

INTERNATIONAL STANDARD



**Consumer terminal function for access to IPTV and open internet multimedia services –
Part 4-1: Protocols**



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CONTENTS

FOREWORD.....	14
INTRODUCTION.....	16
1 Scope.....	17
2 Normative references	17
3 Terms, definitions and abbreviations	22
3.1 Terms and definitions.....	22
3.2 Abbreviated terms.....	23
4 Interface definitions	23
4.1 Consumer network to provider network interfaces (UNI).....	23
4.2 Provider network reference points description.....	25
4.3 Interfaces to external systems, consumer network	28
5 Structure of this document.....	28
6 HTTP.....	29
6.1 HTTP reference points	29
6.2 IG as a protocol converter supporting the HNI-IGI interface – HTTP option.....	30
6.3 Protocols for IPTV service functions.....	30
6.3.1 Multicast content streaming with SIP session management protocol over HNI-IGI – HTTP option.....	30
6.3.2 Unicast content streaming with SIP session management.....	42
6.3.3 Forced play-out control with SIP session management – Protocol for forced play-out control over HNI-IGI	50
6.3.4 Content download.....	50
6.3.5 Purchase of digital media service using SIP	50
6.3.6 Pay per view multicast content service with SIP session management protocol over HNI-IGI – HTTP option	57
6.3.7 Parental control for content using SIP.....	58
6.3.8 Network-based user notification services	66
6.3.9 Content bookmarking.....	69
6.3.10 Local PVR service using SIP	77
6.3.11 Network PVR (nPVR) using SIP.....	82
6.3.12 Personalised channel	84
6.3.13 Session transfer with SIP session management.....	85
6.4 Protocol for service access and control functions.....	92
6.4.1 Service provider discovery.....	92
6.4.2 Service discovery	97
6.4.3 Service access	97
6.4.4 Subscription profile management and usage.....	98
6.4.5 Remote management.....	103
6.4.6 User registration and network authentication	108
6.5 Protocols for communications functions using SIP	119
6.5.1 CallerID	119
6.5.2 Instant messaging Procedure for instant messaging on HGI-INI – HTTP option	121
6.5.3 IM session (chat using MSRP)	123
6.5.4 Presence	134
6.5.5 Content sharing	139
6.6 Protocols system infrastructure functions OITF-IG interface (HNI-IGI).....	149

6.6.1	HNI-IGI message types.....	149
6.6.2	HNI-IGI messages in the OITF to IG direction – HTTP option	150
6.6.3	HNI-IGI messages in the IG to OITF direction – HTTP option	152
6.6.4	HNI-IGI PENDING_IG message – HTTP option.....	153
6.6.5	HNI-IGI SIP message – HTTP option	154
6.6.6	HNI-IGI auxiliary message	154
6.6.7	HNI-IGI message body – HTTP option	155
6.6.8	Guidelines for applications using the HNI-IGI interface – HTTP option.....	155
6.6.9	Error recovery in the IG – HTTP option	155
6.7	Protocols for content preparation	156
6.7.1	Reference points NPI-45, NPI-46, NPI-CSPT3 and NPI-CSPG3.....	156
6.7.2	XML schema for content preparation	176
7	SIP and SIP/SDP.....	181
7.1	General.....	181
7.2	SIP/SDP reference points within the provider network.....	182
7.2.1	General	182
7.2.2	Generic handling for SIP requests/responses	182
7.2.3	Protocols for IPTV service functions	182
7.2.4	Protocols for service access and control functions	204
7.2.5	Protocols for communication services using SIP CallerID Procedures for caller ID on UNIS-8.....	206
7.3	SIP/SDP reference points within the residential network	208
7.3.1	General	208
7.3.2	IG as a B2BUA	208
7.3.3	Protocols for IPTV service functions	209
7.3.4	Protocols for service access and control functions	220
7.3.5	Protocols for communication services using SIP	224
8	RTSP	235
8.1	General.....	235
8.2	Protocols for IPTV service functions.....	236
8.2.1	Use of RTSP for unicast content streaming services.....	236
8.2.2	Use of RTSP for forced play-out control RTSP for managed model over UNIS-11 and NPI-10	243
8.2.3	Use of RTSP for network PVR (nPVR)	244
8.2.4	Use of RTSP for personalized channel	244
8.2.5	Content streaming post-session transfer.....	245
8.3	Protocols for service access and control Performance monitoring over UNIT-18	245
9	IGMP and multicast protocol.....	248
9.1	General.....	248
9.2	Protocols for IPTV service functions.....	249
9.2.1	Multicast content streaming service on UNIS-13	249
9.2.2	Pay-per-view multicast content service with SIP session management	249
9.2.3	nPVR Protocol over NPI-40	249
9.2.4	Network-generated notification service	249
9.2.5	Emergency notification service	250
9.3	Protocols for service access and control functions	250
9.3.1	Service discovery and Content Selection	250
9.3.2	Remote management – protocol over UNI-RMS.....	250

9.4	Protocols for system infrastructure functions – interactive application delivery – protocol over UNIS-6 and UNIS-12	250
10	RTP/RTCP.....	251
10.1	General.....	251
10.2	Protocols for IPTV service functions.....	251
10.2.1	Multicast content streaming service	251
10.2.2	Unicast content streaming service	251
10.2.3	nPVR Protocol over NPI-41	251
10.3	Service access and control – Performance monitoring over UNIT-18	251
10.4	Application-layer forward error correction.....	252
10.5	Application-layer retransmission (RET)	252
10.5.1	General	252
10.5.2	Protocol over UNIT-17	252
10.5.3	Protocol over UNIT-18	253
10.6	Fast channel change (FCC)	253
10.6.1	General	253
10.6.2	Protocol over UNIT-17	253
10.6.3	Protocol over UNIT-18	253
10.7	Protocols for multimedia telephony services – protocol over UNIT-17	253
10.7.1	General	253
10.7.2	RTP payload formats for video streams	253
10.7.3	RTP payload formats for audio streams	253
11	UPnP protocols for system infrastructure functions – UPnP discovery	254
11.1	General.....	254
11.2	Procedure for IG discovery	254
11.2.1	Discovery sequence	254
11.2.2	urn:oipf-org:device:ig:1 device definitions	254
11.2.3	IG description	254
11.3	Procedure for AG discovery	257
11.3.1	Discovery sequence	257
11.3.2	urn:oipf-org:device:ag:1 device definitions	257
11.3.3	AG description.....	257
11.4	Procedure for CSPG-DTCP discovery	258
11.4.1	Discovery sequence	258
11.4.2	urn:oipf-org:device:cspg-dtcp:1 device definitions.....	258
11.4.3	CSPG-DTCP description.....	259
11.5	Procedure for OITF discovery	260
11.5.1	Discovery sequence	260
11.5.2	OITF description.....	260
12	DLNA function	260
13	DHCP	260
13.1	General.....	260
13.2	Protocols for system infrastructure functions – network attachment.....	261
13.2.1	General	261
13.2.2	DHCP option usage	261
14	UDP for IPTV service functions.....	263
14.1	Multicast content streaming service – protocol over UNIT-17	263
14.2	Unicast content streaming service – Protocol over UNIT-17	263

14.3	nPVR – protocol over NPI-41	263
15	FLUTE.....	263
15.1	General.....	263
15.2	Protocols for IPTV service Functions	264
15.2.1	Emergency notification	264
15.2.2	Network-generated notification	264
16	Diameter.....	264
16.1	General.....	264
16.2	Protocols for IPTV service functions – Purchase of digital media – Protocol over NPI-11	264
Annex A (informative)	Example messages	265
A.1	IPTV service functions message examples – Unicast content streaming session setup with SIP session management	265
A.2	Communication services message examples – HNI-IGI message mapping to SIP	269
A.2.1	General	269
A.2.2	Presence	270
A.2.3	Chat	275
A.2.4	Presence document.....	279
Annex B (informative)	User profile description	280
B.1	IPTV subscription profile	280
B.1.1	General	280
B.1.2	XML Schema for the IPTV subscription profile	280
B.2	XML schema for the OIPF profile	285
B.3	IPTV subscription profile elements classification	290
B.3.1	General	290
B.3.2	User visible and manageable data	290
B.3.3	User visible, but not manageable data	290
B.3.4	Data neither visible nor manageable by the user.....	291
Annex C (normative)	Mapping attributes for scheduled content	292
C.1	Mapping SDP attributes from DVB SD&S information	292
C.2	Service package SDP attributes.....	294
Annex D (normative)	<protocol> names	295
Annex E (normative)	System infrastructure	296
E.1	OITF start-up high-level procedures.....	296
E.1.1	OITF with native HNI-IGI support.....	296
E.1.2	OITF with non-native HNI-IGI support	297
E.1.3	Integrated OITF/IG with no HNI-IGI support.....	298
E.2	High-level procedure for an OITF graceful shut-down in network relying on IMS.....	299
E.3	OITF restart high-level procedures for an IG integrating WAN GW	300
E.4	IG start-up and shutdown procedures	302
E.4.1	IG start-up procedures.....	302
E.4.2	IG shutdown procedures	302
E.5	WAN Gateway functions	303
E.5.1	General	303
E.5.2	NAT traversal	303
E.5.3	NAT traversal for SIP-based services	303

E.5.4	NAT traversal and keep-alive messages for unicast content streaming services	305
Annex F (informative)	System infrastructure mechanisms – NAT-T informational flows for IPTV services with SIP session management	307
F.1	General.....	307
F.2	IG and WAN GW in one physical device.....	307
F.3	IG and WAN GW in different physical devices	309
Annex G (informative)	NAT-T informational flows for IPTV services	312
Annex H (normative)	Port mapping and NAT traversal for FCC/RET for multicast content services	313
H.1	General.....	313
H.2	Cookie signalling	313
H.3	NAT traversal without cookie signalling.....	315
H.4	Correlation of RTCP messages sent to the RS and FT entity	316
Annex I (normative)	Presence XML schema.....	317
Annex J (informative)	Protocol procedure subclause structure	318
Annex K (normative)	OITF-specific TR-135 and TR-106 remote management objects	320
K.1	General.....	320
K.2	OITF-specific TR-135 remote management object.....	320
K.3	OITF-specific TR-106 remote management object.....	326
Annex L (informative)	New event package for SIP SUBSCRIBE/NOTIFY	329
Annex M (informative)	Overview of notification services in OIPF R2.....	330
Annex N (normative)	Fast Channel Change and Retransmission (FCC/RET).....	332
N.1	Application-layer retransmission (RET)	332
N.1.1	General	332
N.1.2	Unicast RET for multicast content service.....	332
N.1.3	Unicast RET for unicast content service.....	333
N.1.4	Multicast RET for multicast content service.....	334
N.1.5	Packet loss event upstream of the RET server.....	334
N.1.6	Packet loss event downstream of the RET server	335
N.2	Fast channel change (FCC)	336
Annex O (informative)	IG handling of IMPUs in association with GRUU	339
Annex P (normative)	FDT schema extensions	340
Annex Q (normative)	IG Service awareness	341
Q.1	General.....	341
Q.2	IG Algorithm for service awareness.....	341
Annex R (normative)	Definition of content reporting info package	342
R.1	General.....	342
R.2	Applicability	342
R.3	Info Package Name.....	342
R.4	Info Package Parameters	342
R.5	SIP option Tags	343
R.6	INFO message body parts.....	343
R.6.1	General	343
R.6.2	SIP Content-Type header field value	343
R.6.3	SIP Content-Disposition header field value	343
R.6.4	Message body syntax	343
R.7	Info package usage restrictions.....	343

R.8	Rate of INFO requests	343
R.9	Info Package Security Considerations	343
Annex S	(normative) Definition of Digital-Media-Purchase info package.....	344
S.1	General.....	344
S.2	Applicability	344
S.3	Info package name	344
S.4	Info Package parameters	344
S.5	SIP option Tags	344
S.6	INFO message body parts.....	345
S.6.1	General	345
S.6.2	SIP Content-Type header field value	345
S.6.3	SIP Content-Disposition header field value	345
S.6.4	Message body syntax	345
S.6.5	Info Package usage restrictions	345
S.7	Rate of INFO requests	345
S.8	Info package security considerations	345
Annex T	(normative) Definition of parental control watched content info package.....	346
T.1	General.....	346
T.2	Applicability	346
T.3	Info package name	346
T.4	Info package parameters	346
T.5	SIP option tags	346
T.6	INFO message body parts.....	346
T.6.1	General	346
T.6.2	SIP Content-Type header field value	347
T.6.3	SIP Content-Disposition header field value	347
T.6.4	Message body syntax	347
T.7	Info package usage restrictions.....	347
T.8	Rate of INFO requests	347
T.9	Info package security considerations	347
Annex U	(normative) Common types.....	348
U.1	Schema	348
U.2	Definitions.....	348
U.2.1	ProgramIdType	348
U.2.2	UserIdType.....	348
Annex V	(normative) Schema extension for FLUTE FDT	349
V.1	Namespace.....	349
V.2	Import Namespace and schema	349
V.3	Extension of FDT attributes.....	349
Bibliography	350
Figure 1	– Elements of OIPF extended RelatedMaterialType	51
Figure 2	– Construction of advertising window using (x, y, w, h) in Position_Size element.....	51
Figure 3	– Overlaying the content with advertisement for related media	52
Figure 4	– Sequence for the configuration of an IG	105
Figure 5	– GetKeyScheduleSignalingrequest schema	158
Figure 6	– GetKeyScheduleSignalingresponse schema.....	160

Figure 7 – SetScheduleAndGetKeySignalingrequest schema	163
Figure 8 – SetScheduleAndGetKeySignalingresponse schema	164
Figure 9 – SetKeyScheduleAndGetSignalingrequest schema	167
Figure 10 – SetKeyScheduleAndGetSignalingresponse schema	168
Figure 11 – IG description XML schema.....	255
Figure A.1 – COD session setup sequence	265
Figure E.1 – High-level start-up procedural flow for an OITF with native HNI-IGI support	297
Figure E.2 – High-level start-up procedural flow for an OITF without native HNI-IGI support	298
Figure E.3 – High-level start-up procedural flow for an integrated OITF/IG.....	299
Figure E.4 – High-level shut-down procedural flow for an OITF.....	300
Figure E.5 – Overview of OITF start-up.....	301
Figure E.6 – Overview of OITF restart.....	302
Figure E.7 – NAT traversal with UDP keep alive messages.....	304
Figure E.8 – NAT traversal with SIP keep alive messages	305
Figure F.1 – Protocol flows for IG and WAN GW in one device	307
Figure F.2 – Simplified unicast content streaming service information flows.....	308
Figure F.3 – NAT traversal based on IMS access NAT-T model	309
Figure F.4 – Workflow for IMS NAT-T model	310
Figure G.1 – NAT traversal based on the Symmetric-RTP mechanism	312
Figure H.1 – Port mapping process and keep-alive packets for RET	314
Figure H.2 – NAPT traversal for FCC/RET with cookie signalling	314
Figure H.3 – NAPT traversal for FCC/RET without cookie signalling	315
Figure J.1 – Subclause structure in the present annex	318
Figure J.2 – TISPAN IMS IPTV Stage 3 specification structure	319
Figure M.1 – Overview of notification services	330
Figure N.1 – Call flow for multicast content service with unicast retransmission service.....	333
Figure N.2 – Example showing location of packet loss deep in the network relative to the RET server	334
Figure N.3 – Multicast RET protocol interaction for packet loss upstream of RET server	335
Figure N.4 – Multicast RET protocol interaction for packet loss downstream of RET server, with the OITF acting as immediate reporter	336
Figure N.5 – Multicast content delivery with FCC	338
Table 1 – UNI reference points and protocols	24
Table 2 – Other interfaces	25
Table 3 – NPI reference points and protocols.....	26
Table 4 – External interfaces from the consumer network	28
Table 5 – Supported HTTP extension headers in the HNI-IGI INVITE request message for multicast content service session setup (OITF→IG).....	33
Table 6 – Supported HTTP extension headers in the response message to an HNI-IGI INVITE request message for multicast content service session setup (IG→OITF)	34
Table 7 – Supported HTTP extension headers in the HNI-IGI ACK message for a successful multicast content service session setup (OITF→IG).....	34

Table 8 – Supported HTTP extension headers in HNI-IGI BYE request for teardown of a multicast content streaming session (OITF→IG)	36
Table 9 – Supported HTTP extension headers in the response to an HNI-IGI BYE request for teardown of a multicast content streaming session (IG→OITF).....	36
Table 10 – Supported HTTP extension headers in the HNI-IGI SIP INFO request message for content reporting (OITF→IG)	38
Table 11 – Supported HTTP extension headers in the response message to an HNI-IGI INFO request message for content reporting (IG→OITF)	38
Table 12 – List of HTTP extension headers for an incoming SIP UPDATE (IG→OITF)	39
Table 13 – Supported HTTP extension headers in the response message to an incoming HNI-IGI SIP UPDATE request message (OITF→IG)	39
Table 14 – Supported HTTP extension headers in HNI-IGI OPTION request for unicast content streaming session setup parameters (OITF→IG)	43
Table 15 – Supported HTTP extension headers in the response to an HNI-IGI OPTION request for unicast content streaming session setup parameters.....	43
Table 16 – Supported HTTP extension headers in HNI-IGI INVITE request for unicast content streaming session setup (OITF→IG).....	47
Table 17 – Supported HTTP extension headers in the response to an HNI-IGI INVITE request for unicast content streaming session setup (IG→OITF)	48
Table 18 – Supported HTTP extension headers in HNI-IGI ACK request for successful unicast content streaming session teardown (OITF→IG).....	48
Table 19 – Supported HTTP extension headers in HNI-IGI BYE request for unicast content streaming session teardown (OITF→IG)	49
Table 20 – Supported HTTP extension headers in the response to an HNI-IGI BYE request for unicast content streaming session teardown (IG→OITF)	49
Table 21 – Supported HTTP extension headers in the HNI-IGI SIP INFO request message for Digital-Media-Purchase (OITF→IG)	53
Table 22 – Supported HTTP extension headers in the response message to an HNI-IGI INFO request message for Digital-Media-Purchase (IG→OITF)	53
Table 23 – List of HTTP extension headers for an incoming SIP UPDATE (IG→OITF)	54
Table 24 – Supported HTTP extension headers in the response message to an incoming HNI-IGI SIP UPDATE request message (OITF→IG)	54
Table 25 – Mandatory HTTP headers in the request message for advertisement of digital media (OITF→IPTV Metadata control FE).....	55
Table 26 – Mandatory HTTP headers in the response message for advertisement of digital media (IPTV Metadata control FE→OITF).....	55
Table 27 – Supported HTTP extension headers in HNI-IGI SUBSCRIBE request for the parental control watched content event package	59
Table 28 – Supported HTTP extension headers in the response to an HNI-IGI SUBSCRIBE request for the parental control watched content event package.....	60
Table 29 – Supported HTTP extension headers in the NOTIFY request containing changes in the watched programme (IG→OITF).....	60
Table 30 – Supported HTTP extension headers in the response to a NOTIFY request (OITF→IG).....	60
Table 31 – Supported HTTP extension headers in the MESSAGE request for parental control (OITF→IG)	63
Table 32 – Supported HTTP extension headers in the response message to a MESSAGE request message for parental control (IG→OITF)	63
Table 33 – Supported HTTP extension headers in the MESSAGE request for parental control (IG→OITF)	64

Table 34 – List of HTTP extension headers for an outgoing SIP MESSAGE for setting up a user notification request (OITF→IG).....	67
Table 35 – List of HTTP extension headers for the response to an outgoing SIP MESSAGE for setting up a user notification request (IG→OITF)	67
Table 36 – Supported HTTP extension headers for an incoming SIP INFO (IG→OITF)	71
Table 37 – Supported HTTP extension headers in the response message to an incoming HNI-IGI SIP INFO (OITF→IG)	72
Table 38 – Supported HTTP extension headers in the HNI-IGI SIP INFO request message for content bookmark (OITF→IG)	74
Table 39 – Supported HTTP extension headers in the response message to an HNI-IGI INFO request message for content bookmark (IG→OITF).....	74
Table 40 – List of HTTP extension headers for an incoming SIP UPDATE (IG→OITF)	75
Table 41 – Supported HTTP extension headers in the response message to an incoming HNI-IGI SIP UPDATE request message (OITF→IG)	75
Table 42 – List of HTTP extension headers for PVR service capture request message (OITF→IG).....	79
Table 43 – List of HTTP extension headers for the response to PVR service capture request and PVR record request message (IG→OITF and OITF→IG)	79
Table 44 – List of HTTP extension headers for the PVR record request (IG→OITF)	80
Table 45 – List of HTTP extension headers for the PVR record request (IG→OITF)	83
Table 46 –HTTP extension headers for SIP REFER	89
Table 47 –HTTP extension headers SIP REFER response	90
Table 48 –HTTP extension headers in the NOTIFY request	91
Table 49 –HTTP extension headers in the NOTIFY response	91
Table 50 – Supported HTTP extension headers in HNI-IGI SUBSCRIBE request for SP discovery	95
Table 51 – Supported HTTP extension headers in the response to an HNI-IGI SUBSCRIBE request for SP discovery	96
Table 52 – Supported HTTP extension headers in the NOTIFY request to the SUBSCRIBE to SP discovery	96
Table 53 – Supported HTTP extension headers in the response to a NOTIFY request to the SUBSCRIBE to SP discovery	96
Table 54 – Supported HTTP extension headers in HNI-IGI SUBSCRIBE request for receiving notification of changes in the IPTV service profile	101
Table 55 – Supported HTTP extension headers in the response to an HNI-IGI SUBSCRIBE request.....	101
Table 56 – Supported HTTP extension headers in the NOTIFY request containing changes in the IPTV service profile	102
Table 57 – Supported HTTP extension headers in the response to a NOTIFY request	102
Table 58 – RPC methods	103
Table 59 – RPC method parameters	104
Table 60 –Mandatory HTTP extension headers for user registration/de-registration (OITF→IG).....	111
Table 61 –HTTP extension headers for user registration/de-registration response (IG→OITF).....	112
Table 62 – Supported HTTP extension headers in the HNI-IGI SUBSCRIBE request for the registration event package	113
Table 63 – Supported HTTP extension headers in the response to an HNI-IGI SUBSCRIBE request for the registration event package.....	114

Table 64 –HTTP extension headers for a HNI-IGI NOTIFY request sent IG→OITF.....	114
Table 65 –HTTP extension headers in the response to a NOTIFY request	114
Table 66 –HTTP extension headers for an instant message based caller ID (IG→OITF)	119
Table 67 –HTTP extension headers for the response to an Instant message based caller ID (OITF→IG).....	120
Table 68 –HTTP extension headers on the HNI-IGI interface (IG→OITF) for a received SIP INVITE	121
Table 69 –HTTP extension headers on the HNI-IGI interface (OITF→IG) for a response to the SIP INVITE	121
Table 70 –HTTP headers in the HNI-IGI ACK message (IG→OITF).....	121
Table 71 –HTTP extension headers for an outgoing instant message (OITF→IG)	122
Table 72 –HTTP extension headers for the response to an outgoing and incoming Instant message (IG→OITF and OITF→IG).....	122
Table 73 – List of HTTP extension headers for an incoming instant message (IG→OITF).....	123
Table 74 –HTTP extension headers for IM INVITE request (OITF→IG)	125
Table 75 –HTTP extension headers for a 200 OK response received for the INVITE IG→OITF	125
Table 76 – List of HTTP extension headers in HNI-IGI ACK request	126
Table 77 –HNI-IGI HTTP extension headers for an MSRP SEND request (OITF→IG)	127
Table 78 –HNI-IGI HTTP extension headers included in the HTTP 200 OK response (IG→OITF).....	127
Table 79 –HNI-IGI HTTP extension headers for an MSRP SEND ACTIVITY request (OITF→IG).....	128
Table 80 –HNI-IGI HTTP extension headers for an incoming MSRP message (IG→OITF).....	128
Table 81 –HNI-IGI HTTP extension headers for an MSRP 200 OK response to an incoming MSRP message (OITF→IG)	128
Table 82 –HNI-IGI HTTP extension headers for an incoming MSRP receive activity (IG→OITF).....	129
Table 83 –HTTP extension headers for an MSRP BYE request (OITF→IG).....	130
Table 84 –HTTP extension headers for a 200 OK response to a BYE (IG→OITF)	130
Table 85 –HTTP extension headers for an incoming SIP BYE (IG→OITF).....	131
Table 86 –HTTP extension headers for the response to an SIP BYE (OITF→IG).....	131
Table 87 –HTTP extension headers for an incoming IM INVITE request (IG→OITF).....	133
Table 88 – List of HTTP extension headers for the response to an incoming IM INVITE request (OITF→IG)	133
Table 89 – Supported HTTP extension headers in HNI-IGI ACK request for successful IM session (MSRP chat) (IG→OITF)	134
Table 90 –HTTP extension headers for a SUBSCRIBE request (OITF→IG).....	136
Table 91 –HTTP extension headers for the response to a SUBSCRIBE to presence (IG→OITF).....	136
Table 92 –HTTP extension headers for a SIP NOTIFY (IG→OITF).....	137
Table 93 – List of HTTP extension headers for a response to a received SIP NOTIFY (OITF→IG).....	137
Table 94 –HTTP extension headers for the PUBLISH request (OITF→IG).....	138
Table 95 –HTTP extension headers for a response to SIP PUBLISH (IG→OITF).....	139

Table 96 –HTTP extension headers on the HNI-IGI interface (OITF→IG) for a SIP OPTIONS request and response (IG→OITF).....	141
Table 97 –HTTP extension headers on the HNI-IGI interface (OITF→IG) for a SIP INVITE request	142
Table 98 –HTTP extension headers for a 200 OK response received for the INVITE IG→OITF	143
Table 99 –HTTP extension headers in HNI-IGI ACK request.....	143
Table 100 –HTTP extension headers for SIP REFER	145
Table 101 – Supported HTTP extension headers in the NOTIFY request sent from the transferee OITF (OITF->IG) to the transferor (IG->OITF)	146
Table 102 –HTTP extension headers for a SIP BYE request (OITF→IG)	148
Table 103 –HTTP extension headers for a 200 OK response to a BYE (IG→OITF)	149
Table 104 – HNI-IGI message types	150
Table 105 – X-OITF HTTP extension headers and IG actions for OITF→IG messages.....	151
Table 106 – Mapping of SIP header to X-OITF HTTP extension headers in IG→OITF	152
Table 107 – Reference points calling entity and called entity	157
Table 108 – Operations according to functional entity roles	157
Table 109 – getKeyScheduleSignaling method parameters	158
Table 110 – GetKeyScheduleSignalingrequestType	159
Table 111 – GetKeyScheduleSignalingresponseType	161
Table 112 – setScheduleAndGetKeySignaling method parameters.....	162
Table 113 – SetScheduleAndGetKeySignalingrequestType.....	163
Table 114 – SetScheduleAndGetKeySignalingresponseType	165
Table 115 – setKeyScheduleAndGetSignaling method parameters.....	166
Table 116 – SetKeyScheduleAndGetSignalingrequestType	167
Table 117 – SetKeyScheduleAndGetSignalingresponseType	169
Table 118 – UUIDType	170
Table 119 – StatusType	170
Table 120 – ContentKeyType structure	170
Table 121 – DrmInfoType structure	171
Table 122 – DrmMetadataType structure	171
Table 123 – DrmSignalingType structure	171
Table 124 – DashSignalingType structure	172
Table 125 – EncryptionprofileType structure	172
Table 126 – KeyIdScheduleType structure	173
Table 127 – PregenerationWindowType structure	173
Table 128 – PrivateSignalingType structure	173
Table 129 – ScheduledKeyType structure	174
Table 130 – ScheduleType structure	175
Table 131 – TimeReferenceType structure.....	175
Table 132 –SIP headers for PVR service recording status (CC→IPTV Control)	198
Table 133 –SIP headers for PVR service recording status (CC→IPTV Control)	200
Table 134 – Supported SIP headers in the HNI-IGI INVITE request message for an outgoing MM telephony session setup (OITF→IG)	231

Table 135 – Supported SIP headers in the response message to an HNI-IGI INVITE request message for an outgoing MM telephony session setup (IG→OITF)	231
Table 136 – Supported SIP headers in the HNI-IGI ACK message for a successful MM telephony session setup (OITF→IG)	232
Table 137 – Supported SIP headers in the HNI-IGI INVITE request message for an incoming MM telephony session setup (IG→OITF)	232
Table 138 – Supported SIP headers in the response message to an HNI-IGI INVITE request message for an incoming MM telephony session setup (OITF→IG)	233
Table 139 – Supported SIP headers in the HNI-IGI ACK message for a successful incoming MM telephony session setup (IG→OITF)	233
Table 140 – List of SIP headers for an outgoing SIP BYE (OITF→IG)	234
Table 141 – List of SIP headers for the response to an outgoing SIP BYE (IG→OITF)	234
Table 142 – List of SIP headers for an incoming SIP BYE (IG→OITF)	234
Table 143 – List of SIP headers for the response to an incoming SIP BYE (OITF→IG)	235
Table 144 – urn:oiopf-org:device:ig:1 deviceType	254
Table 145 – igDescription elements and attributes	256
Table 146 – urn:oiopf-org:device:ag:1 deviceType	257
Table 147 – agDescription elements and attributes	258
Table 148 – urn:oiopf-org:device:cspg-dtcp:1 deviceType	258
Table 149 – cspgdtcpDescription elements and attributes	259
Table 150 – urn:oiopf-org:device:oitf:1 deviceType	260
Table C.1 – Definition of <protocol> names	292
Table D.1 – Definition of <protocol> names	295
Table K.1 – Parameter list for an OITF using TR-135	320
Table K.2 – Parameter list for an OITF using TR-106	327
Table M.1 – Summary of notification mechanisms	331

INTERNATIONAL ELECTROTECHNICAL COMMISSION

**CONSUMER TERMINAL FUNCTION FOR ACCESS TO IPTV AND
OPEN INTERNET MULTIMEDIA SERVICES –**

Part 4-1: Protocols

FOREWORD

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International Standard IEC 62766-4-1 has been prepared by IEC technical committee 100: Audio, video and multimedia systems and equipment.

The text of this International Standard is based on the following documents:

CDV	Report on voting
100/2546/CDV	100/2660/RVC

Full information on the voting for the approval of this International Standard can be found in the report on voting indicated in the above table.

This document has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all parts in the IEC 62766 series, published under the general title *Consumer terminal function for access to IPTV and open internet multimedia services*, can be found on the IEC website.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under "<http://webstore.iec.ch>" in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

A bilingual version of this publication may be issued at a later date.

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INTRODUCTION

The IEC 62766 series is based on a series of specifications that was originally developed by the OPEN IPTV FORUM (OIPF). They specify the user-to-network interface (UNI) for consumer terminals to access IPTV and open internet multimedia services over managed or non-managed networks as defined by OIPF.

CONSUMER TERMINAL FUNCTION FOR ACCESS TO IPTV AND OPEN INTERNET MULTIMEDIA SERVICES –

Part 4-1: Protocols

1 Scope

This part of IEC 62766 specifies the protocols, which apply to the following reference point interfaces identified in the architecture described in Annex B of IEC 62766-1:2017.

- The UNI interfaces, between the consumer domain and the network or service provider domains.
- The HNI interfaces, between the functional entities in the consumer network domain.
- Interfaces to external systems, which include DLNA networks in the consumer domain.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 62481-2:2013, *Digital living network alliance (DLNA) home networked device interoperability guidelines – Part 2: Media Formats*

IEC 62766-1, *Consumer terminal function for access to IPTV and open Internet multimedia services – Part 1: General*

IEC 62766-2-1, *Consumer terminal function for access to IPTV and open Internet multimedia services – Part 2-1: Media formats*

IEC 62766-3, *Consumer terminal function for access to IPTV and open Internet multimedia services – Part 3: Content metadata*

IEC 62766-4-2, *Consumer terminal function for access to IPTV and open Internet multimedia services – Part 4-2: Examples of IPTV protocol sequences*

IEC 62766-5-1, *Consumer terminal function for access to IPTV and open Internet multimedia services – Part 5-1: Declarative application environment*

IEC 62766-7, *Consumer terminal function for access to IPTV and open Internet multimedia services – Part 7: authentication, content protection and service protection*

ISO/IEC 13818-1:2015, *Information technology – Generic coding of moving pictures and associated audio information – Part 1: Systems*

ISO/IEC 14496-3:2009, *Information technology – Coding of audio-visual objects – Part 3: Audio*

ISO/IEC 14496-10:2005, *Information technology – Coding of audio-visual objects – Part 10: Advanced video coding*