

Code	Short Name	Rev.	Standard Title	Supported Standard Version	Min. ACQUA Ver.	Date YY-MM
6788	C.S0056	2	3GPP2 Electro-Acoustic Recommended Minimum Performance Specification for cdma2000 Mobile Stations	03/2013	3.1.200	13-05
6793	CAT-IQ 1.0	1	CAT-IQ 1.0, CAT-IQ Feature Requirements, Wideband NG-DECT Terminals	Profile 1.8 Oct. 2007	2.3.300	11-10
6794	CAT-IQ 2.0	2 SP2	CAT-IQ 2.0, Testspecification Audio for CAT-iq 2.0 Devices, Wideband NG-DECT Terminals	V1.16 Dec. 2010	2.5.100	11-04
6781	CTIA	1	CTIA, Test Plan for CDMA Mobile Stations, Acoustical Performance AMPS/CDMA (TDMA)	V.3.1 Jul. 1998	1.2.400*	12-10
60036	CTIA-2014	1	CTIA "Speech Performance Test Plan"	11/2014	3.2.200	15-02
60013	DTAG-mobile NB	1	DTAG Requirements and VoiceQuality Test Conditions v1.2, Narrowband Part	Mar. 2011	3.1.100	12-08
60004	EG 202 518	1	ETSI EG 202 518, Maximum Levels and Test Methodology	V1.3.1 (01/2010)	3.0.100	11-05
6745	EIA/TIA-470B	1	EIA/TIA-470 B Transmission Characteristics (North America), Analog Phones	Nov. 1995	3.1.100	13-05
6789	EN 50332	4 SP1	EN 50332, Sound system equipment: Headphones and earphones associated with personal music players. Maximum sound pressure level measurement methodology. Maximum Sound Pressure Measurement Headphone and Portable Audio Equipment	Mar. 2000, Oct. 2003	3.0.110	12-07
6789	EN 50332	6	EN 50332, Sound system equipment: Headphones and earphones associated with personal music players. Maximum sound pressure level measurement methodology. Maximum Sound Pressure Measurement Headphone and Portable Audio Equipment. Based on EN 50332-1 (2013) and EN 50332-2 (2013)	2013	4.0.040	18-08
6789	EN 50332	7	EN 50332, Sound system equipment: Headphones and earphones associated with personal music players. Maximum sound pressure level measurement methodology. Maximum Sound Pressure Measurement Headphone and Portable Audio Equipment. Based on EN 50332-1 (2013), EN 50332-2 (2013) and EN 50332-3 (2017)	2013, 2013, 2017	4.1.100	19-05
60033	ES 202 718	1SP1	ETSI ES 202 718, Speech and multimedia Transmission Quality (STQ); Transmission Requirements for IP-based Narrowband and Wideband Home and Network Media Gateways from a QoS Perspective as Perceived by the User	V1.2.6 (05/2017)	3.5.200 + Upd. 1	18-03
6795	ES 202 737/38	4	ETSI ES 202 737 / ES 202 738, Speech and multimedia Transmission Quality (STQ); Transmission requirements for narrowband VoIP terminals (handset and headset + loudspeaking and handsfree ) from a QoS perspective as perceived by the user; Narrowband IP Phones	V1.7.1 (09/2017) V1.7.1 (09/2017)	3.5.200 + Upd. 1	17-12
6796	ES 202 739/40	4	ETSI ES 202 739 / ES 202 740, Speech and multimedia Transmission Quality (STQ); Transmission requirements for wideband VoIP terminals (handset and headset + loudspeaking and handsfree terminals) from a QoS perspective as perceived by the user; Wideband IP Phones	V1.7.1 (09/2017) V1.7.1 (09/2017)	3.5.200 + Upd. 1	18-01
6782 / 6847	ES 203 021	1	ETSI ES 203 021, Access and Terminals (AT); Harmonized basic attachment requirements for Terminals for connection to analogue interfaces of the Telephone Networks; Update of the technical contents of TBR 021, EN 301 437, TBR 015, TBR 017; Part 2: Basic transmission and Protection of the network from harm; Basic Attachment Requirements for Analog Terminals (available as Standard Only / as ACOPT 22 incl. Hardware)	V2.1.2 (2006-01)	2.3.300	08-02
6741	ES 203 038	2 SP2	ETSI ES 203038, Speech and multimedia Transmission Quality (STQ); Requirements and tests methods for terminal equipment incorporating a handset when connected to the analogue interface of the PSTN ETSI ES 203 038, Analog Phones (former TBR 38)	1.1.1. (04/2009)	2.4.200	11-10
6712	ETS 300 245-3	-	ETS 300-245 Part 3, Digital Hands-Free Telephones		*	96-06
6707	ETS 300 778-1	2	ETSI ETS 300 778-1, Public Switched Telephone Network (PSTN); Protocol over the local loop for display and related services; Terminal Equipment requirements; Part 1: Off-line data transmission; CLIP according to Standard ETS 300 778-1 (requires ACOPT 11)	June 1997	2.0.100	98-12
6791	FCC 68.316/7	1	Connection of Terminal Equipment to the Telephone Network; Hearing Aid Compatibility, Technical Requirements, FCC 47 CFR CH.1 § 68.316/7	FCC 47 Oct. 2005	2.4.200	11-10
6751	FZ TSEC	2	Technical Specification EC Deutsche Telekom AG, Network Speech Echo Cancellers		1.1.310*	03-02
6779	FZ TSEC-L	2	Technical Specification EC Deutsche Telekom AG, Network Speech Echo Cancellers incl. Limits		1.1.310*	03-02
6722	G.165	-	ITU-T G.165, General Characteristics of international Telephone Connections and international Telephone Circuits, ITU-T G.165, Network Speech Echo Cancellers		*	97-06
6750	G.168	9	ITU-T G.168, SERIES G: TRANSMISSION SYSTEMS AND MEDIA, DIGITAL SYSTEMS AND NETWORKS International telephone connections and circuits – Apparatus associated with long-distance telephone circuits; Digital network echo canceller	02/2012	3.1.100	13-01
6744	GBT I	3	GBT/T 15279-94 Specification of automatic telephone set (China), Analog Phones		2.3.100	99-04
60030	GOST_33468_NB	4	GOST 33468 (ERA-GLONASS), Emergency Call (eCall) Devices, Narrowband Part, based on Interstate Standard GOST 33468-2015	2016	4.0.100	19-06
60032	GOST 33468-WB	2 SP1	Interstate Standard GOST 33468-2015, ROAD ACCIDENT EMERGENCY RESPONSE SYSTEM	2015	4.0.050	18-10
60018	GSMA HD-Voice	3	GSMA HD Voice Logo Minimum Requirements for Mobile Terminals and Networks	03/2017	3.5.200 + Upd. 1	18-01
60046	GSMA HD Voice+	1	GSMA HD Voice+ Logo Minimum Requirements for Mobile Devices, 60018 & 60028 required	03/2017	3.5.200 + Upd. 1	17-12
60021	HAC-Suite	2	Hearing Aid Compatibility Test Suite acc. to FCC 68.316/317 (2012-10), ITU P.370 (1996-08), TIA-1083 (2015-10) , ANSI C63.19 (2011-05), ETSI ETS 200 381-1 (2012-10)		3.5.100	17-05
60051	HQS-Audio	1	HEAD acoustics Quality Standard, Electroacoustic Tests of Audio Devices	-	4.0.050	18-08
60052	HQS-AudioBasic	1	HEAD acoustics Quality Standard, Basic Electroacoustic Tests of Loudspeakers	-	4.0.050	18-08
60001	HQS-Bluetooth-Source	1	HEAD acoustics Quality Standard, Bluetooth Source Devices	-	2.5.100	11-02
60055	HQS-CarQuickCheck	1	HEAD acoustics Quality Standard, HQS-CarQuickCheck	-	4.0.050	18-09
6773	HQS-EA	2	HEAD acoustics Quality Standard, Electroacoustic Tests	-	1.2.300*	11-05
6774	HQS-EC	1	HEAD acoustics Quality Standard, Speech Echo Cancellers	-	1.1.310*	03-02
60003	HQS-Fax-IP	1	HEAD acoustics Quality Standard, FAX Testing for VoIP systems	-	2.5.100	10-11
6775	HQS-HA	1	HEAD acoustics Quality Standard, Hearing Aids	-	1.2.100*	03-06
6766	HQS-HFT-GE	2	HEAD acoustics Quality Standard, GSM Hands-Free	-	3.1.300	14-05
60015	HQS-ICC	1 SP1	HEAD acoustics Quality Standard, In-Car Communication	-	3.3.300	16-11
6769	HQS-IP	3 SP1	HEAD acoustics Quality Standard, VoIP Terminals & Gateways	-	3.0.110	11-12
6786	HQS-IP-gateway	3 SP1	HEAD acoustics Quality Standard, VoIP Gateways	-	3.0.110	12-01
6787	HQS-IP-phones	3 SP1	HEAD acoustics Quality Standard, VoIP Terminals	-	3.0.110	12-01
60012	HQS-mobile-additions-II	1	Extension of HQS-Mobile-II w/o VFTST-Audio-NB, 60011 required	-	3.0.110	11-09

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60011	HQS-mobile-II	1	HEAD acoustics Quality Standard, Mobile Phones w/o VFTST-Audio-NB	-	3.0.110	11-09
6784	HQS-MP3	1	HEAD acoustics Quality Standard, MP3 and other Wideband Audio Compression	-	2.3.300	08-07
60054	HQS-SmartHome	3	HEAD acoustics Quality Standard, Smart Home Devices	-	4.1.100	19-03
60026	MS Teams	4	Microsoft Teams Audio Test Specification	April 2019 V4.0	4.0.200	19-08
6797	P.1100	6	ITU-T P.1100, SERIES P: TELEPHONE TRANSMISSION QUALITY, TELEPHONE INSTALLATIONS, LOCAL LINE NETWORKS, Communications involving vehicles, Narrow-band hands-free communication in motor vehicles	Jan. 2019	4.0.200	19-07
6798	P.1110	4	ITU-T P.1110, SERIES P: TELEPHONE TRANSMISSION QUALITY, TELEPHONE INSTALLATIONS, LOCAL LINE NETWORKS, Communications involving vehicles, Wideband hands-free communication in motor vehicles	Jan. 2019	4.0.200	19-07
60043	P.1120	1	ITU-T P.1120, SERIES P: TELEPHONE TRANSMISSION QUALITY, TELEPHONE INSTALLATIONS, LOCAL LINE NETWORKS, Communications involving vehicles, Super-WideBand (SWB) and FullBand (FB) hands-free communication in motor vehicles	Mar. 2017	3.5.200 + Upd. 1	17-11
60038	P.1140-NB	2	ITU-T P.1140, SERIES P: TERMINALS AND SUBJECTIVE AND OBJECTIVE ASSESSMENT METHODS Communications involving vehicles Speech communication requirements for emergency calls originating from vehicles	Mar. 2017	3.5.200 + Upd. 1	17-10
60005	P.381	2	ITU-T P.381, Technical requirements and test methods for the universal wired headset or headphone interface of digital mobile terminals	03/2017	3.5.200 + Upd. 1	18-01
60000	Skype-AS	3	Skype Hardware Certification Specification Audio Requirements for Computer Accessories V.8.3 and Skype SDK-based Audio Devices V.8.3	V.8.3	3.1.200	13-02
60039	Softbank AAQR	1	SoftBank Operator Terminal Requirements, Audio and Acoustic Quality Requirements, OTR-MA-AUD-SPEC-20151009	Oct. 2015 V6.0.4	3.4.100	16-05
6711	TBR 10	4	ETSI TBR 10, Digital Enhanced Cordless Telecommunications (DECT); General terminal attachment requirements; Telephony applications	ed. 3 Jul. 1999	2.5.100	10-06
6721	TBR 8	5	ETSI TBR 8, Integrated Services Digital Network (ISDN); Telephony 3,1 kHz teleservice; Attachment requirements for handset terminals, ISDN Phones	ed. 2 Oct. 1998	2.0.100	11-10
6772	TIA-810	6SP1	EIA/TIA-810 Telecommunications Telephone Terminal Equipment Transmission Requirements for Narrowband Digital Telephones, (North America), Digital & VoIP Terminals	Nov. 2006 IEEE 1329-2010 IEEE 269a-2012	3.5.200 + Upd. 1	18-04
6783	TIA-920	4 SP1	EIA/TIA-920 Telecommunications Telephone Terminal Equipment, Transmission Requirements for Wideband Digital Wireline Telephones with Handset, Speakerphone and Headset (North America), Wideband Digital- and VoIP Terminals	TIA-920-A Nov. 2012	3.1.300	13-11
60041	TIA-920.110-B	1SP1	ANSI/TIA-920.110-B, Digital Interface Communications Devices with Handsets	October 2015	3.5.200	18-11
60047	TIA-920.120-B	1	ANSI/TIA-920.120-B, Digital Interface Communications Devices with Speakerphones	February 2017	4.0.040	18-07
60049	TIA-920.130-B	1SP2	ANSI/TIA-920.130-B, Digital Interface Communications Devices with Headsets	July 2019	4.1.100	19-07
60035	TS 102924-925	2	Speech and multimedia Transmission Quality (STQ); Transmission requirements for Super-Wideband / Fullband handset and headset / handsfree and conferencing terminals from a QoS perspective as perceived by the user	TS 102 924 V1.2.1 (03/2018) and TS 102 925 V1.1.1 (03/2013)	3.5.200 + Upd. 1	18-07
60019	TS 103 737/38	3	ETSI TS 103 737 / TS 103 738, Speech and multimedia Transmission Quality (STQ); Transmission requirements for narrowband wireless terminals (handset and headset and handsfree) from a QoS perspective as perceived by the user	V1.3.1 Oct. 2018	4.0.200	19-07
60020	TS 103 739/40	3	ETSI TS 103 739 / TS 103 740, Speech and multimedia Transmission Quality (STQ); Transmission requirements for wideband wireless terminals (handset and headset and handsfree) from a QoS perspective as perceived by the user	V1.3.1 Oct. 2018	4.0.200	19-07
6777	TS 26131-32	4 GCF PTCRB SP2	3GPP TS 26.131 / 132, 3rd Generation Partnership Project; Technical Specification Group Services and System Aspects; Terminal acoustic characteristics for telephony; Requirements (Release 9) / Speech and video telephony terminal acoustic test specification (Release 9)	V9.3.0/ 9.2.0 Release 9 Mar. 2010	2.5.100	11-09
6777	TS 26131-32	5 GCF PTCRB SP1	3GPP TS 26.131 / 132, 3rd Generation Partnership Project; Technical Specification Group Services and System Aspects; Terminal acoustic characteristics for telephony; Requirements (Release 10) / Speech and video telephony terminal acoustic test specification (Release 10)	V10.2.0/ 10.1.0 Release 10 Jun. 2011	3.0.110	12-07
6777	TS 26131-32	6	3GPP TS 26.131 / 132, 3rd Generation Partnership Project; Technical Specification Group Services and System Aspects; Terminal acoustic characteristics for telephony; Requirements (Release 11) / Speech and video telephony terminal acoustic test specification (Release 11)	V11.0.0 Release 11 Sep. 2012	3.1.200	12-12
6777	TS 26131-32	7 GCF PTCRB SP5	3GPP TS 26.131 / 132, 3rd Generation Partnership Project; Technical Specification Group Services and System Aspects; Terminal acoustic characteristics for telephony; Requirements (Release 11) / Speech and video telephony terminal acoustic test specification (Release 11)	V11.2.0/11.3.0 Release 11 June 2013	3.3.200	15-11
6777	TS 26131-32	9 GCF PTCRB SP1	3GPP TS 26.131 / 132, 3rd Generation Partnership Project; Technical Specification Group Services and System Aspects; Terminal acoustic characteristics for telephony; Requirements (Release 12) / Speech and video telephony terminal acoustic test specification (Release 12)	V12.4.0/12.6.0 Release June 2015	3.3.300	16-01
6777	TS 26131-32	10 SP2	3GPP TS 26.131 / 132, 3rd Generation Partnership Project; Technical Specification Group Services and System Aspects; Terminal acoustic characteristics for telephony; Requirements (Release 13) / Speech and video telephony terminal acoustic test specification (Release 13)	V13.3.0/13.3.0 Release June 2016	3.4.100	17-09
6777	TS 26131-32	11	3GPP TS 26.131 / 132, 3rd Generation Partnership Project; Technical Specification Group Services and System Aspects; Terminal acoustic characteristics for telephony; Requirements (Release 14) / Speech and video telephony terminal acoustic test specification (Release 14)	V14.1.0/14.1.0 Release June 2017	4.0.100	18-04
6777	TS 26131-32	12SP2	3GPP TS 26.131 / 132, 3rd Generation Partnership Project; Technical Specification Group Services and System Aspects; Terminal acoustic characteristics for telephony; Requirements (Release 15) / Speech and video telephony terminal acoustic test specification (Release 15)	V15.1.0/15.1.0 Release Sept. 2018	4.0.100	19-06
6742	TS 51.010-1	8	3GPP TS 51.010-1 (former GSM 11.10), 3rd Generation Partnership Project; Technical Specification Group GSM/EDGE Radio Access Network Digital cellular telecommunications system (Phase 2+); Mobile Station (MS) conformance specification; Part 1: Conformance specification (Release 9); GSM Mobile Handsets	3GPP TS 51.010-1 V13.5.0 Release 13 Sep. 2017	3.5.200 + Upd. 1	18-04
60014	UG DTAG-mobile	1 SP1	"Deutsche Telekom" Standard, Mobile Phones, Wideband Extension (60013 required)	Sep. 2011	3.1.100	12-08

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60044	UG P.1140-WB	1	ITU-T P.1140, SERIES P: TERMINALS AND SUBJECTIVE AND OBJECTIVE ASSESSMENT METHODS Communications involving vehicles Speech communication requirements for emergency calls originating from vehicles, Wideband Extension, 60038 required	Mar. 2017	3.5.200 + Upd. 1	17-10
60028	UG TS 26 SWB/FB	4 SP1	3GPP TS 26.131 / 132, 3rd Generation Partnership Project; Technical Specification Group Services and System Aspects; Terminal acoustic characteristics for telephony; Requirements (Release 15) / Speech and video telephony terminal acoustic test specification (Release 15)	V15.1.0/15.1.0 Release Sept. 2018	4.0.100	19-06
60010	UG VFTST-Audio-WB	2 SP1	Vodafone Spec.: Acoustical Quality Evaluation of Terminals, Wideband Extension, 60009 required	V3.0 2013	3.2.100	14-08
6770	VDA-HFT-GE	4 SP3	VDA-Specification, Car Hands-free Terminals	1.6 Nov. 2008	3.1.300	13-10
60009	VFTST-Audio-NB	2 SP1	Vodafone Spec.: Global Test Specification for Terminals for Performance Measurements (Performance TST); Acoustical Quality Evaluation of Terminals, Narrowband Part	V3.0 2013	3.2.100	14-08

\* Standard can be imported into ACQUA (recommended ACQUA version: 1.2.100 or later)  
*Note: For standard upgrades, the ACQUA version of the target standard is required as listed above.*

Latest version:

[http://www.head-acoustics.de/downloads/eng/acqua/Available ACQUA Standards.pdf](http://www.head-acoustics.de/downloads/eng/acqua/Available_ACQUA_Standards.pdf)