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Contents

Intellectual Property Rights	2
Foreword.....	2
Modal verbs terminology.....	2
Foreword.....	10
1 Scope	11
2 References	11
3 Definitions, symbols and abbreviations	12
3.1 Definitions	12
3.2 Symbols.....	13
3.3 Abbreviations	13
4 Introduction	13
5 Architectural requirements	13
5.1 Media routing requirements	13
5.2 MCVideo group affiliation and MCVideo group de-affiliation	14
5.3 Device inventory requirements.....	14
5.4 Device discovery requirements (off-network).....	14
5.5 Bearer management.....	14
5.5.1 General.....	14
5.5.2 EPS bearer considerations	14
5.5.3 EPS unicast bearer considerations for MCVideo.....	14
5.5.4 MBMS bearer management	15
5A Involved business relationships.....	15
6 MCVideo Functional model.....	15
6.1 Functional model description	15
6.1.1 On-network functional model.....	15
6.1.2 Off-network functional model	15
6.2 Functional entities description.....	16
6.2.1 General.....	16
6.2.2 MCVideo service application plane.....	16
6.2.2.1 General	16
6.2.2.2 Common services core	16
6.2.2.3 MCVideo application service.....	16
6.2.2.3.1 MCVideo client	16
6.2.2.3.2 MCVideo server	16
6.2.2.3.3 Media distribution function	17
6.2.2.3.4 Media mixer	17
6.2.2.3.5 MCVideo user database.....	17
6.2.2.3.6 Transmission control server.....	17
6.2.2.3.7 Transmission control participant	18
6.3 Reference points	18
6.3.1 Reference point MCVideo-1 (between the MCVideo client and the MCVideo server)	18
6.3.2 Reference point MCVideo-2 (between the MCVideo server and the MCVideo user database).....	18
6.3.3 Reference point MCVideo-3 (between the MCVideo server and the MCVideo server)	18
6.3.4 Reference point MCVideo-4 (between the transmission control participant and the transmission control server).....	18
6.3.4A Reference point MCVideo-5 (unicast between the media distribution function and the EPS)	18
6.3.4B Reference point MCVideo-6 (between the MCVideo server and the EPS)	19
6.3.5 Reference point MCVideo-7 (between the media distribution function and the media mixer)	19
6.3.6 Reference point MCVideo-8 (between the media distribution function and the media mixer)	19
6.3.7 Reference point MCVideo-9 (between the transmission control participant and the transmission control server).....	19

6A	Identities	19
6B	Application of functional model to deployments	19
7	Procedures and information flows	19
7.1	Group call	19
7.1.1	General	19
7.1.2	On-network group call	20
7.1.2.1	General	20
7.1.2.2	Information flows for group call in on-network	20
7.1.2.2.1	Group call request (MCVideo client – MCVideo server)	20
7.1.2.2.2	Group call request (MCVideo server – MCVideo client)	20
7.1.2.2.3	Group call response (MCVideo server – MCVideo client)	20
7.1.2.2.4	Group call response (MCVideo client – MCVideo server)	21
7.1.2.2.5	Group call release request (MCVideo server – MCVideo client)	21
7.1.2.2.6	Group call release request (MCVideo client – MCVideo server)	21
7.1.2.2.7	Group call release response (MCVideo client – MCVideo server)	21
7.1.2.2.8	Group call rejoin request (MCVideo client – MCVideo server)	22
7.1.2.2.9	Group call rejoin response (MCVideo server – MCVideo client)	22
7.1.2.2.10	Group call join request (MCVideo client – MCVideo server)	22
7.1.2.2.11	Group call join response (MCVideo server – MCVideo client)	23
7.1.2.2.12	Group call leave request (MCVideo server – MCVideo client)	23
7.1.2.2.13	Group call leave response (MCVideo client – MCVideo server)	23
7.1.2.2.14	MCVideo emergency alert request	23
7.1.2.2.15	MCVideo emergency alert response	24
7.1.2.2.16	MCVideo emergency state cancel request	24
7.1.2.2.17	MCVideo emergency state cancel response	25
7.1.2.2.18	MCVideo emergency group call request	25
7.1.2.2.19	MCVideo emergency group call response	25
7.1.2.2.20	MCVideo emergency group call cancel request	25
7.1.2.2.21	MCVideo emergency group call cancel response	26
7.1.2.2.22	MCVideo imminent peril group call request	26
7.1.2.2.23	MCVideo imminent peril group call response	26
7.1.2.2.24	MCVideo imminent peril group call cancel request	26
7.1.2.2.25	MCVideo imminent peril group call cancel response	27
7.1.2.3	Group call within one MC system	27
7.1.2.3.1	Group call models	27
7.1.2.3.1.1	Pre-arranged group call	27
7.1.2.3.1.2	Chat group call	32
7.1.2.3.2	Exiting group call due to de-affiliation	36
7.1.2.4	Broadcast group call	37
7.1.2.4.1	General	37
7.1.2.4.2	Common broadcast group call procedure	37
7.1.2.5	Emergency and imminent peril procedures	38
7.1.2.5.1	MCVideo emergency group call	38
7.1.2.5.1.1	MCVideo emergency group call commencement	38
7.1.2.5.1.2	MCVideo group call upgraded to an MCVideo emergency group call	40
7.1.2.5.1.3	MCVideo emergency group call cancel	42
7.1.2.5.2	MCVideo imminent peril group call	44
7.1.2.5.2.1	MCVideo imminent peril group call commencement	44
7.1.2.5.2.2	Imminent peril group call upgrade	46
7.1.2.5.2.3	MCVideo imminent peril group call cancel	48
7.1.2.6	MCVideo emergency alert	49
7.1.2.6.1	General	49
7.1.3	Off-network group communications	49
7.1.3.1	General	49
7.1.3.2	Information flows for off-network group communications	49
7.1.3.2.1	Group communication announcement	49
7.1.3.2.2	Group communication answer response	50
7.1.3.2.3	MCVideo upgrade to emergency group communication	50
7.1.3.2.4	MCVideo emergency group communication cancel	51
7.1.3.2.5	MCVideo upgrade to imminent peril group communication	51

7.1.3.2.6	MCVideo imminent peril group communication cancel	51
7.1.3.2.7	MCVideo emergency alert announcement	51
7.1.3.2.8	MCVideo emergency alert cancel announcement	52
7.1.3.3	Group communication setup	52
7.1.3.3.1	General	52
7.1.3.3.2	Procedure.....	52
7.1.3.4	Passive join to group communication	54
7.1.3.4.1	General	54
7.1.3.4.2	Procedure.....	54
7.1.3.5	Active join to group communication.....	55
7.1.3.5.1	General	55
7.1.3.5.2	Procedure.....	55
7.1.3.6	Broadcast group communication.....	56
7.1.3.7	Group communication release due to inactivity	57
7.1.3.8	Emergency and imminent peril procedures.....	57
7.1.3.8.1	Emergency group communication.....	57
7.1.3.8.2	MCVideo imminent peril.....	58
7.1.3.9	MCVideo emergency alert.....	59
7.1.3.9.1	General	59
7.2	Private call.....	59
7.2.1	General.....	59
7.2.2	Private call on-network.....	59
7.2.2.1	General	59
7.2.2.2	Information flows for private call in on-network	59
7.2.2.2.1	MCVideo private call request (MCVideo client – MCVideo server)	59
7.2.2.2.2	MCVideo private call request (MCVideo server – MCVideo client)	60
7.2.2.2.3	MCVideo private call response (MCVideo client – MCVideo server).....	60
7.2.2.2.4	MCVideo private call response (MCVideo server – MCVideo client).....	61
7.2.2.2.5	MCVideo call end request	61
7.2.2.3	Private call within one MC system	61
7.2.2.3.1	Private call setup in automatic commencement mode.....	61
7.2.2.3.2	Private call setup in manual commencement mode.....	63
7.2.2.3.2.1	Description.....	63
7.2.2.3.2.2	Procedure	63
7.2.2.3.3	Private call release.....	64
7.2.2.3.3.1	Client initiated.....	64
7.2.2.3.3.2	Server initiated.....	65
7.2.3	Off-network private communications	66
7.2.3.1	General	66
7.2.3.2	Information flows for off-network private communications	66
7.2.3.2.1	Private communication request	66
7.2.3.2.2	Private communication answer response.....	67
7.2.3.2.3	Private communication release request.....	67
7.2.3.2.4	Private communication release response	68
7.2.3.3	Use of ProSe for off-network private communications.....	68
7.2.3.4	Automatic commencement private communication.....	68
7.2.3.4.1	General	68
7.2.3.4.2	Procedure.....	68
7.2.3.5	Manual commencement private communication.....	70
7.2.3.5.1	General	70
7.2.3.5.2	Procedure – Communication accepted	70
7.2.3.5.3	Procedure – Communication rejected/ignored	72
7.2.3.6	Private communication release.....	73
7.2.3.6.1	General	73
7.2.3.6.2	Procedure.....	73
7.3	Video pull.....	74
7.3.1	General.....	74
7.3.2	On-network video pull	74
7.3.2.1	General	74
7.3.2.2	Information flows for on-network video pull.....	74
7.3.2.2.1	MCVideo pull from server request	75
7.3.2.2.2	MCVideo pull from server response.....	75

7.3.2.2.3	MCVideo pull from server complete request	75
7.3.2.2.4	MCVideo pull from server complete response	75
7.3.2.3	One-to-one video pull	76
7.3.2.3.1	General	76
7.3.2.3.2	One-to-one video pull – call setup	76
7.3.2.3.3	One-to-one video pull – call release	77
7.3.2.4	One-from-server video pull	77
7.3.2.4.1	General	77
7.3.2.4.2	Procedure	77
7.3.3	Off-network video pull	78
7.3.3.1	General	78
7.3.3.2	Information flows for off-network video pull	79
7.3.3.3	Video pull to self	79
7.3.3.3.1	General	79
7.3.3.3.2	Procedure	79
7.4	Video push	81
7.4.1	General	81
7.4.2	On-network video push	81
7.4.2.1	General	81
7.4.2.2	Information flows for on-network video push	81
7.4.2.2.1	Remote video push request	81
7.4.2.2.2	Remote video push response	82
7.4.2.2.3	Remote video push release request	82
7.4.2.2.4	MCVideo push to server request	83
7.4.2.2.5	MCVideo push to server response	83
7.4.2.2.6	MCVideo push to server complete request	83
7.4.2.2.7	MCVideo push to server complete response	84
7.4.2.3	One-to-one video push	84
7.4.2.3.1	General	84
7.4.2.3.2	One-to-one video push – call setup	84
7.4.2.3.3	One-to-one video push – call release	85
7.4.2.4	One-to-server video push	85
7.4.2.4.1	General	85
7.4.2.4.2	Procedure	85
7.4.2.5	Remotely initiated video push	87
7.4.2.5.1	General	87
7.4.2.5.2	Remotely initiated video push – call setup	87
7.4.2.5.3	Remotely initiated video push – call release by authorized user	88
7.4.2.6	Remotely initiated video push to group	89
7.4.2.6.1	General	89
7.4.2.6.2	Remotely initiated video push to group – call setup	89
7.4.2.6.3	Remotely initiated video push to group – call release by authorized user	90
7.4.3	Off-network video push	91
7.4.3.1	General	91
7.4.3.2	Information flows for off-network video push	91
7.4.3.2.1	Remote video push request	91
7.4.3.2.2	Video push trying response	91
7.4.3.2.3	Notification of video push	91
7.4.3.3	Video push to another MCVideo user	92
7.4.3.3.1	General	92
7.4.3.3.2	Procedure	92
7.4.3.4	Remotely initiated video push	93
7.4.3.4.1	General	93
7.4.3.4.2	Procedure	93
7.4.3.5	Remotely initiated video push to a group	95
7.4.3.5.1	General	95
7.4.3.5.2	Procedure	95
7.5	Capability information sharing	96
7.5.1	General	96
7.5.2	On-network capability information sharing	96
7.5.2.1	General	96
7.5.2.2	Information flows for on-network capability information sharing	96

7.5.2.2.1	Update MCVideo capabilities info request.....	96
7.5.2.2.2	Update MCVideo capabilities info response	97
7.5.2.2.3	Get MCVideo capabilities info request	97
7.5.2.2.4	Get MCVideo capabilities info response.....	97
7.5.2.2.5	Subscribe MCVideo capabilities info request	97
7.5.2.2.6	Subscribe MCVideo capabilities info response	97
7.5.2.2.7	Notify MCVideo capabilities info request.....	98
7.5.2.2.8	Notify MCVideo capabilities info response	98
7.5.2.3	Update MCVideo capabilities information at the MCVideo server	98
7.5.2.4	Retrieve MCVideo capabilities information at the MCVideo client	98
7.5.2.5	Subscription and notification for MCVideo capabilities information	99
7.5.3	Off-network capability information sharing	100
7.5.3.1	General	100
7.5.3.2	Information flows for Off-network capability information sharing	100
7.5.3.2.1	Capability request.....	100
7.5.3.2.2	Capability announcement	100
7.5.3.2.3	Activity status request	101
7.5.3.2.4	Activity status announcement.....	101
7.5.3.3	Periodic capability announcements	102
7.5.3.3.1	General	102
7.5.3.3.2	Procedure.....	102
7.5.3.4	Request capabilities from client(s).....	103
7.5.3.4.1	General	103
7.5.3.4.2	Request clients with particular capabilities	103
7.5.3.4.3	Request capabilities from a particular client.....	104
7.5.3.5	Request activity status from client(s)	104
7.5.3.5.1	General	104
7.5.3.5.2	Request activity status of group members	104
7.5.3.5.3	Request activity status from a particular client.....	105
7.6	Ambient viewing call	106
7.6.1	General.....	106
7.6.2	Information flows for ambient viewing call.....	106
7.6.2.1	Ambient viewing call request.....	106
7.6.2.2	Ambient viewing call response	107
7.6.2.3	Ambient viewing call release request.....	107
7.6.2.4	Ambient viewing call release response	107
7.6.2.5	Ambient viewing call release notification.....	108
7.6.3	Procedures.....	108
7.6.3.1	Remotely initiated ambient viewing call setup procedure.....	108
7.6.3.2	Locally initiated ambient viewing call setup procedure.....	109
7.6.3.3	Ambient viewing call release – server initiated	110
7.6.3.4	Ambient viewing call release – "viewing" user initiated	111
7.6.3.5	Ambient viewing call release – "viewed to" user initiated.....	112
7.7	Transmission control	113
7.7.1	Transmission control for on-network MCVideo service.....	113
7.7.1.1	General	113
7.7.1.2	Information flows for transmission control for on-network.....	113
7.7.1.2.1	General	113
7.7.1.2.2	Transmit media request	113
7.7.1.2.3	Transmit media granted.....	114
7.7.1.2.4	Transmit media rejected	114
7.7.1.2.5	Media transmission notification	114
7.7.1.2.6	Receive media request	114
7.7.1.2.7	Receive media response.....	115
7.7.1.2.8	Media reception notification.....	115
7.7.1.2.9	Queue position info	115
7.7.1.2.10	Transmission revoked.....	115
7.7.1.2.11	Queue position request	116
7.7.1.2.12	Transmit media cancel request	116
7.7.1.2.13	Transmit media cancel response.....	116
7.7.1.2.14	Transmit media cancel request notify.....	116
7.7.1.2.15	Transmit media end request.....	117

7.7.1.2.16	Transmit media end response	117
7.7.1.2.17	Remote transmit media request	117
7.7.1.2.18	Remote transmit media response	117
7.7.1.2.19	Remote transmit media cancel request	118
7.7.1.2.20	Remote transmit media cancel response	118
7.7.1.2.21	Media reception end request	118
7.7.1.2.22	Media reception end response	118
7.7.1.2.23	Media reception override notification	119
7.7.1.2.24	Transmit media end notify	119
7.7.1.3	Transmission control within one MC system for MCVideo service	119
7.7.1.3.1	Transmission control during an MCVideo session	119
7.7.1.3.2	Reception control during an MCVideo session	120
7.7.1.3.2A	End media reception – receiving user initiated	122
7.7.1.3.2B	End media reception – transmission control server initiated	122
7.7.1.3.2C	Reception control on overridden – mandatory mode	123
7.7.1.3.2D	Reception control on overridden – negotiated mode	124
7.7.1.3.3	Transmission revoke during an MCVideo session	125
7.7.1.3.4	Queue position during an MCVideo session	126
7.7.1.3.5	Transmit media request cancellation from the video transmission queue	127
7.7.1.3.5.1	Transmit media request cancellation from the queue – MCVideo user initiated	127
7.7.1.3.5.2	Transmit media request cancellation from the queue - transmission control server initiated ..	128
7.7.1.3.6	End a media transmission during an MCVideo session	129
7.7.1.3.6.1	End a media transmission – MCVideo user initiated	129
7.7.1.3.6.2	End a media transmission – transmission control server initiated	130
7.7.1.3.6.3	End a media transmission – remote MCVideo user initiated	131
7.7.1.3.7	Remotely initiated media transmission during an MCVideo session	132
7.7.2	Off-network transmission control	133
7.7.2.1	General	133
7.7.2.2	Information flows for off-network transmission control	133
7.7.2.2.1	Transmission request	133
7.7.2.2.2	Transmission granted	134
7.7.2.2.3	Transmission release	134
7.7.2.2.4	Transmission rejected	134
7.7.2.2.5	Transmission revoked	134
7.7.2.2.6	Transmission arbitration taken	135
7.7.2.2.7	Transmission arbitration release	135
7.7.2.3	Initializing transmission control – single arbitrator approach	135
7.7.2.3A	Initializing transmission control – self arbitration approach	136
7.7.2.4	Transmission permission granted	137
7.7.2.5	Transmission permission rejected	138
7.7.2.6	Releasing transmission permission	139
7.7.2.7	Transmission override	140
7.7.2.8	Transmission override (revoke self)	141
7.7.2.9	Transmission arbitration release	143
7.7.2.9.1	Transmission arbitration release	143
7.7.2.9.2	Transmission arbitration release with delegation	143
7.7.2.10	Simultaneous transmission requests	144
7.8	MCVideo service configuration	145
7.9	Affiliation and de-affiliation to/from MCVideo group(s)	145
7.10	Use of MBMS transmission (on-network)	146
7.10.1	Information flows for MBMS Transmission	146
7.10.1.1	General	146
7.10.1.2	MapGroupToBearer	146
7.10.1.3	UnmapGroupFromBearer	146
7.10.2	Use of pre-established MBMS bearers	146
7.10.3	Use of dynamic MBMS bearer establishment	147
7.10.4	Video call connect and disconnect over MBMS	147
7.10.4.1	General	147
7.10.4.2	Procedure	148
7.10.4.2.1	Call connect over MBMS	148
7.10.4.2.2	Call disconnect over MBMS	149
7.10.5	Switching from MBMS bearer to unicast bearer	150

7.11	Simultaneous session for MCVideo calls (on-network)	150
7.12	User authentication and authorization for MCVideo service	150
7.13	Support for multiple devices	151
7.14	Location information (on-network)	151
Annex A (normative): MCVideo related configuration data		152
A.1	General	152
A.2	MCVideo UE configuration data	152
A.3	MCVideo user profile configuration data.....	153
A.4	MCVideo related Group configuration data.....	160
A.5	MCVideo service configuration data.....	162
Annex B (informative): Change history		164
History		167

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1 Scope

This document specifies the functional model, procedures and information flows needed for the mission critical video (MCVideo) service. Support for both MCVideo group streaming and MCVideo private streaming operating in on-network and off-network modes of operation is specified.

The corresponding service requirements are defined in 3GPP TS 22.280 [2], and 3GPP TS 22.281 [3].

The present document is applicable primarily to mission critical video service using E-UTRAN access based on the common functional architecture for mission critical services defined in 3GPP TS 23.280 [6] and the EPC architecture defined in 3GPP TS 23.401 [8].

The MCVideo service can be used for public safety applications and also for general commercial applications e.g. utility companies and railways.

2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication, edition number, version number, etc.) or non-specific.
- For a specific reference, subsequent revisions do not apply.
- For a non-specific reference, the latest version applies. In the case of a reference to a 3GPP document (including a GSM document), a non-specific reference implicitly refers to the latest version of that document *in the same Release as the present document*.

- [1] 3GPP TR 21.905: "Vocabulary for 3GPP Specifications".
- [2] 3GPP TS 22.280: "Mission Critical Common Requirements (MCCoRe); Stage 1".
- [3] 3GPP TS 22.281: "Mission Critical Video services over LTE".
- [4] 3GPP TS 23.002: "Network Architecture".
- [5] 3GPP TS 23.228: "IP Multimedia Subsystem (IMS); Stage 2".
- [6] 3GPP TS 23.280: "Common functional architecture to support mission critical services; Stage 2".
- [7] 3GPP TS 23.303: "Proximity-based services (ProSe); Stage 2".
- [8] 3GPP TS 23.401: "General Packet Radio Service (GPRS) enhancements for Evolved Universal Terrestrial Radio Access Network (E-UTRAN) access".
- [9] 3GPP TS 23.468: "Group Communication System Enablers for LTE (GCSE_LTE); Stage 2".
- [10] 3GPP TS 33.179: "Security of Mission Critical Push-To-Talk (MCPTT)".
- [11] 3GPP TS 23.203: "Policy and charging control architecture".
- [12] 3GPP TS 36.331: "Evolved Universal Terrestrial Radio Access (E-UTRA); Radio Resource Control (RRC); Protocol specification".
- [13] 3GPP TS 29.468: "Group Communication System Enablers for LTE (GCSE_LTE); MB2 reference point; Stage 3".
- [14] 3GPP TS 33.180: "Security of the mission critical service".