer at Facebook since May 2010, and my  
3 current title is Engineering Manager. I am over the age of 18. I have worked on the Facebook  
4 Messages product to build anti-abuse, security, and anti-phishing systems for the Facebook Messages  
5 product. My responsibilities generally involve ensuring the integrity of messages passing through  
6 Facebook’s system to ensure that they are not malicious, fraudulent, or spam. My work thus  
7 encompasses [REDACTED] one of Facebook’s suite of anti-abuse systems (also referred to as “Security”  
8 systems). Unless otherwise stated, the following facts are within my personal knowledge and, if  
9 called and sworn as a witness, I could and would testify competently to these facts.

10 2. I provide this Declaration to explain certain facts regarding Facebook’s software code  
11 as it relates to Facebook’s [REDACTED] and other Security-related systems, particularly as they relate to  
12 uniform resource locators (“URLs”) in messages sent and received through the Facebook platform, in  
13 support of Facebook’s Opposition to Plaintiffs’ Motion for Class Certification.

14 3. As explained in further detail below, Facebook source code is configured to run [REDACTED]  
15 [REDACTED]  
16 [REDACTED]  
17 [REDACTED] Accordingly, there are many  
18 instances when a URL or URL attachment generated in connection with a message will not lead to  
19 the creation of a [REDACTED]. Specifically, in those instances when a URL attachment is blocked by  
20 Sentry, no [REDACTED] will be created. Further, contrary to assertions I understand Plaintiffs have  
21 made in this case, [REDACTED] generated from URL attachments to messages for its  
22 security and anti-abuse functions.

23 **Overview of Sentry**

24 4. [REDACTED] to determine whether a  
25 message or post, or information included with it – such as a URL – is malicious, fraudulent, or  
26 otherwise harmful. For example, if a person using Facebook posts or sends a message with the URL  
27 http://clickmonkeys.com, [REDACTED] would analyze the URL to determine

1 whether it is a harmful link containing spam, malware, a virus, or the like, and whether it is likely that  
2 the sender's account has been hijacked (given that it sent a malicious or spammy URL or URLs).

3 [REDACTED] can likewise run things like [REDACTED]  
4 [REDACTED]  
5 [REDACTED]

6 5. One general purpose of Facebook's Security systems (including [REDACTED], among others)  
7 is to protect people and their data when they use Facebook. For instance, Facebook encrypts user  
8 activity (whether that involves posting a status update or sending a message) so that third parties  
9 cannot access it in transit, and if an individual clicks on a spam post accidentally, Facebook's  
10 detection tools determine whether a virus has infected the individual's browser or computer and helps  
11 to remove it. [REDACTED] among other Security tools, was built to ward off attacks from cyber criminals,  
12 hackers, and other such individuals or entities, so that all people legitimately using Facebook can  
13 enjoy the site safely and confidently.

14 6. Sentry runs a series of various filters and other mechanisms by which to detect abuse  
15 or other fraudulent activity on Facebook; these include functions called [REDACTED] and  
16 "Sigma." [REDACTED] the URL typed  
17 in the text of the message [REDACTED]  
18 [REDACTED]  
19 [REDACTED]  
20 [REDACTED]  
21 [REDACTED]

22 [REDACTED]. Sigma, in turn, is a rules engine that runs a series of policies  
23 [REDACTED]  
24 [REDACTED]  
25 [REDACTED]  
26 [REDACTED]  
27 [REDACTED]

1 **Sentry and URLs in Messages**

2 7. As noted above in paragraph 3, Facebook code is configured such that [REDACTED]

3 [REDACTED]

4 8. *First*, during the period covered by discovery in this case (2010-2013), [REDACTED]

5 [REDACTED]

6 [REDACTED]

7 [REDACTED], Facebook would assess [REDACTED]

8 [REDACTED] This functionality can be seen [REDACTED]

9 [REDACTED] which specifically states that [REDACTED]

10 [REDACTED]

11 9. Specifically, if the sender typed a URL into the message and [REDACTED]

12 [REDACTED], which would in turn, [REDACTED]

13 [REDACTED] (which is contained in a  
14 system called [REDACTED]), it would tell [REDACTED]

15 [REDACTED]. Accordingly, no URL preview would be generated. So instead,

16 [REDACTED]. This was true whether the person using

17 Facebook was attempting to share the URL through a message or through a public post to their

18 profile, a status message on their NewsFeed, a post to a friend's profile, or the like; [REDACTED]

19 [REDACTED] to generate a URL

20 preview. [REDACTED]

21 [REDACTED]

22 [REDACTED]

23 10. *Second*, if a URL preview was successfully generated (and not deleted by the sender),

24 the URL attachment would have been sent with the message when the sender pressed "Send." [REDACTED]

25 [REDACTED]

26 [REDACTED]

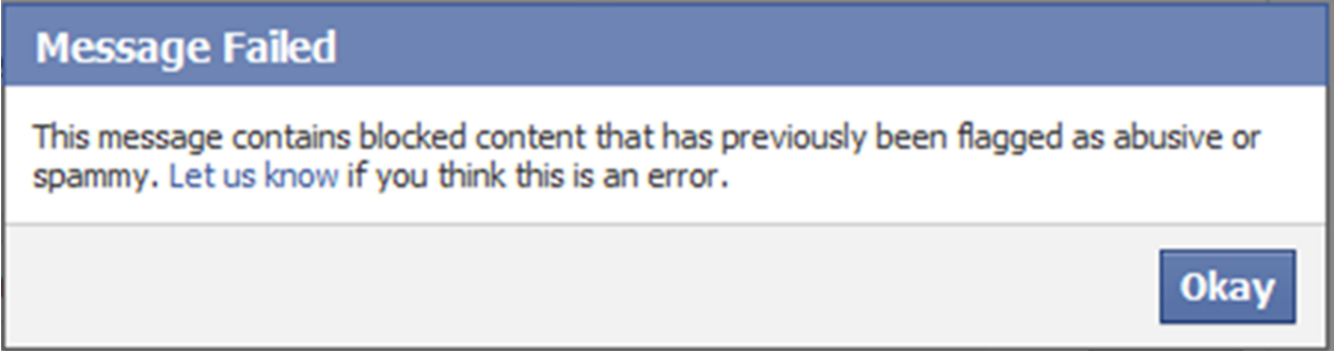
27 [REDACTED]

1 to determine and help resolve any abuse- or security-related issues. [REDACTED]  
2 [REDACTED] detect large-  
3 scale automated abuse (e.g., spam, malware, phishing, and other abuse). For example, Sigma [REDACTED]  
4 [REDACTED]  
5 [REDACTED]  
6 [REDACTED]. Likewise, the [REDACTED]  
7 [REDACTED]. Further, [REDACTED]  
8 could be run through Facebook's [REDACTED]  
9 [REDACTED]

10 11. [REDACTED]  
11 [REDACTED], and that the sender was  
12 allowed to send messages to that recipient (i.e. the recipient had not blocked that sender). This would  
13 also include [REDACTED]  
14 [REDACTED] qualify for delivery to the Inbox or  
15 whether it should be directed to the "Other" folder, based on the sender-recipient(s) relationship and  
16 the recipient's configured settings. The [REDACTED]  
17 [REDACTED]  
18 [REDACTED]. If  
19 such an error occurred, the [REDACTED]. If such an error occurred with respect to a  
20 URL attachment to a message, [REDACTED].

21 12. Further, the [REDACTED]  
22 [REDACTED]  
23 [REDACTED]  
24 [REDACTED]  
25 [REDACTED]  
26 [REDACTED]  
27 [REDACTED]. Accordingly, [REDACTED] may use [REDACTED]  
28

1 [REDACTED]  
2 [REDACTED]  
3 [REDACTED]. Based on the [REDACTED]  
4 [REDACTED]  
5 [REDACTED] the sender might have seen the  
6 following security prompt:



13 13. [REDACTED], including [REDACTED]  
14 [REDACTED] to perform their anti-abuse- and security-related  
15 functions. For instance, [REDACTED]  
16 [REDACTED]  
17 [REDACTED] – was available to  
18 and used by Sigma, [REDACTED].

19 14. *Third*, when a sender or a recipient tried to view the sent message, [REDACTED]  
20 [REDACTED]  
21 [REDACTED]  
22 [REDACTED] It would once again run a [REDACTED]  
23 [REDACTED] discussed in paragraphs 10-13 and if any of these threw an error, the message, part of the  
24 message, or its URL attachment may not have been rendered to the recipient. Of course, this set of  
25 checks would not occur if [REDACTED]  
26 [REDACTED]  
27 [REDACTED]

1 [REDACTED]  
2 detect that a URL attachment to the message was potentially dangerous when the recipient (or sender)  
3 tried to view it in their inbox, it could have shown the following security protocol to the recipient (or  
4 sender) when they tried to view the message and its attachment:



Ruth Putnam

1:29pm

This message is no longer available because it was identified as abusive or marked as spam.

5  
6  
7  
8  
9 15. Note that, if in this process, [REDACTED]

10 [REDACTED]  
11 [REDACTED]  
12 [REDACTED] it could not render its URL  
13 attachment to the recipient (or sender) trying to view that message. [REDACTED]

14 [REDACTED]  
15 [REDACTED]  
16 [REDACTED]  
17 **Variability Among Class Members and Over Time in Connection with Sentry**

18 16. There was considerable variability in a given instance with respect to whether [REDACTED]  
19 [REDACTED] on a message and any URL attachment  
20 associated with it.

21 17. For efficiency reasons, the Sigma [REDACTED]



1 [REDACTED]. Thus, [REDACTED]  
2 presented by each message. It is impossible to know precisely what [REDACTED] will do given the  
3 variability of the input and other data [REDACTED] at a given time.

4 18. Further, each individual [REDACTED], Sigma, [REDACTED]  
5 among others) could determine whether [REDACTED]  
6 [REDACTED] For instance, if a sender  
7 attempted to upload a malicious file, [REDACTED]

8 [REDACTED]  
9 19. Further, Facebook's [REDACTED]  
10 [REDACTED]  
11 [REDACTED]

12 20. Similarly, as described earlier above, if a sender sent a message to a recipient  
13 recognized as their Facebook friend, but the message contained a URL known to be a spammy link,  
14 [REDACTED]  
15 [REDACTED]  
16 [REDACTED]

17 21. Alternatively, [REDACTED] but was later determined by [REDACTED]  
18 [REDACTED]  
19 [REDACTED] so that it would not have rendered the URL preview  
20 attachment to the sender or recipient if they later reopened that message in their Inbox or Sent  
21 Messages folder.

22 22. Taking all of this variation together, at a minimum, determining whether a putative  
23 class member's share of a URL in a message actually resulted in [REDACTED]  
24 [REDACTED], among other things, on whether the [REDACTED]  
25 [REDACTED]  
26 [REDACTED] Such a determination  
27 would require the following individualized inquiries *for each message*:  
28

- 1 a. Was the message sent from the Facebook website, or was it sent using the Share  
2 Plugin on a third party website?
- 3 b. Did the sender either copy and paste a URL into the draft message text field, or type a  
4 URL into the draft text and press the space bar?
- 5 c. Was the URL to a third-party webpage (as opposed to a Facebook webpage)?
- 6 d. Was the sender using a browser that is JavaScript capable?
- 7 e. Did the sender have JavaScript enabled in her browser?
- 8 f. Did any of the [REDACTED]  
9 [REDACTED]  
10 [REDACTED]
- 11 g. When the message was sent, [REDACTED]  
12 [REDACTED]  
13 [REDACTED] or Sigma [REDACTED]  
14 [REDACTED]  
15 [REDACTED], among other things?
- 16 h. After the message had been sent, and the sender or recipient attempted to view it, was  
17 the URL attachment, or part of the message, or the whole message, [REDACTED]  
18 [REDACTED]  
19 [REDACTED]  
20 [REDACTED]  
21 [REDACTED]?

22 23. To my knowledge, neither Facebook nor any other entity possesses the data that would  
23 be required to ascertain the answers to the inquiries in paragraph 22(a)-(g), either on an individual or  
24 bulk basis, for putative class members.

1 I declare under penalty of perjury under the laws of the United States of America that the  
2 foregoing is true and correct and that this declaration was executed on January 14, 2016, in Menlo  
3 Park, California.

4  
5 /s/ Michael Adkins

Michael Adkins

**ATTORNEY ATTESTATION**

1 I, Christopher Chorba, attest that concurrence in the filing of this Declaration of Michael  
2 Adkins has been obtained from the signatory. I declare under penalty of perjury under the laws of the  
3 United States of America that the foregoing is true and correct. Executed this 15th day of January,  
4 2016, in Los Angeles, California.  
5

6 Dated: January 15, 2016

\_\_\_\_\_  
*/s/ Christopher Chorba*  
Christopher Chorba