AFFIDAVIT OF CHRISTOPHER BUTLER

1. I am the Office Manager at the Internet Archive, located in San Francisco, California. I make this declaration of my own personal knowledge.

2. The Internet Archive is a website that provides access to a digital library of Internet sites and other cultural artifacts in digital form. Like a paper library, we provide free access to researchers, historians, scholars, and the general public. The Internet Archive has partnered with and receives support from various institutions, including the Library of Congress.

3. The Internet Archive has created a service known as the Wayback Machine. The Wayback Machine makes it possible to surf more than 450 billion pages stored in the Internet Archive's web archive. Visitors to the Wayback Machine can search archives by URL (i.e., a website address). If archived records for a URL are available, the visitor will be presented with a list of available dates. The visitor may select one of those dates, and then begin surfing on an archived version of the Web. The links on the archived files, when served by the Wayback Machine, point to other archived files (whether HTML pages or images). If a visitor clicks on a link on an archived page, the Wayback Machine will serve the archived file with the closest available date to the page upon which the link appeared and was clicked.

4. The archived data made viewable and browseable by the Wayback Machine is compiled using software programs known as crawlers, which surf the Web and automatically store copies of web files, preserving these files as they exist at the point of time of capture.

5. The Internet Archive assigns a URL on its site to the archived files in the format http://web.archive.org/web/[Year in yyyy][Month in mm][Day in dd][Time code in hh:mm:ss]/[Archived URL]. Thus, the Internet Archive URL http://web.archive.org/web/19970126045828/http://www.archive.org/ would be the URL for the record of the Internet Archive home page HTML file (http://www.archive.org/) archived on January 26, 1997 at 4:58 a.m. and 28 seconds (1997/01/26 at 04:58:28). A web browser may be set such that a printout from it will display the URL of a web page in the printout's footer. The date assigned by the Internet Archive applies to the HTML file but not to image files linked therein. Thus images that appear on a page may not have been archived on the same date as the HTML file. Likewise, if a website is designed with "frames," the date assigned by the Internet Archive applies to the frameset as a whole, and not the individual pages within each frame.

6. Attached hereto as Exhibit A are true and accurate copies of printouts of the Internet Archive's records of the HTML files for the URLs and the dates specified in the footer of the printout.

7. Attached hereto as Exhibit B are true and accurate copies of printouts of screenshots of the Internet Archive's calendar pages, which display the dates for which archived captures are available for the URL specified in the attached coversheet for each printout.
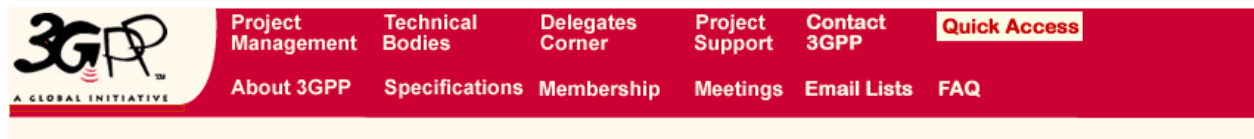
8. I declare under penalty of perjury that the foregoing is true and correct.

DATE: 1/26/16

Christopher Butler

Exhibit A

| 3GPP A GLOBAL INITIATIVE | Project Management | Technical Bodies | Delegates Corner | Project Support | Contact 3GPP | Quick Access |
| | About 3GPP | Specifications | Membership | Meetings | Email Lists | FAQ |

Advanced search of 3GPP site. [3GPP Search]

- Terms & Abbreviations
- Liaisons
- About 3GPP
- Project Management
- Technical Bodies
- Project Support
- 3GPP Work Plan & Release Description
- Specifications
- Membership of 3GPP
- Delegates Corner
- Meetings
- Email Lists
- Contact 3GPP
- FAQ

Shaping the future of mobile communication standards

News & info

- **2008-06-17: SA4#49 - election information**

- **2008-06-15: The latest TSG meeting highlights - CT/RAN/SA#40, GERAN#38**

- **2008-06-04: China TD-SCDMA Summit puts LTE on the agenda**

- **2008-05-29: Election for 1 Vice Chairman to be held in RAN2#62bis**

- **2008-04-30:** New page documenting **working agreements.**

- **2008-04-29: Voting list for SA4#49.**

- **2008-04-29:** Recruitment of a **Project Manager for the ETSI Centre for Testing and Interoperability** to support the 3GPP community (Sophia Antipolis, FR)

- **2008-04-11:** News Release - **Beyond 3G: "LTE-Advanced" Workshop**, Shenzhen, China

- **2008-04-01:** At meeting number #42 CT5 decided to recommend that it be closed down and its remaining work transferred to OMA

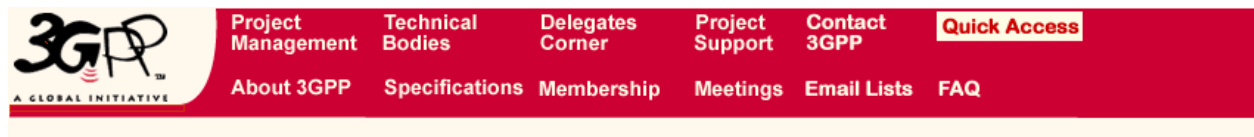- **2008-01-05: Mapping table from NGN (fixed network) standards on core IMS from ETSI TISPAN to 3GPP**

Other News:

- **New email account** for Liaison Statements to 3GPP TSG/WG, 3GPPLiaison@etsi.org
- **UTRA-UTRAN Long Term Evolution and System Architecture Evolution**
  What does the future hold for 3GPP technologies?
- **Downloadable iCalendar** files for each future meetings. See the last column of (for example) the **TSG SA WG1 meetings page:** click on ICS to have the meeting registered as an appointment in your personal calendar (eg MS Outlook). *(Each TSG and WG has a dedicated web page, accessible from the 3GPP structure page. To see meetings information, use the link top right of the table on the TSG/WG page.)*
- **3GPP IETF Dependencies and Priorities**
- **Results of 3GPP Satisfaction survey 2006**
- **3GPP Support for Conferences**

Click here for access to the 3GPP ftp site

Last update:
2008-06-17

Legal notice

3GPP A GLOBAL INITIATIVE

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3GPP Specifications - Numbering scheme

Spec download | Titles and spec numbers | Current version | Releases | Numbering scheme | Change Requests
Published specifications | Historical information | Work plan | TSG Working methods | Drafting rules | Delegates corner| ASN.1

All 3G and GSM specifications have a 3GPP specification number consisting of 4 or 5 digits. (e.g. 09.02 or 29.002). The first two digits define the series as listed in the table below. They are followed by **2** further digits for the 01 to 13 series or **3** further digits for the 21 to 55 series. The term "3G" means a 3GPP system using a UTRAN radio access network; the term "GSM" means a 3GPP system using a GERAN radio access network. (Thus "GSM" includes GPRS and EDGE features.)

The full title, specification number and latest version number for every specification can be found in the current status list [**warning: large file!**] (see also main specs page for status lists pertaining to each TSG SA meeting) and more information about terms such as R99 and Rel-4 can be found on the Releases and phases page.

A specification in the 21 to 35 series may apply either to 3G only or to GSM *and* 3G. A clue lies in the third digit, where a "0" indicates that it applies to both systems. For example, 29.002 applies to 3G and GSM systems whereas 25.101 and 25.201 apply only to 3G. Most specs in all other series apply only to GSM systems. However, as the spec numbering space has been used up, this guide is frequently broken, and it is necessary to examine the information page for each spec (see the table below) or to check the lists in 01.01 / 41.101 (GSM) and 21.101 (3G) for the definitive specification sets for each system and each Release.

Subject of specification series	3G/GSM R99 and later	GSM only (Rel-4 and later)	GSM only (before Rel-4)
General information *(long defunct)*			00 series
Requirements	21 series	41 series	01 series
Service aspects ("stage 1")	22 series	42 series	02 series
Technical realization ("stage 2")	23 series	43 series	03 series
Signalling protocols ("stage 3") - user equipment to network	24 series	44 series	04 series
Radio aspects	25 series	45 series	05 series
CODECs	26 series	46 series	06 series
Data	27 series	47 series (none exists)	07 series
Signalling protocols ("stage 3") -(RSS-CN)	28 series	48 series	08 series
Signalling protocols ("stage 3") - intra-fixed-network	29 series	49 series	09 series
Programme management	30 series	50 series	10 series
Subscriber Identity Module (SIM / USIM), IC Cards. Test specs.	31 series	51 series	11 series
OAM&P and Charging	32 series	52 series	12 series
Access requirements and test specifications		13 series (1)	13 series (1)
Security aspects	33 series	(2)	(2)
UE and (U)SIM test specifications	34 series	(2)	*11 series*
Security algorithms (3)	35 series	55 series	(4)
Evolved UTRA aspects	36 series	-	-

Note (1): The 13 series GSM specifications relate to European-Union-specific regulatory standards. On the closure of ETSI TC SMG, responsibility for these specifications was transferred to ETSI TC MSG, (Mobile Specification Group) and they do not appear on the 3GPP file server.

Note (2): The specifications of these aspects are spread throughout several series.

Note (3): Algorithms may be subject to export licensing conditions. See the relevant 3GPP page. See also the relevant ETSI pages.

Note (4): The original GSM algorithms are not published and are controlled by the GSM Association.

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