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9 UNITED STATES DISTRICT COURT  
 10 NORTHERN DISTRICT OF CALIFORNIA  
 11 OAKLAND DIVISION

12 GOOGLE INC.,  
 13 Plaintiff,  
 14 v.  
 15 ROCKSTAR CONSORTIUM US LP and  
 MOBILESTAR TECHNOLOGIES LLC,  
 16 Defendants.  
 17

CASE NO. 13-cv-5933-CW

**JOINT STIPULATION AND [PROPOSED]  
 ORDER REGARDING DISCOVERY OF  
 ELECTRONICALLY STORED  
 INFORMATION**

19 **1. PURPOSE**

20 This Order will govern discovery of electronically stored information (“ESI”) in this case  
 21 as a supplement to the Federal Rules of Civil Procedure, this Court’s Guidelines for the Discovery  
 22 of Electronically Stored Information, and any other applicable orders and rules.

23 **2. COOPERATION**

24 The parties are aware of the importance the Court places on cooperation and commit to  
 25 cooperate in good faith throughout the matter consistent with this Court’s Guidelines for the  
 26 Discovery of ESI.  
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1 **3. LIAISON**

- 2 a. The parties have identified liaisons to each other who are and will be  
3 knowledgeable about and responsible for discussing their respective ESI. Each e-  
4 discovery liaison will be, or have access to those who are, knowledgeable about the  
5 technical aspects of e-discovery, including the location, nature, accessibility,  
6 format, collection, search methodologies, and production of ESI in this matter. The  
7 parties will rely on the liaisons, as needed, to confer about ESI and to help resolve  
8 disputes without court intervention.
- 9 b. Rockstar appoints Josh Budwin, as its e-discovery liaison.
- 10 c. Google appoints Kristin J. Madigan as its e-discovery liaison.

11 **4. PRESERVATION**

12 The parties have discussed their preservation obligations and needs and agree that  
13 preservation of potentially relevant ESI will be reasonable and proportionate. To reduce the costs  
14 and burdens of preservation and to ensure proper ESI is preserved, the parties agree that:

- 15 a. ESI regarding the patents-in-suit will only preserved if it existed at the time of the  
16 filing of this lawsuit, and was created or received between April 1, 1998 and  
17 December 23, 2013 will be preserved;
- 18 b. ESI regarding the accused functionality will be preserved only if it existed at the  
19 time of the filing of this suit and was created or received between January 1, 2004  
20 and December 23, 2013.
- 21 c. The parties have discussed the types of ESI they believe should be preserved and  
22 the custodians, or general job titles or descriptions of custodians, for whom they  
23 believe ESI should be preserved, e.g., “HR head,” “scientist,” and “marketing  
24 manager.” The parties shall add or remove custodians as reasonably necessary;
- 25 d. The parties will agree on the number of custodians per party for whom ESI will be  
26 preserved;
- 27
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- 1 e. These data sources are not reasonably accessible because of undue burden or cost  
2 under Fed. R. Civ. P. 26(b)(2)(B) and ESI from these sources will be preserved  
3 pursuant to normal business retention, but not searched, reviewed, or produced:
- 4 i. backup systems and/or tapes used for disaster recovery; and
  - 5 ii. systems no longer in use that cannot be accessed.
- 6 f. Among the sources of data the parties agree are not reasonably accessible, the  
7 parties agree not to preserve the following:
- 8 i. voicemail messages
  - 9 ii. information from handsets, mobile devices, personal digital assistants, and  
10 tablets that is duplicative of information that resides in a reasonably  
11 accessible data source;
  - 12 iii. instant messaging;
  - 13 iv. automatically saved versions of documents and emails;
  - 14 v. video and audio recordings;
  - 15 vi. deleted, slack, fragmented, or other data accessible only by forensics;
  - 16 vii. random access memory (RAM), temporary files, or other ephemeral data  
17 that are difficult to preserve without disabling the operating system;
  - 18 viii. on-line access data such as temporary internet files, history, cache, cookies,  
19 and the like;
  - 20 ix. dynamic fields of databases or log files that are not retained in the usual  
21 course of business; and
  - 22 x. data in metadata fields that are frequently updated automatically, such as  
23 last opened dates.
- 24 g. In addition to the agreements above, the parties agree data from these sources (a)  
25 could contain relevant information but (b) under the proportionality factors, should  
26 not be preserved: none.
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1 **5. SEARCH**

- 2 a. The parties agree that in responding to an initial Fed. R. Civ. P. 34 request, or  
3 earlier if appropriate, they will meet and confer about methods to search ESI in  
4 order to identify ESI that is subject to production in discovery and filter out ESI  
5 that is not subject to discovery.
- 6 b. Each party will use its best efforts to filter out common system files and application  
7 executable files by using a commercially reasonable hash identification process.  
8 Hash values that may be filtered out during this process are located in the National  
9 Software Reference Library (“NSRL”) NIST hash set list. Additional culling of  
10 system file types based on file extension may include, but are not limited to:  
11 WINNT, LOGS, DRVS, MP3, MP4, WAV, C++ Program File (c), C++ Builder 6  
12 (cpp), Channel Definition Format (cdf), Creatures Object Sources (cos), Dictionary  
13 file (dic), Executable (exe), Hypertext Cascading Style Sheet (css), JavaScript  
14 Source Code (js), Label Pro Data File (IPD), Office Data File (NICK), Office  
15 Profile Settings (ops), Outlook Rules Wizard File (rwz), Scrap Object, System File  
16 (dll), Temporary File (tmp), Windows Error Dump (dmp), Windows Media Player  
17 Skin Package (wmz), Windows NT/2000 Event View Log file (evt), Python Script  
18 files (.py, .pyc, .pud, .pyw), Program Installers.
- 19 c. Each party is required to produce only a single copy of a responsive document and  
20 each party may de-duplicate responsive ESI (based on MD5 or SHA-1 hash values  
21 at the document level) across custodians. For emails with attachments, the hash  
22 value is generated based on the parent/child document grouping. A party may also  
23 de-duplicate “near-duplicate” email threads as follows: In an email thread, only the  
24 final-in-time document need be produced, assuming that all previous emails in the  
25 thread are contained within the final message. Where a prior email contains an  
26 attachment, that email and attachment shall not be removed as a “near-duplicate.”  
27 To the extent that de-duplication through MD5 or SHA-1 hash values is not  
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1 possible, the parties shall meet and confer to discuss any other proposed method of  
2 de-deduplication.

- 3 d. No provision of this Order affects any inspection of source code that is responsive  
4 to a discovery request and will be made available consistent with the protective  
5 order governing this case.

6 **6. PRODUCTION FORMATS**

7 The parties agree to produce documents in the formats described in Appendix 1 to this  
8 Order. If particular documents warrant a different format, the parties will cooperate to arrange for  
9 the mutually acceptable production of such documents. The parties agree not to degrade the  
10 searchability of documents as part of the document production process.

11 **7. PHASING**

- 12 a. When a party propounds discovery requests pursuant to Fed. R. Civ. P. 34, the  
13 parties agree to phase the production of ESI.  
14 b. Defendant's initial production will be from the following sources and custodians:  
15 Internal Patent History Files, Sharepoint, Electronic Data Room, Poisson, Egan.  
16 c. Plaintiff's initial production will be from the following sources and custodians:  
17 Source Code for the Accused Functionality.

18 **8. DOCUMENTS PROTECTED FROM DISCOVERY**

- 19 a. Under Fed. R. Evid. 502(d), the production of a privileged or work-product-  
20 protected document, whether inadvertent or otherwise, is not a waiver of privilege  
21 or protection from discovery in this case or in any other federal or state proceeding.  
22 For example, the mere production of privileged or work-product-protected  
23 documents in this case as part of a mass production is not itself a waiver in this case  
24 or in any other federal or state proceeding. A producing party may assert privilege  
25 or protection over produced documents at any time by notifying the receiving party  
26 in writing of the assertion of privilege or protection. Information that contains  
27 privileged matter or attorney work product shall be returned immediately if such  
28 information appears on its face to have been inadvertently produced or if requested.

- 1 b. Parties to this action and their subsidiaries need not log privileged communications  
2 transmitted after October 31, 2013, or privileged documents created after October  
3 31, 2013. Communications may be identified on a privilege log by category, rather  
4 than individually, if appropriate.
- 5 c. Activities undertaken in compliance with the duty to preserve information are  
6 protected from discovery under Fed. R. Civ. P. 26(b)(3)(A) and (B).
- 7 d. Nothing in this Agreement shall be interpreted to require disclosure of irrelevant  
8 information or relevant information protected by the attorney-client privilege,  
9 work-product doctrine, or any other applicable privilege or immunity. The parties  
10 do not waive any objections to the production, discoverability, admissibility, or  
11 confidentiality of documents and ESI.

12 **9. MODIFICATION**

13 This Stipulated Order may be modified by a Stipulated Order of the parties or by the Court  
14 for good cause shown. Any such modified Stipulated Order will be titled sequentially as follows,  
15 “First Modified Stipulated Order re: Discovery of Electronically Stored Information for Standard  
16 Litigation,” and each modified Stipulated Order will supercede the previous Stipulated Order.

17 IT IS SO STIPULATED.

18 DATED: August 4, 2014      Respectfully submitted,

19 QUINN EMANUEL URQUHART & SULLIVAN, LLP

20 By /s Matthew S. Warren

21 Matthew S. Warren

22 *Attorneys for Google Inc.*

23 McKOOL SMITH HENNIGAN,P.C.

24 By /s Joshua W. Budwin

25 Joshua W. Budwin

26 *Attorneys for Rockstar Consortium US LP and*  
27 *MobileStar Technologies LLC*  
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**ATTESTATION**

I, Matthew S. Warren, am the ECF User whose userid and password authorized the filing of this document. Under Civil Local Rule 5-1(i)(3), I attest that Joshua W. Budwin has concurred in this filing.

DATED: August 4, 2014

/s Matthew S. Warren  
Matthew S. Warren

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**[PROPOSED] ORDER**

The Court having considered the stipulation of the parties, the Court orders that the parties' agreement is approved.

PURSUANT TO THE PARTIES' STIPULATION, IT IS SO ORDERED.

Dated: \_\_\_\_\_, 2014

\_\_\_\_\_  
Honorable Claudia Wilken  
United States District Judge



1 **APPENDIX 1**

2 **PRODUCTION FORMAT AND METADATA**

- 3 a. **Production Components.** Productions shall include, single page TIFFs, Text  
4 Files, an ASCII delimited metadata file (.txt, .dat, or .csv) and an image load file  
5 that can be loaded into commercially acceptable production software (e.g.,  
6 Concordance).
- 7 b. **Image Load File** shall contain the following comma-delimited fields:  
8 BEGBATES, VOLUME, IMAGE FILE PATH, DOCUMENT BREAK, FOLDER  
9 BREAK, BOX BREAK, PAGE COUNT.
- 10 c. **Metadata Fields and Metadata File.** Each of the metadata and coding fields set  
11 forth below that can be extracted shall be produced for each document. The parties  
12 are not obligated to populate manually any of the fields below if such fields cannot  
13 be extracted from a document, with the exception of the following: BEGBATES,  
14 ENDBATES, BEGATTACH, ENDATTACH, and CUSTODIAN. The metadata  
15 file shall be delimited according to the following characters:
- 16 • Delimiter = ¶ (ASCII:020)
  - 17 • Text-Qualifier = þ (ASCII:254)
  - 18 • New Line = ® (ASCII:174)
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Field Name	Field Description
BEBATES	Beginning Bates number as stamped on the production image
ENDBATES	Ending Bates number as stamped on the production image
BEGATTACH	First production Bates number of the first document in a family
ENDATTACH	Last production Bates number of the last document in a family
CUSTODIAN	Includes the Individual (Custodian) from whom the documents originated and all Individual(s) whose documents de-duplicated out (De-Duped Custodian).
SUBJECT	Subject line of email

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1	TITLE	Title from properties of document
2	DATESENT	Date email was sent (format: MM/DD/YYYY)
3	TO	All recipients that were included on the “To” line of the email
4	FROM	The name and email address of the sender of the email
5	CC	All recipients that were included on the “CC” line of the email
6	BCC	All recipients that were included on the “BCC” line of the email
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8	AUTHOR	Any value populated in the Author field of the document properties
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10	FILENAME	Filename of an electronic document (Edoc or attachment)
11	DATEMOD	Date an electronic document was last modified (format: MM/DD/YYYY) (Edoc or attachment)
12	DATECREATED	Date the document was created (format: MM/DD/YYYY) (Edoc or attachment)
13	NATIVELINK	Native File Link (Native Files only)

14 d. **TIFFs.** Documents that exist only in hard copy format shall be scanned and  
15 produced as TIFFs. Unless excepted below, documents that exist as ESI shall be  
16 converted and produced as TIFFs. Unless excepted below, single page Group IV  
17 TIFFs should be provided, at least 300 dots per inch (dpi) for all documents. Each  
18 TIFF image shall be named according to a unique corresponding Bates number  
19 associated with the document. Each image shall be branded according to the Bates  
20 number and the agreed upon confidentiality designation. Original document  
21 orientation should be maintained (i.e., portrait to portrait and landscape to  
22 landscape). TIFFs shall show all text and images that would be visible to a user of  
23 the hard copy documents. The parties will accommodate reasonable requests for  
24 production of specific images in color. The requesting party shall bear costs  
25 incurred for any such production over 100 pages per producing party. In scanning  
26 hard copy documents, distinct documents should not be merged into a single  
27 record, and single documents should not be split into multiple records (*i.e.*, hard  
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1 copy documents should be logically unitized). The parties will use reasonable  
2 efforts to unitize documents correctly.

3 e. **Text Files.** A single multi-page text file shall be provided for each document, and  
4 the filename should match its respective TIFF filename. A commercially  
5 acceptable technology for optical character recognition “OCR” shall be used for all  
6 scanned, hard copy documents. When possible, the text of native files should be  
7 extracted directly from the native file. Text files will not contain the redacted  
8 portions of the documents and OCR text files will be substituted instead of  
9 extracted text files for redacted documents.

10 f. **Image Load Files / Data Load Files.** Each TIFF in a production must be  
11 referenced in the corresponding image load file. The total number of documents  
12 referenced in a production’s data load file should match the total number of  
13 designated document breaks in the Image Load file(s) in the production. The total  
14 number of pages referenced in a production’s image load file should match the total  
15 number of TIFF files in the production. The total number of documents in a  
16 production should match the total number of records in the data load file.

17 g. **Bates Numbering.** All images must be assigned a unique Bates number that is  
18 sequential within a given document and across the production sets.

19 h. **Confidentiality Designation.** Responsive documents in TIFF format will be  
20 stamped with the appropriate confidentiality designations in accordance with the  
21 Protective Order in this matter. Each responsive document produced in native  
22 format will have its confidentiality designation identified in the filename of the  
23 native file.

24 i. **Redaction Of Information.** If documents are produced containing redacted  
25 information, an electronic copy of the original, unredacted data shall be securely  
26 preserved in such a manner so as to preserve without modification, alteration or  
27 addition the content of such data including any metadata therein.  
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- 1           j.       **Spreadsheets.** TIFF images of spreadsheets (MS Excel, Google Sheets) need not  
2                           be produced unless redacted, in which instance, spreadsheets shall be produced in  
3                           TIFF with OCR Text Files. Native copies of spreadsheets shall be produced with a  
4                           link in the NativeLink field, along with extracted text and applicable metadata  
5                           fields set forth in Paragraph 3. A TIFF placeholder indicating that the document  
6                           was provided in native format should accompany the database record. If a  
7                           spreadsheet has been redacted, TIFF images and OCR text of the redacted  
8                           document will suffice in lieu of a native file and extracted text. The parties will  
9                           make reasonable efforts to ensure that any spreadsheets that are produced only as  
10                          TIFF images are formatted so as to be readable.
- 11          k.       **Presentations.** The parties shall take reasonable efforts to process presentations  
12                          (MS PowerPoint, Google Presently) with hidden slides and speaker’s notes  
13                          unhidden, and to show both the slide and the speaker’s notes on the TIFF image.
- 14          l.       **Proprietary Files.** To the extent a response to discovery requires production of  
15                          ESI accessible only through proprietary software, the parties should continue to  
16                          preserve each version of such information. The parties shall meet and confer to  
17                          finalize the appropriate production format.
- 18          m.       **Request(s) for Additional Native Files.** If good cause exists to request production  
19                          of certain files, other than those specifically set forth above, in native format, the  
20                          party may request such production and provide an explanation of the need for  
21                          native file review, which request shall not unreasonably be denied. Any native files  
22                          that are produced shall be produced with a link in the NativeLink field, along with  
23                          extracted text and applicable metadata fields set forth in Paragraph 3. A TIFF  
24                          placeholder indicating that the document was provided in native format should  
25                          accompany the database record. If a file has been redacted, TIFF images and OCR  
26                          text of the redacted document will suffice in lieu of a native file and extracted text.
- 27          n.       **Production Media.** Documents shall be produced on external hard drives, readily  
28                          accessible computer(s) or other electronic media (“Production Media”). Each piece

1 of Production Media shall identify a production number corresponding to the  
2 production volume (e.g., “VOL001,” “VOL002”), as well as the volume of the  
3 material in that production (e.g. “-001,” “-002”). Each piece of Production Media  
4 shall also identify: (1) the producing party’s name; (2) the production date; (3) the  
5 Bates Number range of the materials contained on the Production Media; (4) the  
6 set(s) of requests for production for which the documents are being produced and  
7 (5) whether the media contains Protected Material under the Protective Order in  
8 this case. An inadvertent failure to identify whether the media contains Protected  
9 Material will not waive or otherwise change the protected status or confidentiality  
10 of the material.

- 11 o. **Production Correspondence.** When productions are made by FTP or email, the  
12 production cover letter shall include the production volume (e.g., “VOL001,”  
13 “VOL002”), as well as the volume of the material in that production (e.g. “-  
14 001,” “-002”). The production cover letter shall also include (1) the producing  
15 party’s name; (2) the production date; (3) the Bates Number range of the materials  
16 contained in the production; and (4) whether the production contains Protected  
17 Material under the Protective Order in this case. An inadvertent failure to include  
18 in the cover letter whether the production contains Protected Material will not  
19 waive or otherwise change the protected status or confidentiality of the material.  
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