

TEST 8005 Multiple PLP CTI

Red indicates major parameters of interest

Red background indicates parameter unable to be met with current devices

Number	8005
Mnemonic	P17S1
VV	
Reference	VV8005-P17S1
Notes	MPLP, CTI

Payload Parameters○ **LLS**

Group Id 1,2
Group Count -1 1

SLT		all required attributes: @bsid, @serviceId, @sltSvcSeqNum, @serviceCategory
RRT		
STT		@currentUtcOffset, @utcLocalOffset
AEAT		-
OnScreenMessageNotificadion		-
SMT		-
UserDefined		-
Reserved		-
○ SLS		All SLS fragments are contained in a metadataEnvelope per RFC 2387 in an LCT channel using an Extended FDT Instance with TOI = '0' to reference SLS fragments OR and EFDT element embedded in SrcFlow element. TOI values in the E-FDT shall follow LCT Header filters in Annex C.
USBD		relative base URL
DASH MPD		single period
S-TSID		media on separate ROUTE sessions
APD		No
HELD		No
DWD		No
RSAT		No
MMT MPU		-
MMT mmt_atsc3_message		-
MMT video stream properties descriptor		-
MMT atsc staggercast descriptor		-
MMT audio stream properties descriptor		-
MMT caption asst descriptor		-
MMT DRM		-
MMT Signed message		-
MMT content advisory ratings		-
○ Delivery		
Transport Session		Source Flow
Mode		File
EFDT		Instance in TOI '0'
LCT Header Codepoint		128
FEC Payload ID		start_offset
LCT Extension Header		EXT_TOL
Service Guide		OMA BCAST SG, Sec 5.4.2 with Service Group 1 SGDD in LCT channel in PLP0 OMA BCAST SG, Sec 5.4.2 with Service Group 2 SGDD in LCT channel in PLP1
SGDD/SGDUÅ		Service Fragment with elements in A/332 Table 5.1 Name and Description elements extensions in A/332 Table 5.2 Schedule FragmentÅ with elements in A/332 Table 5.6 Content Fragment with elements in A/332 Table 5.7
Broadcaster Application		-
○ DASH-IF		
XML NameSpace		urn:mpeg:dash:schema:mpd:2011
@availabilityStartTime		1970-01-01T00:00:00Z (UnixEpoch)
@availabilityTimeOffset		
@timeShift BufferDepth		
@minBufferTime		PT2S
@minimumUpdatePeriod		PT0S

@profiles		urn:mpeg:dash:profile:isoff-broadcast:2015 (ISO BMFF Broadcast TV Profile), http://dashif.org/guidelines/dash-atsc-main
@publishTime		yes
@suggestedPresentationDelay		PT1.500S
MPD@type		dynamic
@schemaLocation		urn:mpeg:dash:schema:mpd:2011 dash-mpd.xsd
Period		single
Period start		current UTC wallclock - UnixEpoch
AdaptationSet		single Representation per AdaptationSet
Random access type		closed
DASH segments		\$Number\$
@contentType="video"		Table 2
Ratings		
Supplemental Property		
Supplemental Descriptor		
@contentType="audio"		Table 6 & 7
Supplemental Property		
Accessibility (Audio Descriptor)		@schemeldUri="urn:mpeg:dash:role:2011" value="enhanced-audio-intelligibility"
@contentType="text"		W3C TTML IMSC1 Text Profile
@codecs		stpp.ttml.im1t
Accessibility (Captions)		@schemeldUri="urn:mpeg:dash:role:2011", @value="caption"
Role		@schemeldUri="urn:mpeg:dash:role:2011", @value="subtitle"
Supplemental Property		@schemeldUri="http://dashif.org/guidelines/dash-atsc-closedcaption", @value="ar:16-9"
HTTP Headers		lowercase
DRM		
Content Replacement		
Schema		
A/331		ATSC-META-1.0-20190122.xsd ATSC-FDT-1.0-20170920.xsd SYSTIME-1.0-20170921.xsd S-TSID-1.0-20190208.xsd SLT-1.0-20210312.xsd ROUTEUSD-1.0-20170920.xsd
A/332		SA-1.0-20210312.xsd, RRT-1.0-20210128.xsd
A/360		-
PHY		
Number of PLPs		2 (PLP0 & PLP1)
Physical Layer Frame Length		155 msec
Number of Symbols		86
FFT Size		16K
PLP Size		PLP0: 512400 cells PLP1: 512400 cells
Bandwidth Use		
Preamble Modes		Basic: 3 / Detail: 3
Preamble Pilot Dx		Dx = 4
Guard Interval		G6 1536
Pilot Boost		0
Scattered Pilot Pattern		SP 4_2
Constellation Size		PLP0: 256 QAM PLP1: 256 QAM
LDPC Frame Length		PLP0: 64800 bits PLP1: 64800 bits
Code Rate		PLP0: 9/15 PLP1: 9/15
Outer Code		PLP0: BCH PLP1: BCH
Time Interleaver		CTI PLP0: 1024 cells PLP1: 1024 cells
Frequency Interleaver		On
Approximate Yielded Bitrate		PLP0: 10.75 Mbps PLP1: 10.75 Mbps
Approximate C/N		PLP0: 15.5 dB Gaussian PLP1: 15.5 dB Gaussian
pcaps		