archive.org

AFFIDAVIT OF TANYA ZEIF

1. I am a Records Request Processor at the Internet Archive. 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 browse 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 display of available dates. The visitor may select one of those dates, and begin browsing an archived version of the Web. Links on archived files in the Wayback Machine point to other archived files (whether HTML pages or other file types), if any are found for the URL indicated by a given link. For instance, the Wayback Machine is designed such that when a visitor clicks on a hyperlink on an archived page that points to another URL, the visitor will be served the archived file found for the hyperlink's URL with the closest available date to the initial file containing the hyperlink.

4. The archived data made viewable and browseable by the Wayback Machine is obtained by use of web archiving software that automatically stores copies of files available via the Internet, each file preserved as it existed at a particular point in time.

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] aka an "extended URL". Thus, the extended 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). The date indicated by an extended URL applies to a preserved instance of a file for a given URL, but not necessarily to any other files linked therein. Thus, in the case of a page constituted by a primary HTML file and other separate files (e.g., files with images, audio, multimedia, design elements, or other embedded content) linked within that primary HTML file, the primary HTML file and the other files will each have their own respective extended URLs and may not have been archived on the same dates.

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6. Attached hereto as Exhibit A are true and accurate copies of browser screenshots of the Internet Archive's records of the archived files for the URLs and the dates specified in the attached coversheet of each screenshot.

7. I declare under penalty of perjury under the laws of the United States of America that the foregoing is true and correct.

DATE: 01/22/2025

Tanya Zeif

Tanya Zeif

Please see attached All Purpose Jurat form for additional Notary Events

EXHIBIT A

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INTERNET ARCHIVE WaybackMachine
https://en.wikipedia.org/wiki/Nokia_N93 Go
73 captures
5 Jul 2006 - 19 Dec 2024
SEP OCT FEB
15
2006 2007 2009
About this capture

Nokia N93

From Wikipedia, the free encyclopedia

The **Nokia N93** is a smartphone by Nokia especially designed for multimedia use. It was introduced in April 2006 and released in July 2006.

The N93 has improved camera capabilities compared with the earlier N90. The phone has a 3.2 megapixel camera, Carl Zeiss optics and 3x optical zoom as well as a 30 fps VGA-resolution MPEG-4 video recording capability. It was the most advanced camera phone from Nokia at the time of its release.

Nokia N93

Manufacturer	Nokia
Available	2006
Screen	320 x 240 pixels; 262,144 colors
Camera	3.2 Megapixels
Operating system	Symbian OS v9.2, S60 3rd Edition, Feature Pack 1
Input	Keypad
Memory	50MB
Memory card	MiniSD
Networks	HSCSD, UMTS,Quad band GSM / GPRS / EDGE, GSM 850, GSM 900, GSM 1800, GSM 1900
Connectivity	Bluetooth 2.0, Infrared, Wi-Fi 802.11b/g, USB 2.0
Battery	Li-Po 1100 mAh (BP-6M)
Physical size	118 x 55.5 x 28.2 mm
Weight	180g

Contents [hide]

1 Features
2 Availability
3 Versions
4 Popular culture
5 Reviews
6 External links

Features [edit]

- DVD-like video capture at 30 frames per second in the MPEG-4 format at VGA resolution[1]
- 3.2 MP camera with Carl Zeiss Vario Tessar optics and flash[1][2][3]
- 320 x 240 pixels, up to 262,144 colors 2.4" display[2]
- 3 times optical zoom / 20 times digital zoom[3]
- direct TV out connectivity[1]
- easy video creation and burning to DVD with Adobe Premiere Elements 2.0[1]
- digital image stabilization[3]
- close up mode[3]
- Visual Radio
- up to 50MB internal, 2GB mini SD card storage - 90 minutes of "DVD-like" video[3]
- Infrared and Bluetooth
- WLAN (b and g), 3G (WCDMA 2100 MHz), EDGE and GSM (900/1800/1900 MHz) networks[3][4]
- Java MIDP 2.0[2]
- Symbian application support[2]
- UPnP (Universal Plug and Play) support[4]
- Comes standard with a full Web browser
- Fully HW accelerated PowerVR 3D graphics from Imagination Technologies (including OpenGL ES 1.1 and M3G, see JBenchmark)
- Push to Talk over Cellular (PoC)

Availability [edit]

The N93 started shipping on July 24th, 2006.

Versions [edit]

As well as coming in 2 colours, pearl black and silver, there will also be a Nokia N93 Golf Edition which is preloaded with Pro Session Golf software to help improve golf skills.Also there was a Mission: Impossible III edition which included a memory card preloaded with the movie and also a Mission: Impossible III theme.[5]

Popular culture [edit]

- In the skateboarding game Tony Hawks Project 8, the phone the player uses is a Nokia N93, and also one of the messages the player gets throughout the game is an advertisement for the golf instructional video.
- Musician Rob Dickinson shot the entire video for his single "Oceans" on a Nokia N93. [1]
- In The Bourne Ultimatum, the CIA agents looking for Bourne use Nokia N93s throughout the movie, holding them alongside their handguns, and with a real time video link to the CIA coordination room.

Reviews [edit]

- All About Symbian N93 Review (part 1) - Covers multimedia aspects of the phone
- All About Symbian N93 Review (part 2) - Covers smartphone aspects, and summary
- All About Symbian N90 vs N93
- Mobile-review N93 review
- N93 reviews and specifications round up

External links [edit]

1. ^ a b c d Series 60 website
2. ^ a b c d nseries.com
3. ^ a b c d e f Lets Go Digital
4. ^ a b Nokia N93 Data Sheet
5. ^ Nokia golf edition

- Online copy of the N93 Manual (PDF)
- Nokia Nseries Social Media - N93 resource
- N Series Talk Nokia N Series Forums and Community
- More on the graphics technology inside the N 93 and N95

v · d · e	Nokia phones [hide]
1series	1100 · 1110 · 1600
2series	2110i · 2115i · 2650 · 2651

3series	3100/3105 · 3110 · 3110 classic · 3155 · 3200 · 3210 · 3220 · 3230 · 3250 · 3310 · 3410 · 3510/3590/3595 · 3600/3620/3650/3660
5series	5110 · 5140 · 5140i · 5200 · 5210 · 5300 · 5500 · 5510 · 5700
6series	6010 · 6020/6021 · 6030 · 6070 · 6110/6120 · 6110 Navigator · 6111 · 6120 classic · 6131/6133 · 6136 · 6170 · 6230 · 6233 · 6255i · 6256i · 6260 · 6265 · 6270 · 6275i · 6280/6288 · 6290 · 6300 · 6315i · 6500 classic · 6600 · 6610i · 6620 · 6630 · 6650 · 6670 · 6680 · 6681/6682 · 6800 · 6810 · 6820
7series	7110 · 7160 · 7250 · 7280 · 7360 · 7380 · 7390 · 7500 · 7600 · 7610 · 7650 · 7700 · 7710 · 7900
8series	8110 · 8210 · 8600 Luna · 8800 · 8850
9series	9000/9110 · 9210/9290 · 9300/i · 9500
Eseries	E50 · E51 · E60 · E61/i · E62 · E65 · E70 · E90
Nseries	N70 · N71 · N72 · N73 · N75 · N76 · N77 · N80 · N81 · N90 · N91 · N92 · **N93** · N93i · N95
Other	770 Internet Tablet · N800 Internet Tablet · 888 · N-Gage · Vertu luxury phones

Categories: Nokia mobile phones | Smartphones | UPnP Devices | Cellular Device

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4,923 captures
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Shaping the future of mobile communication standards

News & info

- **2007-01-02:** First-ever 3G & Mobile Broadband User Experience Interoperability Event (23rd - 26th January, 2007, Sophia Antipolis, ETSI Headquarters)
  A usable and accessible 3G and mobile broadband environment is of high priority to all stakeholders, in order to enable better usability of our information and communication infrastructures, enabling the creation of a true Information Society. Participation in this user-experience-focused event, co-sponsored by the European Commission, EFTA, ETSI and its Members, is free of charge. - more >> - **Important**: registration deadline is 2007-01-08.
- **2007-01-02:** TSG / WG meeting (TDoc) contribution lists available in HTML. For example, on the meeting list for WG CT4 (available via that WG's home page which is itself reached by clicking on that WG's box on the 3GPP TSG organization page), click on the asterisk to the right of the TDoc number range against meeting C4-31 to see the list of contributions to that meeting. Each TDoc is hyperlinked to its file in the meeting directory. **Note: TDoc list pages are not yet available for all meetings; we are updating these as fast as possible, so please be patient, and do not report broken links!**
- **2006-12-21: Election for officials of SA2 to be held in January (update)**
- **2006-12-05: Voting list for SA1#35**
- **TSG#34 Highlights**
- **2006-11-28: Results of 3GPP Satisfaction survey 2006**
- **2006-11-17: You look younger than ever – 20 years of GSM: A seminar to commemorate the decisions taken in February 1987 in Madeira**
- **2006-11-10:** Google search engine added on the main page
- **2006-11-06: Election for Chairman of SA1 to be held in January**
- **2006-05-02: 300 delegates attend 3GPP Beijing workshop ; click here for workshop presentations**
- 2006-04-24: Revised **3GPP Working Procedures** as approved by **PCG#16**
- 2006-04-24: **PCG#16** welcomes **MobileIGNITE** as eighth 3GPP **Market Representation Partner**
- 2006-04-21: **list of Features by Release, with descriptions**
- **3GPP-endorsed conferences**
- **UTRA-UTRAN Long Term Evolution and System Architecture Evolution**
  What does the future hold for 3GPP technolgies?
- 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**
- **What is UMTS? (overview of the content of Releases 99 to 5)**

Click here for access to the 3GPP ftp site

Last update:
2007-01-04 (twice)

Legal notice

https://web.archive.org/web/20070107095943/http:/www.3gpp.org/specs/specs.htm

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2006 2007 2008
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3GPP Specifications Home Page

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

Quick link to the specifications file server area (http) for those who know where they are going!

To find a particular spec quickly, go here and click on the links in the spec-series in the table or use the links in the "further information" section.

The term "***3GPP specification***" covers all **GSM** (including **GPRS** and **EDGE**) and **W-CDMA** specifications. The following terms are also used to describe networks using the 3G specifications: **UTRAN**, **UMTS** (in Europe) and **FOMA** (in Japan). Revised versions of many of these specifications are produced up to four times a year following the quarterly TSG plenary meetings. (TSG GERAN meets five times a year.) See the table below which gives links to lists of specifications arising from each plenary TSG meeting since the freezing of Release 1999. The month of the meeting and the meeting number are shown in each case. Note that **the tables show only those specifications newly approved or modified at the meeting concerned**; they do *not* contain a complete list of all specifications current following the meeting. For such a list, consult the "status list" - see below.

Following each TSG SA plenary meeting, a complete set of specifications is produced. This set includes not only the new specifications generated at that meeting, but also the latest versions of each specification that was not changed at that meeting. i.e. each directory holds a complete set of specifications. Each set has an associated **status list** as detailed in the table below. Each set (and corresponding status list) includes the specs arising from the TSG GERAN meetings held since the preceding SA meeting. (GERAN meets asynchronously from the other TSGs.)

The **Status List** (ZIPped RTF or Word format) summarizes the current version number for every release of every 3GPP specification following each TSG plenary meeting. Also listed for each specifications are:

- the 3GPP working group and rapporteur responsible for the specification
- the Project Manager in MCC (Mobile Competence Centre) responsible for the specification
- the meeting at which it was, or is expected to be, "frozen" (i.e. the point after which only corrections are allowed)

Full details of the Specifications, their history and current status can be found in the 3GPP Specifications Status database.

year-month	remark	latest status	specs directory	TSG CN meeting number	TSG RAN meeting number (RANnew after #27)	TSG T meeting number	TSG SA meeting number	TSG GERAN meeting number	TSG CT meeting number
2006-12	GERAN#32 specs have no separate delta directory since meeting was just before other TSGs#34.	StatusList	ftp://ftp.3gpp.org/specs/2006-12		34		34	32	34
2006-09	GERAN#31 specs have no separate delta directory since meeting was just before other TSGs#33.	StatusList	ftp://ftp.3gpp.org/specs/2006-09		33		33	31	33
2006-06			ftp://ftp.3gpp.org/specs/2006-06-geran-mtg-30-delta/					30	
2006-06		StatusList	ftp://ftp.3gpp.org/specs/2006-06		32		32		32
2006-04			ftp://ftp.3gpp.org/specs/2006-04-geran-mtg-29-delta/					29	
2006-03		StatusList	ftp://ftp.3gpp.org/specs/2006-03		31		31		31
2006-01			ftp://ftp.3gpp.org/specs/2006-01-geran-mtg-28-delta/					28	
2005-12		StatusList	ftp://ftp.3gpp.org/specs/2005-12		30		30		30
2005-11			ftp://ftp.3gpp.org/specs/2005-11-geran-mtg-27-delta/					27	
2005-09		StatusList	ftp://ftp.3gpp.org/specs/2005-09		29		29		29
2005-08/09			ftp://ftp.3gpp.org/specs/2005-09-geran-mtg-26-delta/					26	
2005-06			ftp://ftp.3gpp.org/specs/2005-06-geran-mtg-25-delta/					25	
2005-06		StatusList	ftp://ftp.3gpp.org/specs/2005-06		28		28		28
2005-04			ftp://ftp.3gpp.org/specs/2005-04-geran-mtg-24-delta/					24	
2005-03	RAN closed and RANnew opened. CN and T closed. CT opened.	StatusList	ftp://ftp.3gpp.org/specs/2005-03	27	27bis 27	27	27		27
2005-01			ftp://ftp.3gpp.org/specs/2005-01-geran-mtg-23-delta/					23	
2004-12		StatusList	ftp://ftp.3gpp.org/specs/2004-12	26	26	26	26		
2004-11			ftp://ftp.3gpp.org/specs/2004-11-geran-mtg-22-delta/					22	
2004-09		StatusList	ftp://ftp.3gpp.org/specs/2004-09/	25	25	25	25		
2004-08			ftp://ftp.3gpp.org/specs/2004-08-geran-mtg-21-delta/					21	

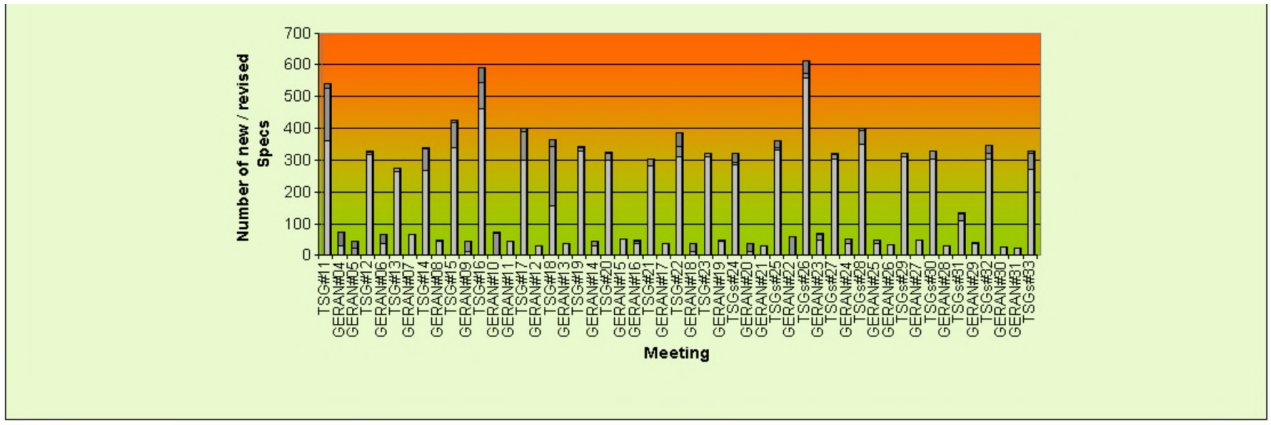
2004-06			ftp://ftp.3gpp.org/specs/2004-06-geran-mtg-20-delta/					20	
2004-06		StatusList	ftp://ftp.3gpp.org/specs/2004-06/	24	24	24	24		
2004-04			ftp://ftp.3gpp.org/specs/2004-04-geran-mtg-19-delta/					19	
2004-03		StatusList	ftp://ftp.3gpp.org/specs/2004-03/	23	23	23	23		
2004-02			ftp://ftp.3gpp.org/specs/2004-02-geran-mtg-18-delta					18	
2003-12		StatusList	ftp://ftp.3gpp.org/specs/2003-12/	22	22	22	22		
2003-11			ftp://ftp.3gpp.org/specs/2003-11-geran-mtg-17-delta					17	
2003-09		StatusList	ftp://ftp.3gpp.org/specs/2003-09/	21	21	21	21		
2003-09			ftp://ftp.3gpp.org/specs/2003-09-geran-mtg-16-delta					16	
2003-06			ftp://ftp.3gpp.org/specs/2003-06-geran-mtg-15-delta					15	
2003-06		StatusList	ftp://ftp.3gpp.org/specs/2003-06/	20	20	20	20		
2003-04			ftp://ftp.3gpp.org/specs/2003-04-geran-mtg-14-delta					14	
2003-02		StatusList	ftp://ftp.3gpp.org/specs/2003-03/	19	19	19	19		
2003-02			ftp://ftp.3gpp.org/specs/2003-02-geran-mtg-13-delta					13	
2002-12 2002-11		StatusList	ftp://ftp.3gpp.org/specs/2002-12/	18	18	18	18	12	
2002-09		StatusList	ftp://ftp.3gpp.org/specs/2002-09/	17	17	17	17	11	
2002-06	Rel-5 GERAN features content functionally frozen		ftp://ftp.3gpp.org/specs/2002-06-geran-mtg-10-delta/					10	
2002-06	Rel-5 features content functionally frozen (remainder, non-GERAN)	StatusList	ftp://ftp.3gpp.org/specs/2002-06/	16	16	16	16		
2002-04			ftp://ftp.3gpp.org/specs/2002-04-geran-mtg-09-delta/					9	
2002-03	Rel-5 features content functionally frozen (part)	StatusList	ftp://ftp.3gpp.org/specs/2002-03/	15	15	15	15		
2002-02								8	
2001-12		StatusList	ftp://ftp.3gpp.org/specs/2001-12/	14	14	14	14		
2001-11								7	
2001-09		StatusList	ftp://ftp.3gpp.org/specs/2001-09/	13	13	13	13		
2001-08								6	
2001-06		StatusList	ftp://ftp.3gpp.org/specs/2001-06/	12	12	12	12	5	
2001-06	Rel-4 GERAN features content functionally frozen							4	
2001-03	Rel-4 non-GERAN features content functionally frozen	StatusList	ftp://ftp.3gpp.org/specs/2001-03/	11	11	11	11		
2001-01								3	
2000-12 2000-11		StatusList	ftp://ftp.3gpp.org/specs/2000-12/	10	10	10	10	2	
2000-11									
2000-09		StatusList	ftp://ftp.3gpp.org/specs/2000-09/	9	9	9	9	1	
2000-06		StatusList	ftp://ftp.3gpp.org/specs/2000-06/	8	8	8	8		
2000-03				7	7	7	7		
1999-12	R99 features content functionally frozen			6	6	6	6		
1999-10				5	5	5	5		
1999-06					4	4	4		
1999-05				4					
1999-04				3	3	3	3		
1999-03				2	2	2	2		
1998-12				1	1	1	1		

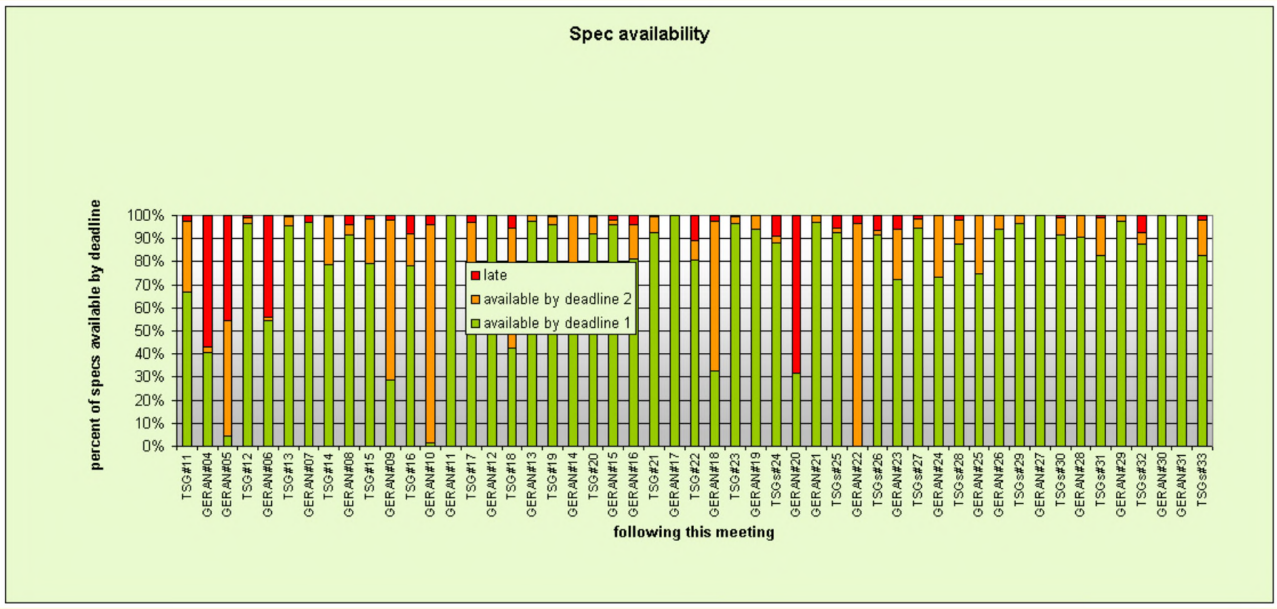
If you plan to download a large number of specifications and are using MS Explorer 4.0 or earlier, it may be worthwhile acquiring an FTP client software tool such as:

- Ipswitch WS_FTP Pro® : This general purpose file transfer program simplifies the process of downloading large numbers of files from an FTP site.
- FTPSync®: This tool allow the user to specify a directory on their local disk and synchronize it with a directory on an FTP site.

For additional information relating to 3GPP Specifications, their creation and maintenance, etc, go here.

Number of new / revised Specs arising from meeting





This page maintained by Specifications Manager.

last updated:

2006-12-08: TSGs#34 (GERAN#32) added, charts updated
2006-09-13 (2): Other TSGs#33 added on same line.
2006-09-13: GP-31 added.
2006-07-06: GP-30 added.
2006-06-12: TSGs#32 added, charts updated
2006-05-02: GP-29 added
2006-03-20: TSGs#31 added
2006-01-23: GP-28 added
2006-01-17: charts updated
2005-12-15: hyperlinks to status lists fixed
2005-12-12: TSGs#30 added
2005-11-15: GP-27 added
2005-10-03: RP-29, CP-29, SP-29 added
2005-09-18: GP-26 misprint corrected
2005-09-06: GP-26 added.
2005-06-28: GP-25 added.
2005-06-13: Hyperlinks for TSGs#28 added
2005-04-28: Charts updated.
2005-04-21: GP-24 directory included.
2005-04-19: Hyperlink for GP-24 list added.
2005-04-04: All TSG links changed as to point to auto pages.
2005-04-01: Links for TSGs#27 changed to point to experimental pages automatically generated from status database rather than manually maintained pages.
2005-03-29: early TSG meeting entries added; GERAN#24 and other TSGs#28 entries added (no hyperlinks); column for TSG CT added
2005-03-21: TSGs#27 added, charts updated
2005-02-01: GERAN#23 added
2005-01-26: broken link to chart fixed
2005-01-19: charts updated
2004-12-23: TSGs#25 added
2004-11-19: GERAN#22 added
2004-11-03: charts updated
2004-09-28: TSGs#25 added, link to 2004-06 status list corrected.
2004-09-01: GERAN#21 added
2004-08-02: Spec availability chart updated.
2004-07-01: GERAN#20 added
2004-06-18: TSGs 24 added
2004-05-07: GP-19 added; clarifications to introductory text above the table of meetings.
2004-04-14: Specs delivery chart updated.
2004-03-26: minor errors in hyperlinks fixed.
2004-03-22: table entry for TSGs 23 added.
2004-02-18: table entry for GP-18 added.
2004-01-27: chart of spec delivery added.
2004-01-05: table entry for TSGs 22 added.
2003-12-03: table entry for GP-17 added.

2003-10-21: "further information" section moved to the "numbering" page.
2003-09-26: table entries for GP-16 and other TSGs 'P-21 added
2003-08-18: broken link repaired, links to cited spec pages made relative.
2003-07-02: typo corrected
2003-06-26: Further GERAN#15 info added; minor cosmetic improvements to text; hyperlinks for identified specs are now to their info page, not their archive storage directory
2003-06-23 - CN, RAN, T, SA #20 info and preliminary GERAN#15 info added
2003-04-25 - GERAN#14 info added
2003-04-24 - quick link to spec series table page added near top; from this it is possible to get to lists of specs in each series, and thence to details of the individual specs.
2003-03-25 - table entry for TSGs#19 added
2003-02-24 - table entry for GERAN#13 added
2003-01-13 - link to CR trends page added.
2002-12-15 - TSGs#18 (GERAN#12) line added; quick link to specs file at top of page added.
2002-10-18 - reference to 3GPP Specifications Status database added.

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1,069 captures
7 Apr 2000 - 2 Dec 2024

www.3gpp.org - /ftp/Specs/

[To Parent Directory]

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  19 August 2003    07:25        <dir> 1999-06
  19 August 2003    06:53        <dir> 1999-10
  18 August 2003    11:50        <dir> 1999-12
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    25 June 2003    16:14        <dir> 2000-06
    25 June 2003    16:30        <dir> 2000-09
    25 June 2003    17:31        <dir> 2000-12
    25 June 2003    20:12        <dir> 2001-03
 15 November 2001   14:05        <dir> 2001-06
04 September 2001   08:40        <dir> 2001-08-geran-mtg-06-delta
 15 November 2001   14:10        <dir> 2001-09
  03 January 2002   10:54        <dir> 2001-12
 19 February 2002   11:58        <dir> 2002-02-geran-mtg-08-delta
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What is *Bluetooth* wireless technology? How does it work? The answers to all your questions are here in varying levels of detail to meet everyone's needs. The information ranges from high-level overviews of the short-range wireless technology to detailed specification documents.

Read about *Bluetooth* technology benefits to the consumer as well as the enterprise. Better understand how *Bluetooth* technology works. Compare *Bluetooth* wireless technology to other similar short-range wireless technologies. Dig deeper into the specifications to fully comprehend the various levels of *Bluetooth* technology from the baseband to profile and application levels.

Educate yourself on how to keep your *Bluetooth* devices secure. Use the glossary as a reference as you run across new *Bluetooth* terminology. Consider this your *Bluetooth* classroom and explore.

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Bluetooth Technology

The foundation of *Bluetooth* wireless technology is composed of the adopted specifications that are utilized and developed by the Bluetooth SIG's global membership as guidelines for producing interoperable products. The *Bluetooth* specifications are categorized as the core specification, profiles, protocols, and transports.

The *Bluetooth* core specification describes the protocol stack up through the L2CAP layer and the characteristics of each of the relevant protocols, as well as the relationship between them.

Above the *Bluetooth* core specification are a set of protocols that have been defined for use by one or more profiles.

Profile specifications define a set of features required to support a particular usage model or set of usage models. A profile specification document describes how to use the protocol stack to implement a given profile.

Transport specifications define physical interfaces that can be used to implement the Host Controller Interface (HCI). The HCI transports are used in products that choose to separate the implementation of the Host and Controller functions.

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Specification Documents

Bluetooth Technical Specification documents are made available in Adobe Acrobat format (PDF). For proper viewing, you must use Adobe Acrobat version 6.0 or higher. This software can be downloaded here at no cost. Files over 2MB in size are compressed in .ZIP file format.

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Bluetooth Core Specifications	Publish Date
Core Specification v2.0 + EDR	10-Nov-2004
Volume 4: HCI Transports	01-Jan-2006

Bluetooth Profile Specifications	Publish Date
Advanced Audio Distribution Profile	04-Jun-2003
Audio/Video Remote Control Profile	04-Jun-2003
Basic Imaging Profile (BIP)	25-Jul-2003
Basic Printing Profile (BPP)	10-Feb-2004
Common ISDN Access Profile (CIP)	16-Nov-2002
Cordless Telephony Profile (CTP)	22-Feb-2001
Dial-Up Networking Profile (DUN)	22-Feb-2001
Fax Profile (FAX)	22-Feb-2001
File Transfer Profile (FTP)	22-Feb-2001
Generic Audio/Video Distribution Profile	24-May-2003
Generic Object Exchange Profile (GOEP)	22-Feb-2001
Hands-Free Profile 1.5 (HFP 1.5)	25-Nov-2005
Hands-Free Profile (HFP)	29-Apr-2003

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The foregoing instrument was subscribed and sworn before me this date of 01/22/2025, by Tanya Zeif

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(Notary Seal)

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LUCIA JAZMIN VELAZQUEZ
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COMISSION EXP: MAR 23, 2026

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Commission Expiration Date: March 23, 2026

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