



**Universal Mobile Telecommunications System (UMTS);
LTE;
Video formats for 3GPP services
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Contents

Intellectual Property Rights	2
Foreword.....	2
Modal verbs terminology.....	2
Foreword.....	5
1 Scope	6
2 References	6
3 Definitions and abbreviations.....	7
3.1 Definitions	7
3.2 Abbreviations	7
4 Background and Context	8
4.1 Introduction	8
4.2 Scenarios and Deployment Cases.....	9
4.2.1 Scenario	9
4.2.2 Media-Format Related Challenges	10
4.2.3 Content Adaptation and Provisioning Functions	11
5 Traditional Distribution Formats.....	12
5.1 Overview	12
5.2 Methodology	12
5.3 Collected Information.....	13
5.3.1 DVB.....	13
5.3.1.1 Introduction.....	13
5.3.1.2 Video codec profiles and levels	13
5.3.1.3 Defined parameters for video profiles.....	14
5.3.1.4 Video coding parameters for broadcast distribution	15
5.3.1.5 Audio related Parameters	15
5.3.1.6 Parameters for special services (supplementary streams, DASH sub-resolutions, etc.).....	18
5.3.1.7 Any implementation guidelines	18
5.3.1.8 Deducted Information on Random Access Points.....	18
5.3.2 ATSC	18
5.3.2.1 Introduction.....	18
5.3.2.2 Colorimetry aspects.....	19
5.3.2.3 Frame rate aspects	19
5.3.2.4 RAP period in ATSC	19
5.3.3 DECE.....	19
5.3.3.1 Introduction.....	19
5.3.3.2 Colorimetry aspects.....	19
5.3.3.3 Frame rate aspects	20
5.3.3.4 RAP period in DECE	20
5.3.4 Response from DASH-IF.....	20
5.4 Summary	20
5.4.1 Overview	20
5.4.2 Spatial Resolution.....	21
5.4.3 Frame Rates	21
5.4.4 Colorimetry Formats.....	22
5.4.5 Random Access	23
5.4.6 Video Codecs and Other Video Parameters.....	23
5.4.7 Non-Video Related Parameters.....	23
6 Video Operation Point Parameters	24
6.1 Video resolution	24
6.1.1 Introduction.....	24
6.1.2 Working assumptions	24

6.1.3	Video profile resolution definition.....	24
6.1.4	Selection of video profile resolutions for operation points	26
6.2	Viewing Distance and Resolution	26
6.2.1	Introduction.....	26
6.2.2	Optimum Viewing Distance	27
6.2.3	Conclusions.....	28
7	Non-video related aspects	28
8	Enablers for different 3GPP services	29
8.1	Introduction	29
8.2	DASH Signalling Enablers.....	29
8.2.1	Relevant Signaling Parameters	29
8.2.2	DASH Signaling Background.....	29
8.2.2.1	Representations in one Adaptation Set.....	29
8.2.2.2	Receiver Processing Model.....	30
8.2.2.3	Signaling Framework and Options.....	30
8.2.2.4	Open Questions and Potential Answers	32
8.2.2.5	Gap Analysis on DASH-based signalling	34
9	Information from Example Deployments.....	34
9.1	Description of Linear / Live TV using MBMS	34
10	Conclusions and Recommendations.....	35
Annex A:	Change history	39
History		40

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1 Scope

The scope of the present document is to support the generation of a technical specification which defines a limited set of operation points for TV services in order to enable a consistent service offering within 3GPP. For this purpose the present document collects relevant information from other organizations and summarizes and consolidates these findings. Additional 3GPP specific aspects on TV profiles (such as existing and emerging UE capabilities, delivery enablers, or specific service aspects) are collected and put in context.

2 References

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- [1] 3GPP TR 21 905: "Vocabulary for 3GPP Specifications".
- [2] 3GPP TS 26.234: "Transparent end-to-end Packet-switched Streaming Service (PSS); Protocols and codecs".
- [3] 3GPP TS 26.346: "Multimedia Broadcast/Multicast Service (MBMS); Protocols and codecs".
- [4] 3GPP TS 26.247: "Transparent end-to-end Packet-switched Streaming Service (PSS); Progressive Download and Dynamic Adaptive Streaming over HTTP (3GP-DASH)".
- [5] DVB ETSI TS 101 154 v2.2.1 (2015-06): "Digital Video Broadcasting (DVB); Specification for the use of Video and Audio Coding in Broadcasting Applications based on the MPEG-2 Transport Stream".
- [6] ETSI TS 103 285 v1.1.1 (2015-05):: "Digital Video Broadcasting (DVB); MPEG-DASH Profile for Transport of ISO BMFF Based DVB Services over IP Based Networks".
- [7] ETSI EN 300 468 V1.14.1 (2014-05): "Specification for Service Information (SI) in DVB systems".
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- [9] ETSI TS 101 211 V1.12.1 (2013-12): "Guidelines on implementation and usage of Service Information (SI)"
- [10] DASH-IF, "Guidelines for Implementation: DASH-IF Interoperability Points", version 3.0.
- [11] ISO/IEC 23001-8:2013, "Information technology -- MPEG systems technologies -- Part 8: Coding-independent code points".
- [12] ISO/IEC 14496-12:2015: "Information technology -- Coding of audio-visual objects -- Part 12: ISO base media file format".
- [13] ITU-T Recommendation H.264 (01/2012): "Advanced video coding for generic audiovisual services" | ISO/IEC 14496-10:2010: "Information technology – Coding of audio-visual objects – Part 10: Advanced Video Coding".
- [14] ISO/IEC 14496-15:2014/Cor 1:2015: "Information technology -- Coding of audio-visual objects -- Part 15: Carriage of network abstraction layer (NAL) unit structured video in ISO base media file format".