

## Appendix D

### Technical Standards Addendum

This 26 June 2015 addendum is replacing the Unified Capabilities Reference Architecture, Appendix D and contains current, emerging and non-DISR standards.

#### D-1. Standards Profile (StdV-1)

*Table 1. Mandated Technical Standards Profile for COE version 3*

Standard ID	Standard Title	Profile	Status	Service Area
IETF RFC 2782	A DNS RR for specifying the location of services (DNS SRV), February 2000	GTP043 - XMPP IM/Chat Federation	M	Platform Communications Services
IETF RFC 5246	The Transport Layer Security (TLS) Protocol, Version 1.2, August 2008	GTP043 - XMPP IM/Chat Federation	M	Security Protocols
IETF RFC 6120	Extensible Messaging and Presence Protocol (XMPP): Core, March 2011	GTP043 - XMPP IM/Chat Federation	M	Multimedia Processing
IETF RFC 6121	Extensible Messaging and Presence Protocol (XMPP): Instant Messaging and Presence, March 2011	GTP043 - XMPP IM/Chat Federation	M	Multimedia Processing
IETF RFC 6122	Extensible Messaging and Presence Protocol (XMPP): Address Format, March 2011	GTP043 - XMPP IM/Chat Federation	M	Multimedia Processing
IETF RFC 3312	Integration of Resource Management and Session Initiation Protocol (SIP), October 2002	Unified Messaging	M	Audio Data Interchange
IETF RFC 4244	An Extension to the Session Initiation Protocol (SIP) for Request History Information, November 2005	Unified Messaging	M	Multimedia Processing

Addendum-1

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<b>Standard ID</b>	<b>Standard Title</b>	<b>Profile</b>	<b>Status</b>	<b>Service Area</b>
IETF RFC 5806	Diversion Indication in SIP, March 2010	Unified Messaging	A	Multimedia Processing
IETF SIMPLE	SIP for Instant Messaging and Presence Leveraging Extensions (SIMPLE)	Unified Messaging	M	Audio Data Interchange
XEP-0082	XMPP Date and Time Profiles, 28 May 2003	Unified Messaging	A	Multimedia Processing
IETF RFC 3984	RTP Payload Format for H.264 Video, February 2005	Video Teleconferencing	M	Video Teleconferencing
IETF RFC 4566	SDP: Session Description Protocol, July 2006	Video Teleconferencing	M	Video Teleconferencing
IETF RFC 4568	Session Description Protocol (SDP) Security Descriptions for Media Streams, July 2006	Video Teleconferencing	M	Video Teleconferencing
IETF RFC 4573	MIME Type Registration for RTP Payload Format for H.224, July 2006	Video Teleconferencing	M	Video Teleconferencing
IETF RFC 4582	The Binary Floor Control Protocol (BFCP), November 2006	Video Teleconferencing	M	Video Teleconferencing
IETF RFC 4583	Session Description Protocol (SDP) Format for Binary Floor Control Protocol (BFCP) Streams, November 2006	Video Teleconferencing	M	Video Teleconferencing
IETF RFC 4585	Extended RTP Profile for Real-time Transport Control Protocol (RTCP)-Based Feedback (RTP/AVPF), July 2006	Video Teleconferencing	M	Video Teleconferencing

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<b>Standard ID</b>	<b>Standard Title</b>	<b>Profile</b>	<b>Status</b>	<b>Service Area</b>
IETF RFC 4796	The Session Description Protocol (SDP) Content Attribute, February 2007	Video Teleconferencing	M	Video Teleconferencing
IETF RFC 5104	Codec Control Messages in the RTP Audio-Visual Profile with Feedback (AVPF), February 2008	Video Teleconferencing	M	Video Teleconferencing
ITU-T G.711	Pulse Code Modulation (PCM) of Voice Frequencies, November 1988	Video Teleconferencing	M	Video Teleconferencing
ITU-T G.722.1:2005	Low-complexity coding at 24 and 32 kbit/s for hands-free operation in systems with low frame loss, May 2005	Video Teleconferencing	M	Video Teleconferencing
ITU-T G.728	Coding of Speech at 16 kbits/s using Low-Delay Code Excited Linear Prediction (LD-CELP)., September 1992	Video Teleconferencing	M	Video Teleconferencing
ITU-T H.323 (07/2003)	Packet-based multimedia communications systems, July 2003	Video Teleconferencing	M	Video Teleconferencing
IETF RFC 3261	Session Initiation Protocol (SIP), June 2002	Voice & Video over Internet Protocol (VVoIP)	M	Network Technologies
IETF RFC 3264	An Offer/Answer Model with the Session Description Protocol (SDP), June 2002	Voice & Video over Internet Protocol (VVoIP)	M	Network Technologies

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<b>Standard ID</b>	<b>Standard Title</b>	<b>Profile</b>	<b>Status</b>	<b>Service Area</b>
IETF RFC 3265	Session Initiation Protocol (SIP)-Specific Event Notification, June 2002	Voice & Video over Internet Protocol (VVoIP)	M	Network Technologies
IETF RFC 3311	The Session Initiation Protocol (SIP) UPDATE Method, September 2002	Voice & Video over Internet Protocol (VVoIP)	M	Network Technologies
IETF RFC 3550	RTP: A Transfer Protocol for Real-Time Applications, July 2003	Voice & Video over Internet Protocol (VVoIP)	M	Network Technologies
IETF RFC 3711	The Secure Real-Time Transport Protocol (SRTP), March 2004	Voice & Video over Internet Protocol (VVoIP)	M	Network Technologies
IETF RFC 3840	Indicating User Agent Capabilities in the Session Initiation Protocol (SIP), August 2004	Voice & Video over Internet Protocol (VVoIP)	M	Network Technologies
IETF RFC 3890	A transport Independent Bandwidth Modifier for the Session Description Protocol (SDP), September 2004	Voice & Video over Internet Protocol (VVoIP)	M	Multimedia Processing
IETF RFC 3891	The Session Initiation Protocol (SIP) "Replaces" Header, September 2004	Voice & Video over Internet Protocol (VVoIP)	M	Transport-Oriented (quality of service)
IETF RFC 3966	The tel URI for Telephone Numbers, Internet proposed standard RFC 3966, December 2004	Voice & Video over Internet Protocol (VVoIP)	M	

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<b>Standard ID</b>	<b>Standard Title</b>	<b>Profile</b>	<b>Status</b>	<b>Service Area</b>
IETF RFC 4733	RTP Payload for DTMF Digits, Telephony Tones, and Telephony Signals, December 2006	Voice & Video over Internet Protocol (VVoIP)	M	Network Technologies
IETF RFC 4904	Representing Trunk Groups in tel/sip Uniform Resource Identifiers (URIs), June 2007	Voice & Video over Internet Protocol (VVoIP)	M	Network Technologies
IETF RFC 5341	The Internet Assigned Number Authority (IANA) tel Uniform Resource Identifier (URI) Parameter Registry, September 2008	Voice & Video over Internet Protocol (VVoIP)	M	
IETF RFC 5626	Managing Client-Initiated Connections in the Session Initiation Protocol (SIP), October 2009	Voice & Video over Internet Protocol (VVoIP)	M	Multimedia Processing
IETF RFC 5954	Essential Correction for IPv6 ABNF and URI Comparison in RFC 3261, August 2010	Voice & Video over Internet Protocol (VVoIP)	M	Multimedia Processing
ITU-T P.862	Perceptual Evaluation of Speech Quality (PESQ), An Objective Method for End-to-End Speech Quality Assessment of Narrowband Telephone Networks and Speech Codecs, February 2002	Voice & Video over Internet Protocol (VVoIP)	M	Audio Data Interchange

**D-2. Standards Forecast (StdV-2)***Table 2. Emerging Technical Standards Profile for COE version 3*

<b>Standard ID</b>	<b>Standard Title</b>	<b>Profile</b>	<b>Status</b>	<b>Service Area</b>
IETF RFC 4422	Simple Authentication and Security Layer (SASL), June 2006	GTP043 - XMPP IM/Chat Federation	E	Authentication
IETF RFC 3893	Session Initiation Protocol (SIP) Authenticated Identity Body (AIB) Format, September 2004	Voice & Video over Internet Protocol (VVoIP)	E	Multimedia Processing

**D-3. Non-DISR Standards**

Not applicable.