Video SWG Minutes during SA4#117e

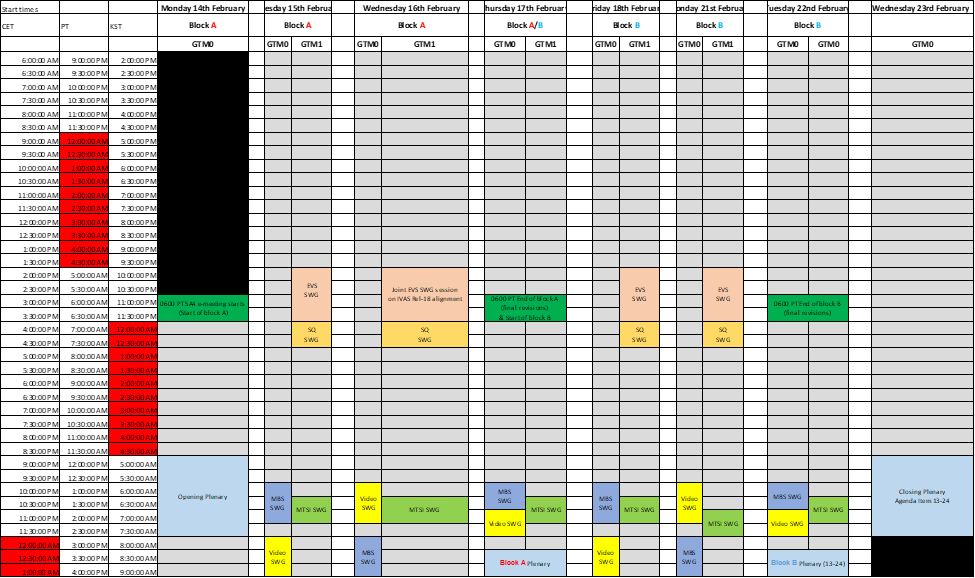
## 10.1 Opening of the session

Mr. Gilles Teniou (Tencent, Chairman of Video SWG) opens the Video SWG on February 16, 2022 at 00:00 CET.

E-mail discussion started already on Mon, 14 Feb 2022 15:55:49 +0000.

| [Start of SA4#117-e meeting - VIDEO SWG](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;194ce86e.2202B&S=) | teniou(TeniouGilles) | Mon, 14 Feb 2022 15:55:49 +0000 |
| --- | --- | --- |

**SA4 Schedule:**

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**Video Schedule**

| **Milestone/session** | **Date** | **CET** | **PST** | **KST** |
| --- | --- | --- | --- | --- |
| Start of SA4 e-meeting (Email) | 14th Feb. | 3pm | 6am | 11pm |
| Start of Block A | 14th Feb. | 3pm | 6am | 11pm |
| **VIDEO SWG Sessions (Block A)** | | | | |
| Slot 1 (90min) | 15th Feb. | Midnight  1:30am (+1) | 3pm  4:30pm | 8am (+1)  9:30am (+1) |
| Slot 2 (90min) | 16th Feb. | 10pm  11:30pm | 1pm  2:30pm | 6am (+1)  7:30am (+1) |
| End of Block A (final revisions)  Start of Block B | 17th Feb. | 3pm | 6am | 11pm |
| Slot 3 (60min) | 17th Feb. | 11pm  Midnight | 2pm  3pm | 7am (+1)  8am (+1) |
| Block A plenary | 17th Feb. | 0:30am (+1)  1:30am (+1) | 3:30pm  4:30pm | 8:30am (+1)  9:30am (+1) |
| **VIDEO SWG Sessions (Block B)** | | | | |
| Slot 4 (90 min) | 18th Feb. | Midnight  1:30am (+1) | 3pm  4:30pm | 8am (+1)  9:30am (+1) |
| Slot 5 (90min) | 21st Feb. | 10pm  11:30pm | 1pm  2:30pm | 6am (+1)  7:30am (+1) |
| End of Block B | 22nd Feb. | 3pm | 6am | 11pm |
| Slot 6 (60min) | 22nd Feb. | 11pm  Midnight | 2pm  3pm | 7am (+1)  8am (+1) |
| Block B plenary | 22nd Feb. | 9am  10am | Midnight (-1)  1am | 5pm  6pm |

Mr. Thomas Stockhammer (Qualcomm) is assigned as scribe.

The minutes are shared [Video SWG Minutes during SA4#117e](https://docs.google.com/document/d/1j3ti3t8Tw0eLERiignD9nSOBkbRugc2VY_KIaedE1EU/edit?usp=sharing).

Attendees are listed [here](#g3rz91kbo8ld), please add attendance ‘Y’.

All e-mail discussions during the meeting can be tracked here:

* https://list.etsi.org/scripts/wa.exe?A1=ind2202B&L=3GPP\_TSG\_SA\_WG4\_VIDEO
* <https://list.etsi.org/scripts/wa.exe?A1=ind2202C&L=3GPP_TSG_SA_WG4_VIDEO>
* https://list.etsi.org/scripts/wa.exe?A1=ind2202D&L=3GPP\_TSG\_SA\_WG4\_VIDEO

The agenda and the registration of documents are agreed.

The latest timestamp for e-mail is here: Wed, 23 Feb 2022 00:18:36 +0000

## 10.2 Registration of documents

| **TDoc** | **Title** | **Source** | **Agenda item** |
| --- | --- | --- | --- |
| [**S4-220192**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220192.zip) | Incoming LS from MPEG on MPEG-I scene description | MPEG | 5.3 |
| [**S4-220194**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220194.zip) | LS from MPEG on VVC CMAF Media Profiles | MPEG | 5.3 |
| [**S4-220034**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220034.zip) | [8K\_TV\_5G] Proposed Updated Work Plan | Qualcomm Incorporated | 10.5 |
| [**S4-220035**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220035.zip) | [8K\_TV\_5G] 8K HEVC Operation Point | Qualcomm Incorporated, Tencent | 10.5 |
| [**S4-220036**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220036.zip) | [8K\_TV\_5G] CMAF Alignment | Qualcomm Incorporated, Tencent | 10.5 |
| [**S4-220037**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220037.zip) | [8K\_TV\_5G] 8K TV Scenario | Qualcomm Incorporated, Fraunhofer HHI, Interdigital | 10.5 |
| [**S4-220038**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220038.zip) | [8K\_TV\_5G] 8K TV Traffic Characteristics | Qualcomm Incorporated | 10.5 |
| [**S4-220039**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220039.zip) | [8K\_TV\_5G] Proposed Exception Sheet | Qualcomm Incorporated | 10.5 |
| [**S4-220061**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220061.zip) | [8K\_TV\_5G] Proposed Updated Work Plan | Qualcomm Incorporated | 10.5 |
| [**S4-220062**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220062.zip) | 8K TV in 5GMS | Qualcomm Incorporated,Tencent | 10.5 |
| [**S4-220160**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220160.zip) | TR 26.999 v.0.7.0 | Nokia Corporation | 10.6 |
| [**S4-220040**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220040.zip) | Proposed Updated Work Plan for FS\_5GVideo | Qualcomm Incorporated | 10.7 |
| [**S4-220041**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220041.zip) | TR26.955: Proposed Editor's Update from Telcos | Qualcomm Incorporated | 10.7 |
| [**S4-220042**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220042.zip) | [FS\_5G\_Video] Status after AHG Calls | Qualcomm Incorporated | 10.7 |
| S4-220043 | [FS\_5G\_Video] Other Updates | Qualcomm Incorporated | 10.7 |
| [**S4-220044**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220044.zip) | [FS\_5G\_Video] Characterization Updates | Qualcomm Incorporated | 10.7 |
| [**S4-220045**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220045.zip) | [FS\_5G\_Video] Proposed General Definitions for Coding constraints | Qualcomm Incorporated | 10.7 |
| [**S4-220046**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220046.zip) | [FS\_5G\_Video] Proposed Exception Sheet | Qualcomm Incorporated | 10.7 |
| [**S4-220054**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220054.zip) | TR26.955: Proposed Editor's Update from Telcos | Qualcomm Incorporated | 10.7 |
| [**S4-220104**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220104.zip) | Update on AV1 Results | Google Inc. | 10.7 |
| [**S4-220105**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220105.zip) | [FS\_5GVideo] pCR 26.955: Complete metrics for EVC for scenarios 1-5 and proposed editorial updates to Section 8.3 on EVC | Samsung Electronics Co. Ltd., Qualcomm Inc. | 10.7 |
| [**S4-220106**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220106.zip) | [FS\_5GVideo] Verification of the EVC results for Scenario 1 and Scenario 2 | Samsung Electronics Co. Ltd., Qualcomm Inc. | 10.7 |
| [**S4-220171**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220171.zip) | Updated VTM software version and configuration files | Ericsson LM, Fraunhofer HHI, InterDigital, Qualcomm | 10.7 |
| [**S4-220178**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220178.zip) | [FS\_5GVideo] Potential issues with S4 anchors | Ericsson LM, InterDigital, Qualcomm Inc. | 10.7 |
| S4-220047 | [FS\_XRTraffic] Proposed Updated TR26.926 | Qualcomm Incorporated | 10.8 |
| S4-220048 | [FS\_5GSTAR] Proposes Updates to TR | Qualcomm Incorporated | 10.9 |
| [**S4-220049**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220049.zip) | [FS\_5GSTAR] Proposed Updates to Conclusions | Qualcomm Incorporated | 10.9 |
| [**S4-220060**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220060.zip) | TR26.998: Editor's Updates from Telcos | Samsung Guangzhou Mobile R&D | 10.9 |
| [**S4-220068**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220068.zip) | [FS\_5GSTAR] Update to clause 6.4.4 cognitive immersive call flow | Tencent Cloud | 10.9 |
| [**S4-220069**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220069.zip) | [FS-5GSTAR] Editorial changes to 6.6.1 Shared AR Conversational Services | Tencent Cloud | 10.9 |
| [**S4-220080**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220080.zip) | Updates to generic call flow | QUALCOMM Europe Inc. - Italy | 10.9 |
| [**S4-220125**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220125.zip) | [FS\_5GSTAR] pCR on clause 8 and 9 of TR 26.998 | Samsung Guangzhou Mobile R&D | 10.9 |
| [**S4-220128**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220128.zip) | [FS\_5GSTAR] pCR on clause 6.6 of TR 26.998 | Samsung Electronics, Tencent | 10.9 |
| [**S4-220131**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220131.zip) | Editorial and session terminology updates | Nokia Corporation | 10.9 |
| [**S4-220134**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220134.zip) | [FS\_5GSTAR] on Clause 8.5 of TR 26.998 and MeCAR WID | Samsung Electronics Romania | 10.9 |
| [**S4-220135**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220135.zip) | [FS\_5GSTAR] pCR on clause 8 of TR 26.998 | Samsung Electronics Romania | 10.9 |
| [**S4-220140**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220140.zip) | [FS\_5GSTAR] pCR 26.998 Editorial changes | Ericsson LM, Tencent | 10.9 |
| [**S4-220050**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220050.zip) | Draft Feasibility Study on Smartly Tethering AR Glasses (SmarTAR) | Qualcomm Incorporated, Facebook, Dolby Laboratories | 10.10 |
| [**S4-220079**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220079.zip) | WID on Split Rendering Media Service Enabler | QUALCOMM Europe Inc. - Italy | 10.10 |
| [**S4-220084**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220084.zip) | Draft New Feasibility Study on Artificial Intelligence (AI) and Machine Learning (ML) for Media | Samsung Electronics Co., Ltd., Qualcomm Incorporated, Fraunhofer HHI, InterDigital Communications | 10.10 |
| [**S4-220085**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220085.zip) | AI/ML work in other 3GPP WGs | SAMSUNG R&D INSTITUTE JAPAN | 10.10 |
| [**S4-220086**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220086.zip) | Discussion on AI/ML (updated) | SAMSUNG R&D INSTITUTE JAPAN | 10.10 |
| [**S4-220113**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220113.zip) | New WID on AR and MR QoE Metrics | China Unicom, Huawei Technologies Co.,Ltd., CATT | 10.10 |
| [**S4-220124**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220124.zip) | Draft SID on XR Service Collaboration in the Network Media Layer | China Mobile Com. Corporation | 10.10 |
| [**S4-220126**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220126.zip) | Draft WID on 5G media delivery architecture extensions for real-time and AR/MR experience | Samsung Guangzhou Mobile R&D | 10.10 |
| [**S4-220127**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220127.zip) | Draft WID on Media Capabilities for Augmented Reality | Xiaomi Communications, Qualcomm Incorporated | 10.10 |

## 10.3 Reports and liaisons from other groups

| [S4-220192](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220192.zip) | Incoming LS from MPEG on MPEG-I scene description | MPEG | Jayeeta Saha |
| --- | --- | --- | --- |

**E-mail Discussion:**

* none

**Revisions:**

* none

**Online Discussion:**

* Thomas presents
  + Ryan will add updated information to TR

**Decision:**

* noted

**S4-220192** is **noted.**

| [S4-220194](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220194.zip) | LS from MPEG on VVC CMAF Media Profiles | MPEG | Jayeeta Saha |
| --- | --- | --- | --- |

**E-mail Discussion: none**

**Revisions: none**

**Online Discussion:**

* Thomas presents and explains
* Documents can be accessed through liaison officers (Dave Singer and/or Mary-Luc Champel)
* No actions needed

**Decision:**

* **Noted**

**S4-220194** is **noted.**

## 10.4 CRs to Features in Release 16 and earlier

No documents

## 10.5 8K\_TV\_5G (8K Television over 5G)

*WID:*  [*SP-210381*](https://www.3gpp.org/ftp/TSG_SA/TSG_SA/TSGs_92E_Electronic_2021_06/Docs/SP-210381.zip) *New WID on ‘8K Television over 5G’*

| [S4-220034](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220034.zip) | [8K\_TV\_5G] Proposed Updated Work Plan | Qualcomm Incorporated | Thomas Stockhammer |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [[8K\_TV\_5G, 61, Block B, 18th Feb. 2200CET] Proposed Updated Work Plan](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;419126c7.2202C&S=) | teniou(TeniouGilles) | Thu, 17 Feb 2022 21:41:34 +0000 |
| --- | --- | --- |

**Revisions:**

* none

**Online Discussion:**

* Not needed as we close the study

**Decision:**

* Noted

**S4-220034** is **noted.**

| [S4-220035](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220035.zip) | [8K\_TV\_5G] 8K HEVC Operation Point | Qualcomm Incorporated, Tencent | Thomas Stockhammer |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [[8K\_TV\_5G, 35, Block B, 18th Feb. 2200CET] 8K HEVC Operation Point](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;d4b5e3fa.2202C&S=) | teniou(TeniouGilles) | Thu, 17 Feb 2022 21:40:24 +0000 |
| --- | --- | --- |

| [[8K\_TV\_5G, 35, Block B, 18th Feb. 2200CET] 8K HEVC Operation Point](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;2ea529a4.2202D&S=) | Thomas Stockhammer | Tue, 22 Feb 2022 14:29:30 +0000 |
| --- | --- | --- |
| [[8K\_TV\_5G, 35, Block B, 18th Feb. 2200CET] 8K HEVC Operation Point](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;e49b74dd.2202D&S=) | teniou(TeniouGilles) | Tue, 22 Feb 2022 16:52:53 +0000 |
| [[8K\_TV\_5G, 35, Block B, 18th Feb. 2200CET] 8K HEVC Operation Point](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;7c0c358a.2202D&S=) | Thomas Stockhammer | Tue, 22 Feb 2022 18:54:25 +0000 |
| [[8K\_TV\_5G, 35, Block B, 18th Feb. 2200CET] 8K HEVC Operation Point](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;bbe2ecdc.2202D&S=) | teniou(TeniouGilles) | Tue, 22 Feb 2022 19:17:50 +0000 |

**Revisions:**

* none

**Online Discussion:**

* Gilles summarizes
* No comments

**Decision:**

* Agreed, we created CR

**S4-220035** is **agreed.**

| [S4-220213](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220213.zip) | CR26.116-0018: 8K HEVC Operation Point and CMAF Alignment | Qualcomm Incorporated, Tencent | Thomas Stockhammer |
| --- | --- | --- | --- |

**S4-220213** is **agreed.**

| [S4-220036](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220036.zip) | [8K\_TV\_5G] CMAF Alignment | Qualcomm Incorporated, Tencent | Thomas Stockhammer |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [[8K\_TV\_5G, 36, Block B, 18th Feb. 2200CET] CMAF Alignment](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;984c9837.2202C&S=) | teniou(TeniouGilles) | Thu, 17 Feb 2022 21:40:39 +0000 |
| --- | --- | --- |

**Revisions:**

* none

**Online Discussion:**

* Thomas presents
* Editor’s Note to be removed

**Decision:**

* Agreed, add to 220213.

**S4-220036** is **agreed.**

| [S4-220037](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220037.zip) | [8K\_TV\_5G] 8K TV Scenario | Qualcomm Incorporated, Fraunhofer HHI, Interdigital | Thomas Stockhammer |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [[8K\_TV\_5G, 37, Block B, 18th Feb. 2200CET] 8K TV Scenario](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;9180f7e8.2202C&S=) | teniou(TeniouGilles) | Thu, 17 Feb 2022 21:40:53 +0000 |
| --- | --- | --- |
| [[8K\_TV\_5G, 37, Block B, 18th Feb. 2200CET] 8K TV Scenario](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;fa45e0fc.2202C&S=) | Dmytro Rusanovskyy | Fri, 18 Feb 2022 17:49:43 +0000 |
| [[8K\_TV\_5G, 37, Block B, 18th Feb. 2200CET] 8K TV Scenario](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;5a429990.2202C&S=) | teniou(TeniouGilles) | Fri, 18 Feb 2022 18:09:21 +0000 |
| [[8K\_TV\_5G, 37, Block B, 18th Feb. 2200CET] 8K TV Scenario](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;a170192f.2202C&S=) | Thomas Stockhammer | Fri, 18 Feb 2022 18:11:12 +0000 |
| [[8K\_TV\_5G, 37, Block B, 18th Feb. 2200CET] 8K TV Scenario](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;11f454da.2202C&S=) | Dmytro Rusanovskyy | Fri, 18 Feb 2022 18:22:41 +0000 |
| [[8K\_TV\_5G, 37, Block B, 18th Feb. 2200CET] 8K TV Scenario](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;94b3f00d.2202C&S=) | Emmanuel Thomas | Fri, 18 Feb 2022 20:06:11 +0000 |

| [[8K\_TV\_5G, 37, Block B, 18th Feb. 2200CET] 8K TV Scenario](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;5a77ecdc.2202D&S=) | Thomas Stockhammer | Tue, 22 Feb 2022 14:41:08 +0000 |
| --- | --- | --- |

**Revisions:**

* https://www.3gpp.org/ftp/tsg\_sa/WG4\_CODEC/TSGS4\_117-e/Inbox/drafts/Video/S4-220037-26.955-8K-HEVC-rev8\_Xiaomi.docx

**Online Discussion:**

* Gilles summarizes the discussion
* We review the Xiaomi revision

**Decision:**

* Xiaomi revision is agreed

**S4-220037** is **revised to S4-220215.**

| [S4-220215](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220215.zip) | [8K\_TV\_5G] 8K TV Scenario | Qualcomm Incorporated, Fraunhofer HHI, Interdigital | Thomas Stockhammer |
| --- | --- | --- | --- |

**S4-220215** is **agreed.**

| [S4-220038](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220038.zip) | [8K\_TV\_5G] 8K TV Traffic Characteristics | Qualcomm Incorporated | Thomas Stockhammer |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [[8K\_TV\_5G, 38, Block B, 18th Feb. 2200CET] 8K TV Traffic Characteristics](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;52007638.2202C&S=) | teniou(TeniouGilles) | Thu, 17 Feb 2022 21:41:06 +0000 |
| --- | --- | --- |
| [[8K\_TV\_5G, 38, Block B, 18th Feb. 2200CET] 8K TV Traffic Characteristics](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;87c5b3bb.2202C&S=) | Lukasz Litwic | Fri, 18 Feb 2022 07:55:20 +0000 |
| [[8K\_TV\_5G, 38, Block B, 18th Feb. 2200CET] 8K TV Traffic Characteristics](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;b95394b2.2202C&S=) | Thomas Stockhammer | Fri, 18 Feb 2022 08:24:03 +0000 |
| [[8K\_TV\_5G, 38, Block B, 18th Feb. 2200CET] 8K TV Traffic Characteristics](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;77772a6b.2202C&S=) | Lukasz Litwic | Fri, 18 Feb 2022 08:47:50 +0000 |
| [[8K\_TV\_5G, 38, Block B, 18th Feb. 2200CET] 8K TV Traffic Characteristics](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;f92f568f.2202C&S=) | Thomas Stockhammer | Fri, 18 Feb 2022 09:40:12 +0000 |
| [[8K\_TV\_5G, 38, Block B, 18th Feb. 2200CET] 8K TV Traffic Characteristics](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;c3951259.2202C&S=) | Lukasz Litwic | Fri, 18 Feb 2022 12:58:02 +0000 |

**Revisions:**

* <https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_117-e/Inbox/drafts/Video/S4-220038%20dCR26.925-8K-rev1r01.docx>
* https://www.3gpp.org/ftp/tsg\_sa/WG4\_CODEC/TSGS4\_117-e/Inbox/drafts/Video/S4-220038%20dCR26.925-8K-rev1r0\_Ericsson.docx

**Online Discussion:**

* Gilles summarizes the discussion
* We review the Ericsson revision

**Decision:**

* Agreed with revision
* revised
* We create a CR

**S4-220038** is **revised to S4-220216.**

| [S4-220216](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220216.zip) | [8K\_TV\_5G] 8K TV Traffic Characteristics | Qualcomm Incorporated | Thomas Stockhammer |
| --- | --- | --- | --- |

**S4-220216** is **agreed.**

| [S4-220217](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220217.zip) | CR26.925-0002 8K TV Traffic Characteristics | Qualcomm Incorporated | Thomas Stockhammer |
| --- | --- | --- | --- |

**Revisions:**

* none

**Online Discussion:**

* Thomas presents
* No comments

**Decision:**

* Agreed

**S4-220217** is **agreed.**

| [S4-220039](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220039.zip) | [8K\_TV\_5G] Proposed Exception Sheet | Qualcomm Incorporated | Thomas Stockhammer |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [[8K\_TV\_5G, 39, Block B, 18th Feb. 2200CET] Proposed Exception Sheet](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;16b63b73.2202C&S=) | teniou(TeniouGilles) | Thu, 17 Feb 2022 21:41:24 +0000 |
| --- | --- | --- |

**Revisions:**

* none

**Online Discussion:**

* Thomas presents.
* Alternative proposal:
  + We close study.
  + Characterization in Rel-18 Time frame TEI + 8K\_TV\_5G
* We agree to the alternative proposal

**Decision:**

* Exception Sheet is noted

**S4-220039** is **noted.**

| [S4-220218](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220039.zip) | [8K\_TV\_5G] Work Item Summary | Qualcomm Incorporated | Thomas Stockhammer |
| --- | --- | --- | --- |

**Revisions:**

* none

**Online Discussion:**

* Thomas presents.
* Online edits

**Decision:**

* Online edits agreed: <https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Inbox/drafts/Video/S4-220218-WI-Summary%20-%208K_TV-online.doc>

**S4-220218** is **revised to S4-220222.**

| [S4-220222](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220222.zip) | [8K\_TV\_5G] Work Item Summary | Qualcomm Incorporated | Thomas Stockhammer |
| --- | --- | --- | --- |

**S4-220218** is **agreed.**

| [S4-220061](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220061.zip) | [8K\_TV\_5G] Proposed Updated Work Plan | Qualcomm Incorporated | Thomas Stockhammer |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [[8K\_TV\_5G, 61, Block B, 18th Feb. 2200CET] Proposed Updated Work Plan](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;419126c7.2202C&S=) | teniou(TeniouGilles) | Thu, 17 Feb 2022 21:41:34 +0000 |
| --- | --- | --- |

**Revisions:**

* none

**Online Discussion:**

* Based on the above decision we will not need the time plan.
* We note the comment

**Decision:**

* **noted**

**S4-220061** is **noted.**

| [S4-220062](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220062.zip) | 8K TV in 5GMS | Qualcomm Incorporated,Tencent | Thomas Stockhammer |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [[8K\_TV\_5G, 62, Block B, 18th Feb. 2200CET] 8K TV in 5GMS](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;1beb885d.2202C&S=) | teniou(TeniouGilles) | Thu, 17 Feb 2022 21:41:43 +0000 |
| --- | --- | --- |

**Revisions:**

* none

**Online Discussion:**

* Gilles summarizes
* No comments

**Decision:**

* Agreed, we created CR

**S4-220062** is **agreed.**

| [S4-220214](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220214.zip) | CR26.511-0007: 8K TV in 5GMS | Qualcomm Incorporated,Tencent | Thomas Stockhammer |
| --- | --- | --- | --- |

**Revisions:**

* none

**Online Discussion:**

* Thomas presents
* Small typos

**Decision:**

* Revision needed

**S4-220214** is **revised to S4-220222.**

| [S4-220222](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220222.zip) | CR26.511-0007rev1: 8K TV in 5GMS | Qualcomm Incorporated,Tencent | Thomas Stockhammer |
| --- | --- | --- | --- |

**S4-220222** is **agreed.**

## 10.6 FS\_VR\_CoGui (Feasibility Study on VR Streaming Conformance and Guidelines)

*WID:*  [*SP-190642*](https://www.3gpp.org/ftp/Meetings_3GPP_SYNC/SA/Docs/SP-190642) *New SID on 'VR Streaming Conformance and Guidelines' (FS\_VR\_CoGui)*

| [S4-220160](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220160.zip) | TR 26.999 v.0.7.0 | Nokia Corporation | Igor Curcio |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [[FS\_VR\_CoGui, 160, Block B, 18th Feb. 2200CET] TR 26.999 v.0.7.0](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;9d1b283e.2202C&S=) | teniou(TeniouGilles) | Thu, 17 Feb 2022 21:43:42 +0000 |
| --- | --- | --- |

**Revisions:**

* none

**Online Discussion:**

* Gilles presents
* Agreement to send it to approval

**Decision:**

* agreed

**S4-220160** is **agreed.**

## 10.7 FS\_5GVideo (Feasibility Study on 5G Video Codec Characteristics)

WID:  [*SP-200052*](https://www.3gpp.org/ftp/tsg_sa/TSG_SA/TSGS_87E_Electronic/Docs/SP-200052.zip) Feasibility Study on 5G Video Codec Characteristics (FS\_5GVideo)

| [S4-220040](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220040.zip) | Proposed Updated Work Plan for FS\_5GVideo | Qualcomm Incorporated | Thomas Stockhammer |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [[FS\_5GVideo, 40, Block A, 16th Feb. 1800CET] Proposed Updated Work Plan for FS\_5GVideo](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;5c9b099e.2202B&S=) | teniou(TeniouGilles) | Mon, 14 Feb 2022 16:16:51 +0000 |
| --- | --- | --- |
| [[FS\_5GVideo, 40, Block A, 16th Feb. 1800CET] Proposed Updated Work Plan for FS\_5GVideo](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;2162d4b2.2202C&S=) | teniou(TeniouGilles) | Wed, 16 Feb 2022 12:21:55 +0000 |
| [[FS\_5GVideo, 40, Block A, 16th Feb. 1800CET] Proposed Updated Work Plan for FS\_5GVideo](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;251da026.2202C&S=) | Thomas Stockhammer | Wed, 16 Feb 2022 13:20:27 +0000 |
| [[FS\_5GVideo, 40, Block A, 16th Feb. 1800CET] Proposed Updated Work Plan for FS\_5GVideo](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;bd575104.2202C&S=) | Thomas Stockhammer | Thu, 17 Feb 2022 11:16:55 +0000 |

**Revisions:**

* https://www.3gpp.org/ftp/tsg\_sa/WG4\_CODEC/TSGS4\_117-e/Inbox/drafts/Video/S4-220040r01.doc

**Online Discussion:**

* Thomas presents r01.
* Fabrice: Any telcos between 118e and 119e
  + Thomas: not planned.
  + Gilles: can always changed
  + Frederic: going until 119 is preferred. Does not seem to make sense to schedule a call.
* Rajan: What is a work item summary?
  + Frederic: describes what a work item summary is. It is a rapporteur doc to SA plenary.

**Decision:**

* Revision is agreed

**S4-220040** is **revised to S4-220204.**

| [S4-220204](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220204.zip) | Updated Workplan | Qualcomm Incorporated | Thomas Stockhammer |
| --- | --- | --- | --- |

**S4-220204** is **agreed.**

| [S4-220041](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220041.zip) | TR26.955: Proposed Editor's Update from Telcos | Qualcomm Incorporated | Thomas Stockhammer |
| --- | --- | --- | --- |

**S4-220041** is **revised to S4-220054.**

| [S4-220042](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220042.zip) | [FS\_5G\_Video] Status after AHG Calls | Qualcomm Incorporated | Thomas Stockhammer |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [[FS\_5GVideo, 42, Block A, 16th Feb. 1800CET] Status after AHG Calls](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;3afd488b.2202B&S=) | teniou(TeniouGilles) | Mon, 14 Feb 2022 16:17:01 +0000 |
| --- | --- | --- |
| [[FS\_5GVideo, 42, Block A, 16th Feb. 1800CET] Status after AHG Calls](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;bae844d.2202C&S=) | teniou(TeniouGilles) | Wed, 16 Feb 2022 12:36:54 +0000 |

**Revisions:**

* none

**Online Discussion:**

* none

**Decision:**

* agreed

**S4-220042** is **agreed.**

| [S4-220205](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220205.zip) | [FS\_5G\_Video] Permanent Document on Status | Qualcomm Incorporated | Thomas Stockhammer |
| --- | --- | --- | --- |

**S4-220205** is **presented to SA4 plenary.**

| [S4-220043](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220043.zip) | [FS\_5G\_Video] Other Updates | Qualcomm Incorporated | Thomas Stockhammer |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [Upload of Metrics fixes in S4-220043](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;d4aaf558.2202C&S=) | Alexandros Tourapis | Wed, 16 Feb 2022 11:50:44 -0800 |
| --- | --- | --- |
| [Upload of Metrics fixes in S4-220043](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;1d6a6600.2202C&S=) | Thomas Stockhammer | Wed, 16 Feb 2022 12:51:17 +0000 |

| [Upload of Metrics fixes in S4-220043](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;d8462e78.2202C&S=) | Thomas Stockhammer | Thu, 17 Feb 2022 15:47:42 +0000 |
| --- | --- | --- |

**Revisions:**

* https://www.3gpp.org/ftp/tsg\_sa/WG4\_CODEC/TSGS4\_117-e/Inbox/drafts/Video/S4-220043r01.zip

**Online Discussion:**

* Thomas presents
  + No comments
* Lukasz: Why are there difference also for the 10-bit sequences?
  + Thomas: I re-ran all of the scripts, and fixed everything
* Dmytro: Results need to be checked
* Gilles: add results under square brackets to allow checking consistency.
* Alexis: Can we separate the 8bit and 10 bit?
  + Thomas: can do so - this is anyways in the attachments. I can do this.

**Decision:**

* Revision 1 is agreed with editing all results under square brackets and separation of the tables

**S4-220043** is **revised to S4-220207.**

| [S4-220207](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220207.zip) | [FS\_5G\_Video] Other Updates | Qualcomm Incorporated | Thomas Stockhammer |
| --- | --- | --- | --- |

**S4-220207** is **agreed.**

| [S4-220044](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220044.zip) | [FS\_5G\_Video] Characterization Updates | Qualcomm Incorporated | Thomas Stockhammer |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [[FS\_5GVideo, 44, Block A, 16th Feb. 1800CET] Characterization Updates](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;7d29a944.2202B&S=) | teniou(TeniouGilles) | Mon, 14 Feb 2022 16:17:10 +0000 |
| --- | --- | --- |

**Revisions:**

* none

**Online Discussion:**

* none

**Decision:**

* agreed

**S4-220044** is **agreed.**

| [S4-220045](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220045.zip) | [FS\_5G\_Video] Proposed General Definitions for Coding constraints | Qualcomm Incorporated | Thomas Stockhammer |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [[FS\_5GVideo, 45, Block A, 16th Feb. 1800CET] Proposed General Definitions for Coding constraints](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;94e470a9.2202B&S=) | teniou(TeniouGilles) | Mon, 14 Feb 2022 16:17:17 +0000 |
| --- | --- | --- |
| [[FS\_5GVideo, 45, Block A, 16th Feb. 1800CET] Proposed General Definitions for Coding constraints](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;ce82fe49.2202C&S=) | Fabrice Plante | Tue, 15 Feb 2022 09:33:53 -0800 |
| [[FS\_5GVideo, 45, Block A, 16th Feb. 1800CET] Proposed General Definitions for Coding constraints](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;5b34f2d7.2202C&S=) | teniou(TeniouGilles) | Wed, 16 Feb 2022 23:26:53 +0000 |
| [[FS\_5GVideo, 45, Block A, 16th Feb. 1800CET] Proposed General Definitions for Coding constraints](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;c879d975.2202C&S=) | teniou(TeniouGilles) | Wed, 16 Feb 2022 20:34:31 +0000 |

| [S4-220045-Constraints-Tencent](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;31568e60.2202C&S=) | John Simmons | Fri, 18 Feb 2022 15:00:52 -0800 |
| --- | --- | --- |

| [S4-220045-Constraints-Tencent](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;f267c8d1.2202C&S=) | John Simmons | Mon, 21 Feb 2022 14:14:34 -0800 |
| --- | --- | --- |
| [S4-220045-Constraints-Tencent](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;300a00b8.2202D&S=) | Dmytro Rusanovskyy | Tue, 22 Feb 2022 02:37:11 +0000 |
| [S4-220045-Constraints-Tencent](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;b370e271.2202D&S=) | John Simmons | Tue, 22 Feb 2022 12:29:24 +0000 |

| [[FS\_5GVideo, 45, Block A, 16th Feb. 1800CET] Proposed General Definitions for Coding constraints](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;4a371ced.2202D&S=) | Thomas Stockhammer | Tue, 22 Feb 2022 13:13:30 +0000 |
| --- | --- | --- |
| [[FS\_5GVideo, 45, Block A, 16th Feb. 1800CET] Proposed General Definitions for Coding constraints](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;4b094e4.2202D&S=) | Dmytro Rusanovskyy | Tue, 22 Feb 2022 17:33:25 +0000 |
| [[FS\_5GVideo, 45, Block A, 16th Feb. 1800CET] Proposed General Definitions for Coding constraints](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;c5a563bd.2202D&S=) | Thomas Stockhammer | Tue, 22 Feb 2022 17:56:53 +0000 |
| [[FS\_5GVideo, 45, Block A, 16th Feb. 1800CET] Proposed General Definitions for Coding constraints](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;832d17e0.2202D&S=) | Gaëlle Martin-Cocher | Tue, 22 Feb 2022 18:01:11 +0000 |
| [[FS\_5GVideo, 45, Block A, 16th Feb. 1800CET] Proposed General Definitions for Coding constraints](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;9f70ff68.2202D&S=) | Thomas Stockhammer | Tue, 22 Feb 2022 18:12:19 +0000 |
| [[FS\_5GVideo, 45, Block A, 16th Feb. 1800CET] Proposed General Definitions for Coding constraints](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;b7162883.2202D&S=) | Thomas Stockhammer | Tue, 22 Feb 2022 20:58:25 +0000 |

**Revisions:**

* <https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_117-e/Inbox/drafts/Video/S4-220045-26.955-Constraints-Tencent.docx>
* <https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_117-e/Inbox/drafts/Video/S4-220045-26.955-Constraints-Tencent-Google.zip>
* <https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_117-e/Inbox/drafts/Video/S4-220045-26.955-Constraints-r01.docx>
* https://www.3gpp.org/ftp/tsg\_sa/WG4\_CODEC/TSGS4\_117-e/Inbox/drafts/Video/S4-220045-26.955-Constraints-r02.docx

**Online Discussion:**

* Gilles presents revisions from Tencent
  + Alexis: Low-Delay P from Tencent goes into the right direction. Low-Delay P from initial submission would exclude some VVC tools
  + Dmytro: updated Low-Delay P is fine.
  + Alexis: Which wording do you prefer? Initial one is problematic as it excluded filtering. Gilles' definition with support of OBMC may be ok.
  + Dmytro: we prefer option 1. Two anchors and two codecs following low-delay P. We invite all codecs to follow option 1.
  + Dave: Why is option 1 preferred? We need to be clear before starting simulation.
  + Dmytro: see above
  + Alexis: would impact intra prediction in anchors. Option 1 is problematic. Option 2 is better.
  + Dmytro: If we can find a compromise for codec configuration, we would be ok with option 2.
  + Alexis: What is missing from option 2?
  + Dmytro: Single reference picture can include OBMC.
  + Alexis: Maybe say single list.
  + Dmytro: OBMC should be excluded.
  + Alexis: Why does OBMC not satisfy Low-Delay P?
  + Dmytro: can be tested in scenario 5. Scenario 3 is single reference.
  + Gilles summarizes the discussion.
  + Gaelle: when was this submitted - more time needed.
* On chat
  + 10:45 PM
  + Qualcomm - Wei-Jung Chien to Everyone
    - OBMC and bi-prediction from the same reference picture are actually similar in concept. if you are worry about the bi-prediction complexity you should also worry about ombc complexity
  + 10:46 PM
  + Apple - Alexandros Tourapis to Everyone
    - We would be willing to compromise on the second option and keep OBMC disabled. But if complexity was the concern, I think we need to understand that these encoders are configured in high complexity configuration. Concepts such as RDOQ are not low complexity and not exactly low delay.
  + 10:47 PM
  + Qualcomm - Wei-Jung Chien to Everyone
    - RDOQ is not a concern in HW design if you design it smartly
  + Apple - Alexandros Tourapis to Everyone
    - Actually OBMC is a multihypothesis concept :).
  + 10:48 PM
  + Apple - Alexandros Tourapis to Everyone
    - We also design HW. And we are talking about low delay and legacy implementations.
  + 10:48 PM
  + Apple - Alexandros Tourapis to Everyone
    - Please point me to your implementation of RDOQ in a HW design that can do low delay.
    - I would assume also that you do full RDO encoding in HW.
* Proposal by Google:
  + John explains the situation
    - Alexis: We can remove constrained from Low-delay P
  + Thomas: are we agreeing that there is no impact on the anchors?
    - Alexis: yes, this seems to be the case, but note that this also disable CIIP in VVC
  + Thomas: propose to finalize in the washup
  + Gaelle: can we make it include - ok
  + Online edits: <https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Inbox/drafts/Video/S4-220045-26.955-Constraints-Tencent-Google-online.docx>
  + Thomas will create new version for review
  + Goes to washup.
  + John provides a revised version: <https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_117-e/Inbox/drafts/Video/S4-220045-26.955-Constraints-Tencent-Google-r1.zip>
* Thomas presents r02
  + Alexis: do we need constrained?
    - Gilles: not needed, also added low-delay before B
    - Gaelle: a or the block?
    - Alexis: agree to change
  + Thomas: performs => may perform
    - Agree
  + John: Remove note in change 5
  + Thomas: will update for call

**Decision:**

* Agreed on online edited version
* <https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Inbox/drafts/S4-220045-26.955-Constraints-r02-online.docx>

**S4-220045** is **revised to S4-220224.**

| [S4-220224](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220224.zip) | [FS\_5G\_Video] Proposed General Definitions for Coding constraints | Qualcomm Incorporated, Tencent, Google | Thomas Stockhammer |
| --- | --- | --- | --- |

**S4-220224** is **agreed.**

| [S4-220046](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220046.zip) | [FS\_5G\_Video] Proposed Exception Sheet | Qualcomm Incorporated | Thomas Stockhammer |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [[FS\_5GVideo, 46, Block A, 16th Feb. 1800CET] Proposed Exception Sheet](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;f2d19d0d.2202B&S=) | teniou(TeniouGilles) | Mon, 14 Feb 2022 16:17:24 +0000 |
| --- | --- | --- |

**Revisions:**

* none

**Online Discussion:**

* none

**Decision:**

* agreed

**S4-220046** is **agreed.**

| [S4-220054](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220054.zip) | TR26.955: Proposed Editor's Update from Telcos | Qualcomm Incorporated | Thomas Stockhammer |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [[FS\_5GVideo, 54, Block A, 16th Feb. 1800CET] Proposed Editor's Update from Telcos](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;2907aca7.2202B&S=) | teniou(TeniouGilles) | Mon, 14 Feb 2022 16:17:42 +0000 |
| --- | --- | --- |

**Revisions:**

* none

**Online Discussion:**

* none

**Decision:**

* agreed

**S4-220054** is **agreed.**

| [S4-220206](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220206.zip) | TR26.955v1.5.0 | Qualcomm Incorporated | Thomas Stockhammer |
| --- | --- | --- | --- |

**S4-220206** is **presented to SA4 plenary.**

| [S4-220104](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220104.zip) | Update on AV1 Results | Google Inc. | John Simmons |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [[FS\_5GVideo, 104, Block A, 16th Feb. 1800CET] Update on AV1 Results](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;68d62c5b.2202B&S=) | teniou(TeniouGilles) | Mon, 14 Feb 2022 16:17:53 +0000 |
| --- | --- | --- |
| [[FS\_5GVideo, 104, Block A, 16th Feb. 1800CET] Update on AV1 Results](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;54a86022.2202C&S=) | Dmytro Rusanovskyy | Tue, 15 Feb 2022 01:49:24 +0000 |

**Revisions:**

* none

**Online Discussion:**

* John and Ryan present
* Thomas: Bitstreams are here as candidate submission: <https://dash-large-files.akamaized.net/WAVE/3GPP/5GVideo/Others/CandidateSubmission/Bitstreams/>
* Gaelle: I have not seen the results. Can I agree on those.
  + Thomas: uploaded - see above. But not announced
* Dmytro: Two issues: results and scenario 3 configuration.
  + Scenario 3 configuration not agreed
  + Results need to be checked first
* Gilles: mostly to check scenario 3. Any concerns on config 3.
  + Dmytro: Which tools do multi-hypothesis?
  + Ryan: compound and OBMC
  + Dmytro: Also enabled in scenario 1, 2, 3, 5?
  + Ryan: yes by default
  + Dmytro: agree that this should be disabled?
  + Ryan: no agreement yet
  + Dmytro: agree
* Dmytro: propose to disable compound modes and OBMC.
* Gilles: maybe we test with both configurations?
  + Gaelle: too much effort
* Thomas: if we have no consensus, it is not a work item objective to do a full set of tests for new codecs. We just do not document anything.
* John: We have not given ourselves sufficient time to discuss Low-Delay P. Why OBMC for example not permitted? No sufficient answer.
  + Gaelle: S3/S4-5 will be quite different. Was agreed. We have sufficient differentiation , also as close as possible configuration across codecs for a given scenario. Worked well in other scenarios.
  + Gilles: disagree with Gaelle, should be based on service scenario.
* Gilles - no consensus: noted.

**Decision:**

* **No agreement yet. Test Vectors need to be reviewed first. They are on the the server:** <https://dash-large-files.akamaized.net/WAVE/3GPP/5GVideo/Others/CandidateSubmission/Bitstreams/>

**S4-220104** is **noted.**

| [S4-220105](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220105.zip) | [FS\_5GVideo] pCR 26.955: Complete metrics for EVC for scenarios 1-5 and proposed editorial updates to Section 8.3 on EVC | Samsung Electronics Co. Ltd., Qualcomm Inc. | Rajan Joshi |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [[FS\_5GVideo, 105, Block A, 16th Feb. 1800CET] metrics and editorial updates for EVC](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;7d79b81b.2202B&S=) | Thomas Stockhammer | Mon, 14 Feb 2022 18:09:54 +0000 |
| --- | --- | --- |
| [[FS\_5GVideo, 105, Block A, 16th Feb. 1800CET] metrics and editorial updates for EVC](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;79341bdd.2202B&S=) | teniou(TeniouGilles) | Mon, 14 Feb 2022 16:17:58 +0000 |
| [[FS\_5GVideo, 105, Block A, 16th Feb. 1800CET] metrics and editorial updates for EVC](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;4edee643.2202C&S=) | Dmytro Rusanovskyy | Tue, 15 Feb 2022 03:50:45 +0000 |
| [[FS\_5GVideo, 105, Block A, 16th Feb. 1800CET] metrics and editorial updates for EVC](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;78e4c272.2202C&S=) | Gaëlle Martin-Cocher | Tue, 15 Feb 2022 15:42:08 +0000 |
| [[FS\_5GVideo, 105, Block A, 16th Feb. 1800CET] metrics and editorial updates for EVC](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;78e4c272.2202C&S=) | Gaëlle Martin-Cocher | Tue, 15 Feb 2022 15:42:08 +0000 |
| [[FS\_5GVideo, 105, Block A, 16th Feb. 1800CET] metrics and editorial updates for EVC](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;7f9e62e4.2202C&S=) | Rajan Laxman Joshi | Tue, 15 Feb 2022 02:19:22 +0000 |
| [[FS\_5GVideo, 105, Block A, 16th Feb. 1800CET] metrics and editorial updates for EVC](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;f63307ea.2202C&S=) | Rajan Laxman Joshi | Wed, 16 Feb 2022 05:13:56 +0000 |
| [[FS\_5GVideo, 105, Block A, 16th Feb. 1800CET] metrics and editorial updates for EVC](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;6f57f8c8.2202C&S=) | Rajan Laxman Joshi | Wed, 16 Feb 2022 05:08:43 +0000 |

**Revisions:**

· none

**Online Discussion:**

* Gilles summarizes the discussion.
* Gaelle: still unclear on the details of the version, we submitted a bug.
  + Rajan: minor differences. Can be ignored
  + Gaelle: Can we add a note that 7.5.1 is preferably used.
  + Rajan: explains the details

**Decision:**

* Agreed
* Source will work with rapporteur on integration.

**S4-220105** is **agreed.**

| [S4-220106](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220106.zip) | [FS\_5GVideo] Verification of the EVC results for Scenario 1 and Scenario 2 | Samsung Electronics Co. Ltd., Qualcomm Inc. | Rajan Joshi |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [[FS\_5GVideo, 106, Block A, 16th Feb. 1800CET] Verification of the EVC results for Scenario 1 and 2](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;7dd1efe1.2202B&S=) | teniou(TeniouGilles) | Mon, 14 Feb 2022 16:18:05 +0000 |
| --- | --- | --- |
| [[FS\_5GVideo, 106, Block A, 16th Feb. 1800CET] Verification of the EVC results for Scenario 1 and 2](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;9a2c83d0.2202B&S=) | Rajan Laxman Joshi | Mon, 14 Feb 2022 18:26:47 +0000 |
| [[FS\_5GVideo, 106, Block A, 16th Feb. 1800CET] Verification of the EVC results for Scenario 1 and 2](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;bdd714e4.2202B&S=) | Thomas Stockhammer | Mon, 14 Feb 2022 18:18:35 +0000 |

**Revisions:**

* none

**Online Discussion:**

* none

**Decision:**

* Agreed
* Source will work with rapporteur on verification report.

**S4-220106** is **agreed.**

| [S4-220171](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220171.zip) | Updated VTM software version and configuration files | Ericsson LM, Fraunhofer HHI, InterDigital, Qualcomm | Dmytro Rusanovskyy |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [[FS\_5GVideo, 171, Block A, 16th Feb. 1800CET] Updated VTM software version and configuration files](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;ebcbe864.2202B&S=) | teniou(TeniouGilles) | Mon, 14 Feb 2022 16:18:14 +0000 |
| --- | --- | --- |
| [[FS\_5GVideo, 171, Block A, 16th Feb. 1800CET] Updated VTM software version and configuration files](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;57125864.2202C&S=) | Fabrice Plante | Tue, 15 Feb 2022 09:35:03 -0800 |
| [[FS\_5GVideo, 171, Block A, 16th Feb. 1800CET] Updated VTM software version and configuration files](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;c6eae11b.2202C&S=) | Dmytro Rusanovskyy | Tue, 15 Feb 2022 22:51:53 +0000 |
| [[FS\_5GVideo, 171, Block A, 16th Feb. 1800CET] Updated VTM software version and configuration files](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;6441313d.2202C&S=) | Fabrice Plante | Wed, 16 Feb 2022 10:22:03 -0800 |
| [[FS\_5GVideo, 171, Block A, 16th Feb. 1800CET] Updated VTM software version and configuration files](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;2ccca897.2202C&S=) | Dmytro Rusanovskyy | Wed, 16 Feb 2022 18:06:02 +0000 |
| [[FS\_5GVideo, 171, Block A, 16th Feb. 1800CET] Updated VTM software version and configuration files](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;5e944569.2202C&S=) | Fabrice Plante | Wed, 16 Feb 2022 06:41:13 -0800 |

**Revisions:**

* none

**Online Discussion:**

* Gilles: summarizes the discussion

**Decision:**

* Agreed
* Bitstreams and metrics need to be removed.

**S4-220171** is **agreed.**

| [S4-220178](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220178.zip) | [FS\_5GVideo] Potential issues with S4 anchors | Ericsson LM, InterDigital, Qualcomm Inc. | Lukasz Litwic |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [[FS\_5GVideo, 178, Block A, 16th Feb. 1800CET] Potential issues with S4 anchors](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;4f2b949c.2202B&S=) | teniou(TeniouGilles) | Mon, 14 Feb 2022 16:18:19 +0000 |
| --- | --- | --- |
| [[FS\_5GVideo, 178, Block A, 16th Feb. 1800CET] Potential issues with S4 anchors](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;616a194.2202B&S=) | Thomas Stockhammer | Mon, 14 Feb 2022 18:15:58 +0000 |
| [[FS\_5GVideo, 178, Block A, 16th Feb. 1800CET] Potential issues with S4 anchors](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;c78b0b5a.2202C&S=) | teniou(TeniouGilles) | Wed, 16 Feb 2022 23:09:26 +0000 |

**Revisions:**

* none

**Online Discussion:**

* Lukasz: can we add characterization for non-verified data
* Alexis: can we add md5 for 10 bit sequences
  + Thomas: quite some work, will check with Nils
* We discuss together with 43. If 43 is agreed, 178 can be noted.

**Decision:**

* Initially parked
* After 043 is agreed, this one can be noted.

**S4-220178** is **noted.**

| [S4-220202](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220206.zip) | [FS\_5G\_Video] Verification Updates | Qualcomm Incorporated | Thomas Stockhammer |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [Upload of 202](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;cb4e642c.2202C&S=) | Thomas Stockhammer | Mon, 21 Feb 2022 18:21:51 +0000 |
| --- | --- | --- |

**Revisions:**

* none

**Online Discussion:**

* none

**Decision:**

* Noted - late submission

**S4-220202** is **noted.**

## 10.8 FS\_XRTraffic (Feasibility Study on Typical Traffic Characteristics for XR Services and other Media)

*WID:* [*SP-200054*](https://www.3gpp.org/ftp/tsg_sa/TSG_SA/TSGS_87E_Electronic/Docs/SP-200054.zip) *Feasibility Study on Typical Traffic Characteristics for XR Services and other Media*

| [S4-220047](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220047.zip) | [FS\_XRTraffic] Proposed Updated TR26.926 | Qualcomm Incorporated | Thomas Stockhammer |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [Upload of S4-220047](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;b8001d4a.2202C&S=) | Thomas Stockhammer | Mon, 21 Feb 2022 13:52:35 +0000 |
| --- | --- | --- |

| [Upload of S4-220047](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;4420b07f.2202C&S=) | Fabrice Plante | Mon, 21 Feb 2022 15:58:29 -0800 |
| --- | --- | --- |

**Revisions:**

· none

**Online Discussion:**

* Fabrice: Simulations to be done
  + Thomas: Already done for RAN, new ones not needed for now

**Decision:**

* Agreed - we create new doc for TR and Time Plan

**S4-220047** is **agreed.**

| [S4-220220](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220220.zip) | TR26.926 v1.1.0 | Qualcomm Incorporated | Thomas Stockhammer |
| --- | --- | --- | --- |

**S4-220220** is **agreed.**

| [S4-220221](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220221.zip) | [FS\_XRTraffic] Proposed Updated Time Plans | Qualcomm Incorporated | Thomas Stockhammer |
| --- | --- | --- | --- |

**S4-220221** is **agreed.**

## 10.9 FS\_5GSTAR (Feasibility Study on 5G Glass-type AR/MR Devices)

*WID:* [*SP\_200399*](http://www.3gpp.org/ftp/tsg_sa/TSG_SA/TSGS_88E_Electronic/Docs/SP-200399.zip) *New SID on 5G Glass-type AR/MR Devices*

| S4-220048 | [FS\_5GSTAR] Proposes Updates to TR | Qualcomm Incorporated | Thomas Stockhammer |
| --- | --- | --- | --- |

**S4-220048** is **withdrawn.**

| [S4-220049](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220049.zip) | [FS\_5GSTAR] Proposed Updates to Conclusions | Qualcomm Incorporated | Thomas Stockhammer |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [[FS\_5GSTAR, 49, Block A, 15th Feb. 1800CET] Proposed Updates to Conclusions](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;b4d617b0.2202B&S=) | teniou(TeniouGilles) | Mon, 14 Feb 2022 15:56:33 +0000 |
| --- | --- | --- |
| [[FS\_5GSTAR, 49, Block A, 15th Feb. 1800CET] Proposed Updates to Conclusions](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;7cdc05f2.2202C&S=) | Thomas Stockhammer | Tue, 15 Feb 2022 10:48:53 +0000 |
| [[FS\_5GSTAR, 49, Block A, 15th Feb. 1800CET] Proposed Updates to Conclusions](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;db03e306.2202C&S=) | Emmanuel Thomas | Tue, 15 Feb 2022 14:15:11 +0000 |
| [[FS\_5GSTAR, 49, Block A, 15th Feb. 1800CET] Proposed Updates to Conclusions](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;ba162db7.2202C&S=) | Emmanuel Thomas | Tue, 15 Feb 2022 16:01:04 +0000 |
| [[FS\_5GSTAR, 49, Block A, 15th Feb. 1800CET] Proposed Updates to Conclusions](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;f55e82f3.2202C&S=) | Curcio, Igor (Nokia - FI/Tampere) | Tue, 15 Feb 2022 13:49:34 +0000 |
| [[FS\_5GSTAR, 49, Block A, 15th Feb. 1800CET] Proposed Updates to Conclusions](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;6d5eefd7.2202C&S=) | Thomas Stockhammer | Tue, 15 Feb 2022 14:30:09 +0000 |
| [[FS\_5GSTAR, 49, Block A, 15th Feb. 1800CET] Proposed Updates to Conclusions](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;7cdc05f2.2202C&S=) | Thomas Stockhammer | Tue, 15 Feb 2022 10:48:53 +0000 |
| [[FS\_5GSTAR, 49, Block A, 15th Feb. 1800CET] Proposed Updates to Conclusions](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;29d95d14.2202C&S=) | Thomas Stockhammer | Tue, 15 Feb 2022 14:00:54 +0000 |
| [[FS\_5GSTAR, 49, Block A, 15th Feb. 1800CET] Proposed Updates to Conclusions](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;f55e82f3.2202C&S=) | Curcio, Igor (Nokia - FI/Tampere) | Tue, 15 Feb 2022 13:49:34 +0000 |
| [[FS\_5GSTAR, 49, Block A, 15th Feb. 1800CET] Proposed Updates to Conclusions](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;2e9a688.2202C&S=) | Emmanuel Thomas | Tue, 15 Feb 2022 10:12:53 +0000 |
| [[FS\_5GSTAR, 49, Block A, 15th Feb. 1800CET] Proposed Updates to Conclusions](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;db03e306.2202C&S=) | Emmanuel Thomas | Tue, 15 Feb 2022 14:15:11 +0000 |
| [[FS\_5GSTAR, 49, Block A, 15th Feb. 1800CET] Proposed Updates to Conclusions](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;6d5eefd7.2202C&S=) | Thomas Stockhammer | Tue, 15 Feb 2022 14:30:09 +0000 |
| [[FS\_5GSTAR, 49, Block A, 15th Feb. 1800CET] Proposed Updates to Conclusions](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;29d95d14.2202C&S=) | Thomas Stockhammer | Tue, 15 Feb 2022 14:00:54 +0000 |
| [[FS\_5GSTAR, 49, Block A, 15th Feb. 1800CET] Proposed Updates to Conclusions](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;2e9a688.2202C&S=) | Emmanuel Thomas | Tue, 15 Feb 2022 10:12:53 +0000 |

| [[FS\_5GSTAR, 49, Block A, 15th Feb. 1800CET] Proposed Updates to Conclusions](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;8be7c716.2202C&S=) | Thomas Stockhammer | Wed, 16 Feb 2022 14:40:10 +0000 |
| --- | --- | --- |

**Revisions:**

* <https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_117-e/Inbox/drafts/Video/S4-220049r1.docx>
* <https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_117-e/Inbox/drafts/Video/S4-220049r2.docx>
* <https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_117-e/Inbox/drafts/Video/S4-220049r3.docx>
* https://www.3gpp.org/ftp/tsg\_sa/WG4\_CODEC/TSGS4\_117-e/Inbox/drafts/Video/S4-220049r04.docx

**Online Discussion:**

* Thomas summarizes r03.
  + Ryan: ok, just requires some updates in 8.8.
  + Thomas: suggest to possibly structure the clause to also express the dependencies
  + Stefan: Change work items names?
    - Thomas: TR was first
    - Igor: work item and TR do not have to align.
    - Gilles: Confusion comes from workshops inviting draft WIDs. Drafting conclusions is the appropriate approach. The objectives align with the TR.
  + Ryan: I agree with Gilles. Some of the words have been created in TR.
  + Iraj: also agree
  + Ahmed: point to clauses rather
    - Gilles: Why remove those
  + Nataka: Looking at 8.4, there may be some discrepancies with the work items in MTSI
    - Thomas: Conclusions are not there to match exactly. But we should draw conclusions and the use the conclusions for the next work.
    - Gilles: We do not have to match.
  + Thomas: Suggests to re-read it without knowledge of work items and do some updates.
    - Ahmed: still prefers to update to clauses, remove acronyms
* Thomas presents r04
  + No comments

**Decision:**

* R03 Updates needed to remove any work item topics.
* R04 is agreed

**S4-220049** is **revised to S4-220210.**

| [S4-220210](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220210zip) | [FS\_5GSTAR] Proposed Updates to Conclusions | Qualcomm Incorporated | Thomas Stockhammer |
| --- | --- | --- | --- |

**S4-220210** is **agreed.**

| [S4-220060](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220060.zip) | TR26.998: Editor's Updates from Telcos | Samsung Guangzhou Mobile R&D | Hakju Ryan Lee |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [[FS\_5GSTAR, 60, Block A, 15th Feb. 1800CET] Editor's Updates from Telcos](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;45a1017f.2202B&S=) | teniou(TeniouGilles) | Mon, 14 Feb 2022 15:56:54 +0000 |
| --- | --- | --- |
| [[FS\_5GSTAR, 60, Block A, 15th Feb. 1800CET] Editor's Updates from Telcos](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;a5bd3e88.2202C&S=) | Thomas Stockhammer | Tue, 15 Feb 2022 18:38:15 +0000 |
| [[FS\_5GSTAR, 60, Block A, 15th Feb. 1800CET] Editor's Updates from Telcos](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;15e491b1.2202C&S=) | Hakju Ryan Lee |  |

**Revisions:**

· none

**Online Discussion:**

* Gilles summarizes the discussion
* Add scene description updates.

**Decision:**

* Agreed with the comment.
* Ryan also updated the other references

**S4-220060** is **agreed.**

| [S4-220198](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220198.zip) | TR26.998 v1.2.0 | Samsung Guangzhou Mobile R&D | Hakju Ryan Lee |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [Draft version of TR 26.998 v1.2.0 in Draft folder](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;f1128026.2202C&S=) | Hakju Ryan Lee | Fri, 18 Feb 2022 23:22:49 +0900 |
| --- | --- | --- |

**Revisions:**

* https://www.3gpp.org/ftp/tsg\_sa/WG4\_CODEC/TSGS4\_117-e/Inbox/drafts/Video/S4-220198r01.zip

**Online Discussion:**

* none

**Decision:**

* Send to SA4 plenary

**S4-220198** is **sent to SA4 plenary.**

| [S4-220068](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220068.zip) | [FS\_5GSTAR] Update to clause 6.4.4 cognitive immersive call flow | Tencent Cloud | Iraj Sodagar |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [[FS\_5GSTAR, 68, Block A, 15th Feb. 1800CET] Update to clause 6.4.4 cognitive immersive call flow](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;786e39e5.2202B&S=) | Emmanuel Thomas | Mon, 14 Feb 2022 19:39:38 +0000 |
| --- | --- | --- |
| [[FS\_5GSTAR, 68, Block A, 15th Feb. 1800CET] Update to clause 6.4.4 cognitive immersive call flow](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;4b64754e.2202B&S=) | Iraj Sodagar | Mon, 14 Feb 2022 19:45:10 +0000 |
| [[FS\_5GSTAR, 68, Block A, 15th Feb. 1800CET] Update to clause 6.4.4 cognitive immersive call flow](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;98aac0e3.2202B&S=) | Imed Bouazizi | Mon, 14 Feb 2022 17:05:26 +0000 |
| [[FS\_5GSTAR, 68, Block A, 15th Feb. 1800CET] Update to clause 6.4.4 cognitive immersive call flow](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;dd37671a.2202B&S=) | teniou(TeniouGilles) | Mon, 14 Feb 2022 15:57:17 +0000 |
| [[FS\_5GSTAR, 68, Block A, 15th Feb. 1800CET] Update to clause 6.4.4 cognitive immersive call flow](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;f2a7b86e.2202B&S=) | Iraj Sodagar | Mon, 14 Feb 2022 19:55:10 +0000 |
| [[FS\_5GSTAR, 68, Block A, 15th Feb. 1800CET] Update to clause 6.4.4 cognitive immersive call flow](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;bf4e2492.2202B&S=) | Hakju Ryan Lee | Tue, 15 Feb 2022 07:22:19 +0900 |
| [[FS\_5GSTAR, 68, Block A, 15th Feb. 1800CET] Update to clause 6.4.4 cognitive immersive call flow](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;8840b6f8.2202C&S=) | Emmanuel Thomas | Tue, 15 Feb 2022 09:35:33 +0000 |
| [[FS\_5GSTAR, 68, Block A, 15th Feb. 1800CET] Update to clause 6.4.4 cognitive immersive call flow](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;8840b6f8.2202C&S=) | Emmanuel Thomas | Tue, 15 Feb 2022 09:35:33 +0000 |

| [[FS\_5GSTAR, 68, Block A, 15th Feb. 1800CET] Update to clause 6.4.4 cognitive immersive call flow](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;dee42fee.2202C&S=) | Iraj Sodagar | Tue, 15 Feb 2022 22:08:51 +0000 |
| --- | --- | --- |
| [[FS\_5GSTAR, 68, Block A, 15th Feb. 1800CET] Update to clause 6.4.4 cognitive immersive call flow](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;b6cc8781.2202C&S=) | Emmanuel Thomas | Tue, 15 Feb 2022 23:22:41 +0000 |

**Revisions:**

* <https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_117-e/Inbox/drafts/Video/S4-220068-5GSTAR-CongitiveUpdate-r01.docx>

**Online Discussion:**

* Iraj summarizes the updates in r01.
* No further comments.

**Decision:**

* Revision r01 is agreed

**S4-220068** is **revised to S4-220199.**

| [S4-220199](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220199.zip) | [FS\_5GSTAR] Update to clause 6.4.4 cognitive immersive call flow | Tencent Cloud | Iraj Sodagar |
| --- | --- | --- | --- |

**S4-220199** is **agreed**.

| [S4-220069](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220069.zip) | [FS-5GSTAR] Editorial changes to 6.6.1 Shared AR Conversational Services | Tencent Cloud | Iraj Sodagar |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [[FS\_5GSTAR, 69, Block A, 15th Feb. 1800CET] Editorial changes to 6.6.1 Shared AR Conversational Services](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;2a81d5b6.2202B&S=) | Iraj Sodagar | Mon, 14 Feb 2022 20:35:17 +0000 |
| --- | --- | --- |
| [[FS\_5GSTAR, 69, Block A, 15th Feb. 1800CET] Editorial changes to 6.6.1 Shared AR Conversational Services](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;4767745d.2202B&S=) | Emmanuel Thomas | Mon, 14 Feb 2022 19:57:08 +0000 |
| [[FS\_5GSTAR, 69, Block A, 15th Feb. 1800CET] Editorial changes to 6.6.1 Shared AR Conversational Services](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;b34498a3.2202B&S=) | teniou(TeniouGilles) | Mon, 14 Feb 2022 15:57:41 +0000 |
| [[FS\_5GSTAR, 69, Block A, 15th Feb. 1800CET] Editorial changes to 6.6.1 Shared AR Conversational Services](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;fcf31a4e.2202B&S=) | Imed Bouazizi | Mon, 14 Feb 2022 17:12:46 +0000 |
| [[FS\_5GSTAR, 69, Block A, 15th Feb. 1800CET] Editorial changes to 6.6.1 Shared AR Conversational Services](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;8e1a776.2202C&S=) | Emmanuel Thomas | Tue, 15 Feb 2022 09:14:04 +0000 |

| [[FS\_5GSTAR, 69, Block A, 15th Feb. 1800CET] Editorial changes to 6.6.1 Shared AR Conversational Services](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;4175b2e4.2202C&S=) | Iraj Sodagar | Tue, 15 Feb 2022 22:23:43 +0000 |
| --- | --- | --- |
| [[FS\_5GSTAR, 69, Block A, 15th Feb. 1800CET] Editorial changes to 6.6.1 Shared AR Conversational Services](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;2bca62a9.2202C&S=) | Emmanuel Thomas | Tue, 15 Feb 2022 23:28:28 +0000 |
| [[FS\_5GSTAR, 69, Block A, 15th Feb. 1800CET] Editorial changes to 6.6.1 Shared AR Conversational Services](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;83599450.2202C&S=) | Iraj Sodagar | Wed, 16 Feb 2022 06:00:14 +0000 |

**Revisions:**

* <https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_117-e/Inbox/drafts/video/S4-220069-%20editorialARSharedCovenrsational-r01.docx>
* <https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_117-e/Inbox/drafts/video/S4-220069-%20editorialARSharedCovenrsational-r02.docx>

**Online Discussion:**

* Gilles summarizes discussion
* Iraj presents the revision
* Emmanuel: Thanks
* Imed: Thanks for clarification. You can have an immersive experience on AR devices - using a scene.
  + Iraj: can make a revision
  + We continue with revisions
* Iraj presents r02
* Ali: What does non-AR mean? VR? 2D?
  + Iraj: could be either

**Decision:**

* R02 is agreed

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**S4-220069** is **revised to S4-220208.**

| [S4-220208](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220208.zip) | [FS-5GSTAR] Editorial changes to 6.6.1 Shared AR Conversational Services | Tencent Cloud | Iraj Sodagar |
| --- | --- | --- | --- |

**S4-220208** is **agreed.**

| [S4-220080](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220080.zip) | Updates to generic call flow | QUALCOMM Europe Inc. - Italy | Imed Bouazizi |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [[FS\_5GSTAR, 80, Block A, 15th Feb. 1800CET] Updates to generic call flow](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;ec643a73.2202B&S=) | teniou(TeniouGilles) | Mon, 14 Feb 2022 15:58:05 +0000 |
| --- | --- | --- |
| [[FS\_5GSTAR, 80, Block A, 15th Feb. 1800CET] Updates to generic call flow](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;1cfa7ec1.2202B&S=) | Iraj Sodagar | Mon, 14 Feb 2022 19:36:07 +0000 |
| [[FS\_5GSTAR, 80, Block A, 15th Feb. 1800CET] Updates to generic call flow](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;ef1b62f9.2202C&S=) | Ahsan, Saba (Nokia - FI/Espoo) | Tue, 15 Feb 2022 09:55:28 +0000 |
| [[FS\_5GSTAR, 80, Block A, 15th Feb. 1800CET] Updates to generic call flow](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;427d1993.2202C&S=) | Ali El Essaili | Tue, 15 Feb 2022 10:29:18 +0000 |
| [[FS\_5GSTAR, 80, Block A, 15th Feb. 1800CET] Updates to generic call flow](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;ef1b62f9.2202C&S=) | Ahsan, Saba (Nokia - FI/Espoo) | Tue, 15 Feb 2022 09:55:28 +0000 |
| [[FS\_5GSTAR, 80, Block A, 15th Feb. 1800CET] Updates to generic call flow](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;427d1993.2202C&S=) | Ali El Essaili | Tue, 15 Feb 2022 10:29:18 +0000 |

| [[FS\_5GSTAR, 80, Block A, 15th Feb. 1800CET] Updates to generic call flow](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;28d05344.2202C&S=) | Iraj Sodagar | Wed, 16 Feb 2022 23:55:27 +0000 |
| --- | --- | --- |

**Revisions:**

* none

**Online Discussion:**

* Gilles summarizes the discussion. Clearly an overlap of 80, 140 and 131.
* Proposal for an offline call for 9am pdt for 4.3.1 and 4.3.2.
* Imed presents the rest of the document
* Saba: good to re-use the number of sessions. Not completely convinced on the proposal.
* Ryan: agree in principle - we can take offline
* Iraj agrees as well.

**Decision:**

* Offline call on 4.3.1 and 4.3.2
* Merged to 203

**S4-220080** is **revised to S4-220203.**

| [S4-220203](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220203.zip) | Updates to generic call flow | QUALCOMM Europe Inc. - Italy | Imed Bouazizi |
| --- | --- | --- | --- |

**S4-220203** is **agreed.**

| [S4-220125](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220125.zip) | [FS\_5GSTAR] pCR on clause 8 and 9 of TR 26.998 | Samsung Guangzhou Mobile R&D | Hakju Ryan Lee |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [[FS\_5GSTAR, 125, Block A, 15th Feb. 1800CET] pCR on clause 8 and 9 of TR 26.998](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;6c1f1fd7.2202B&S=) | Imed Bouazizi | Mon, 14 Feb 2022 17:46:42 +0000 |
| --- | --- | --- |
| [[FS\_5GSTAR, 125, Block A, 15th Feb. 1800CET] pCR on clause 8 and 9 of TR 26.998](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;ba575499.2202B&S=) | teniou(TeniouGilles) | Mon, 14 Feb 2022 15:58:29 +0000 |
| [[FS\_5GSTAR, 125, Block A, 15th Feb. 1800CET] pCR on clause 8 and 9 of TR 26.998](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;721a7e9c.2202B&S=) | Hakju Ryan Lee | Tue, 15 Feb 2022 07:02:28 +0900 |

**Revisions:**

* https://www.3gpp.org/ftp/tsg\_sa/WG4\_CODEC/TSGS4\_117-e/Inbox/drafts/Video/S4-220125r01.docx

**Online Discussion:**

* Ryan presents.
* Thomas: not clause 9, needs updates.

**Decision:**

* **Agree on clause 8.8**
* **Continue discussion in 9**

**S4-220125** is **revised to S4-220200.**

| [S4-220200](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220200.zip) | [FS\_5GSTAR] pCR on clause 8 of TR 26.998 | Samsung Guangzhou Mobile R&D | Hakju Ryan Lee |
| --- | --- | --- | --- |

**S4-220200** is **agreed.**

| [S4-220201](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220201.zip) | [FS\_5GSTAR] pCR on clause 9 of TR 26.998 | Samsung Guangzhou Mobile R&D, Qualcomm | Hakju Ryan Lee |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [Draft S4-220201 in Draft folder](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;37802ed.2202C&S=) | Hakju Ryan Lee | Thu, 17 Feb 2022 03:10:00 +0900 |
| --- | --- | --- |
| [Draft S4-220201 in Draft folder](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;2399c436.2202C&S=) | Thomas Stockhammer | Wed, 16 Feb 2022 18:25:34 +0000 |
| [Draft S4-220201 in Draft folder](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;3b8f0cb7.2202C&S=) | Hakju Ryan Lee | Thu, 17 Feb 2022 20:40:22 +0900 |
| [Draft S4-220201 in Draft folder](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;695410b3.2202C&S=) | Thomas Stockhammer | Thu, 17 Feb 2022 16:25:27 +0000 |

**Revisions:**

* Draft <https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_117-e/Inbox/drafts/Video/S4-220201r01.docx>
* <https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_117-e/Inbox/drafts/Video/S4-220201r01_QC.docx>

**Online Discussion:**

* Ryan presents draft

**Decision:**

* **Agree**

**S4-220201** is **agreed.**

| [S4-220128](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220128.zip) | [FS\_5GSTAR] pCR on clause 6.6 of TR 26.998 | Samsung Electronics, Tencent | Sungryeul Rhyu |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [[FS\_5GSTAR, 128, Block A, 15th Feb. 1800CET] pCR on clause 6.6 of TR 26.998](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;5b5ff300.2202B&S=) | teniou(TeniouGilles) | Mon, 14 Feb 2022 15:58:47 +0000 |
| --- | --- | --- |
| [[FS\_5GSTAR, 128, Block A, 15th Feb. 1800CET] pCR on clause 6.6 of TR 26.998](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;972e113.2202B&S=) | Imed Bouazizi | Mon, 14 Feb 2022 17:59:02 +0000 |
| [[FS\_5GSTAR, 128, Block A, 15th Feb. 1800CET] pCR on clause 6.6 of TR 26.998](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;c7a8bc95.2202B&S=) | Sungryeul Rhyu | Tue, 15 Feb 2022 06:01:51 +0900 |

| [[FS\_5GSTAR, 128, Block A, 15th Feb. 1800CET] pCR on clause 6.6 of TR 26.998](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;6f09a658.2202C&S=) | Sungryeul Rhyu | Wed, 16 Feb 2022 14:33:48 +0900 |
| --- | --- | --- |
| [[FS\_5GSTAR, 128, Block A, 15th Feb. 1800CET] pCR on clause 6.6 of TR 26.998](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;93f6ea96.2202C&S=) | Iraj Sodagar | Wed, 16 Feb 2022 06:10:39 +0000 |

**Revisions:**

* https://www.3gpp.org/ftp/tsg\_sa/WG4\_CODEC/TSGS4\_117-e/Inbox/drafts/Video/S4-220128r01.docx

**Online Discussion:**

* Gilles summarizes the discussion
  + Samsung offers a revision - not yet provided.
  + Imed: can we have some more time to check the details.
  + SR will provide a revision
  + Review of the contribution:
    - Agreement that application is responsible for call establishment
  + Imed. however, data needs to be sent to another node.
  + Iraj: Call management needs to be updated, agree.
  + Imed proposes to draft something to clarify the issue.
  + We continue the discussion.
* SR presents r01
  + No comments

**Decision:**

* R01 agreed

**S4-220128** is **revised to S4-220209.**

| [S4-220209](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220209.zip) | [FS\_5GSTAR] pCR on clause 6.6 of TR 26.998 | Samsung Electronics, Tencent | Sungryeul Rhyu |
| --- | --- | --- | --- |

**S4-220209** is **agreed.**

| [S4-220131](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220131.zip) | Editorial and session terminology updates | Nokia Corporation | Saba Ahsan |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [[FS\_5GSTAR, 131, Block A, 15th Feb. 1800CET] Editorial and session terminology updates](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;1574a705.2202B&S=) | teniou(TeniouGilles) | Mon, 14 Feb 2022 15:59:01 +0000 |
| --- | --- | --- |
| [[FS\_5GSTAR, 131, Block A, 15th Feb. 1800CET] Editorial and session terminology updates](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;ddc7bb78.2202B&S=) | Hakju Ryan Lee | Tue, 15 Feb 2022 07:53:24 +0900 |

**Revisions:**

· none

**Online Discussion:**

* Clause 4.3 will be added to offline discussion.
* Saba presents additional changes
* Changes in clause 6 would be impacted by the offline discussion.

**Decision:**

* Agreed w/o 4.3 => offline

**S4-220131** is **agreed.**

| [S4-220134](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220134.zip) | [FS\_5GSTAR] on Clause 8.5 of TR 26.998 and MeCAR WID | Samsung Electronics Romania | Sungryeul Rhyu |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [[FS\_5GSTAR, 134, Block A, 15th Feb. 1800CET] on Clause 8.5 of TR 26.998 and MeCAR WID](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;d791224b.2202B&S=) | teniou(TeniouGilles) | Mon, 14 Feb 2022 15:59:24 +0000 |
| --- | --- | --- |
| [[FS\_5GSTAR, 134, Block A, 15th Feb. 1800CET] on Clause 8.5 of TR 26.998 and MeCAR WID](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;56c326e5.2202C&S=) | Curcio, Igor (Nokia - FI/Tampere) | Tue, 15 Feb 2022 14:33:59 +0000 |
| [[FS\_5GSTAR, 134, Block A, 15th Feb. 1800CET] on Clause 8.5 of TR 26.998 and MeCAR WID](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;2e2eaa5d.2202C&S=) | Thomas Stockhammer | Tue, 15 Feb 2022 18:47:11 +0000 |
| [[FS\_5GSTAR, 134, Block A, 15th Feb. 1800CET] on Clause 8.5 of TR 26.998 and MeCAR WID](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;56c326e5.2202C&S=) | Curcio, Igor (Nokia - FI/Tampere) | Tue, 15 Feb 2022 14:33:59 +0000 |
| [[FS\_5GSTAR, 134, Block A, 15th Feb. 1800CET] on Clause 8.5 of TR 26.998 and MeCAR WID](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;17f9b823.2202B&S=) | Sungryeul Rhyu | Tue, 15 Feb 2022 05:53:54 +0900 |

| [[FS\_5GSTAR, 134, Block A, 15th Feb. 1800CET] on Clause 8.5 of TR 26.998 and MeCAR WID](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;2e2eaa5d.2202C&S=) | Thomas Stockhammer | Tue, 15 Feb 2022 18:47:11 +0000 |
| --- | --- | --- |
| [[FS\_5GSTAR, 134, Block A, 15th Feb. 1800CET] on Clause 8.5 of TR 26.998 and MeCAR WID](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;7ee6e541.2202C&S=) | Curcio, Igor (Nokia - FI/Tampere) | Tue, 15 Feb 2022 23:55:10 +0000 |
| [[FS\_5GSTAR, 134, Block A, 15th Feb. 1800CET] on Clause 8.5 of TR 26.998 and MeCAR WID](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;1d3407aa.2202C&S=) | Thomas Stockhammer | Wed, 16 Feb 2022 00:14:34 +0000 |
| [[FS\_5GSTAR, 134, Block A, 15th Feb. 1800CET] on Clause 8.5 of TR 26.998 and MeCAR WID](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;c4a5af0a.2202C&S=) | Sungryeul Rhyu | Wed, 16 Feb 2022 22:38:27 +0900 |
| [[FS\_5GSTAR, 134, Block A, 15th Feb. 1800CET] on Clause 8.5 of TR 26.998 and MeCAR WID](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;a1042c4b.2202C&S=) | Thomas Stockhammer | Wed, 16 Feb 2022 14:46:29 +0000 |
| [[FS\_5GSTAR, 134, Block A, 15th Feb. 1800CET] on Clause 8.5 of TR 26.998 and MeCAR WID](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;8237c987.2202C&S=) | Emmanuel Thomas | Wed, 16 Feb 2022 16:40:43 +0000 |
| [[FS\_5GSTAR, 134, Block A, 15th Feb. 1800CET] on Clause 8.5 of TR 26.998 and MeCAR WID](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;fdafe935.2202C&S=) | Sungryeul Rhyu | Thu, 17 Feb 2022 06:07:31 +0900 |
| [[FS\_5GSTAR, 134, Block A, 15th Feb. 1800CET] on Clause 8.5 of TR 26.998 and MeCAR WID](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;980fa88f.2202C&S=) | Iraj Sodagar | Wed, 16 Feb 2022 21:36:26 +0000 |
| [[FS\_5GSTAR, 134, Block A, 15th Feb. 1800CET] on Clause 8.5 of TR 26.998 and MeCAR WID](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;18e47960.2202C&S=) | Thomas Stockhammer | Thu, 17 Feb 2022 00:37:38 +0000 |
| [[FS\_5GSTAR, 134, Block A, 15th Feb. 1800CET] on Clause 8.5 of TR 26.998 and MeCAR WID](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;fb75389a.2202C&S=) | Iraj Sodagar | Wed, 16 Feb 2022 19:03:07 -0800 |
| [[FS\_5GSTAR, 134, Block A, 15th Feb. 1800CET] on Clause 8.5 of TR 26.998 and MeCAR WID](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;651a00cf.2202C&S=) | Sungryeul Rhyu | Thu, 17 Feb 2022 14:49:27 +0900 |
| [[FS\_5GSTAR, 134, Block A, 15th Feb. 1800CET] on Clause 8.5 of TR 26.998 and MeCAR WID](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;9efdb7.2202C&S=) | teniou(TeniouGilles) | Thu, 17 Feb 2022 21:15:02 +0000 |
| [[FS\_5GSTAR, 134, Block A, 15th Feb. 1800CET] on Clause 8.5 of TR 26.998 and MeCAR WID](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;bfddd98a.2202C&S=) | Sungryeul Rhyu | Fri, 18 Feb 2022 06:32:23 +0900 |
| [[FS\_5GSTAR, 134, Block A, 15th Feb. 1800CET] on Clause 8.5 of TR 26.998 and MeCAR WID](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;e282eea.2202C&S=) | teniou(TeniouGilles) | Thu, 17 Feb 2022 21:56:37 +0000 |

**Revisions:**

* <https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_117-e/Inbox/drafts/Video/S4-220134r01.docx>
* <https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_117-e/Inbox/drafts/Video/S4-220134r02.docx>
* https://www.3gpp.org/ftp/tsg\_sa/WG4\_CODEC/TSGS4\_117-e/Inbox/drafts/Video/S4-220134r04.docx

**Online Discussion:**

* SR presents revision r02

**Decision:**

* SR presents revision

**S4-220134** is **agreed.**

| [S4-220135](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220135.zip) | [FS\_5GSTAR] pCR on clause 8 of TR 26.998 | Samsung Electronics Romania | Sungryeul Rhyu |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [[FS\_5GSTAR, 135, Block A, 15th Feb. 1800CET] pCR on clause 8 of TR 26.998](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;b95cd065.2202B&S=) | teniou(TeniouGilles) | Mon, 14 Feb 2022 15:59:34 +0000 |
| --- | --- | --- |
| [[FS\_5GSTAR, 135, Block A, 15th Feb. 1800CET] pCR on clause 8 of TR 26.998](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;5814151f.2202C&S=) | Thomas Stockhammer | Tue, 15 Feb 2022 18:39:18 +0000 |
| [[FS\_5GSTAR, 135, Block A, 15th Feb. 1800CET] pCR on clause 8 of TR 26.998](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;637d6a0.2202B&S=) | Sungryeul Rhyu | Tue, 15 Feb 2022 05:54:51 +0900 |

| [[FS\_5GSTAR, 135, Block A, 15th Feb. 1800CET] pCR on clause 8 of TR 26.998](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;5814151f.2202C&S=) | Thomas Stockhammer | Tue, 15 Feb 2022 18:39:18 +0000 |
| --- | --- | --- |

**Revisions:**

* <https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_117-e/Inbox/drafts/Video/S4-220135r01.docx>
* <https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_117-e/Inbox/drafts/Video/S4-220135r02.docx>
* <https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_117-e/Inbox/drafts/Video/S4-220135r03.docx>
* https://www.3gpp.org/ftp/tsg\_sa/WG4\_CODEC/TSGS4\_117-e/Inbox/drafts/Video/S4-220135r04.docx

**Online Discussion:**

* SR Presents revision r02
  + Discussion around the details on how to express AR media Profile/levels to support rendering. More discussion is needed, Iraj, Imed, Emmanuel.
* SR presents revision r04
  + Gilles: what is meant capability mechanism?
    - SR: explains capability mechanism
    - Thomas: wanna make that we do not overdo the issue. It is likely the device capability/type that is known and the edge/cloud.
    - Iraj: agree - needs to be simple
    - Nataka. EVS wants to know the complexity. Which WID?
    - Gilles: seems to be out of scope.
    - Ryan: please add capability **exchange** mechanism**s**
    - agreed

**Decision:**

* Agreed with the revisions above

**S4-220135** is **revised to S4-210211.**

| [S4-220211](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220211.zip) | [FS\_5GSTAR] pCR on clause 8 of TR 26.998 | Samsung Electronics Romania | Sungryeul Rhyu |
| --- | --- | --- | --- |

**S4-220211** is **agreed.**

| [S4-220140](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220140.zip) | [FS\_5GSTAR] pCR 26.998 Editorial changes | Ericsson LM, Tencent | Bo Burman |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [[FS\_5GSTAR, 140, Block A, 15th Feb. 1800CET] pCR 26.998 Editorial changes](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;dab3ea02.2202B&S=) | Iraj Sodagar | Mon, 14 Feb 2022 20:07:28 +0000 |
| --- | --- | --- |
| [[FS\_5GSTAR, 140, Block A, 15th Feb. 1800CET] pCR 26.998 Editorial changes](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;d9c16090.2202B&S=) | Imed Bouazizi | Mon, 14 Feb 2022 18:10:58 +0000 |
| [[FS\_5GSTAR, 140, Block A, 15th Feb. 1800CET] pCR 26.998 Editorial changes](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;986cda31.2202B&S=) | Iraj Sodagar | Mon, 14 Feb 2022 20:47:21 +0000 |
| [[FS\_5GSTAR, 140, Block A, 15th Feb. 1800CET] pCR 26.998 Editorial changes](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;49e720af.2202B&S=) | Thomas Stockhammer | Mon, 14 Feb 2022 20:41:54 +0000 |
| [[FS\_5GSTAR, 140, Block A, 15th Feb. 1800CET] pCR 26.998 Editorial changes](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;9753c931.2202B&S=) | Thomas Stockhammer | Mon, 14 Feb 2022 20:51:29 +0000 |
| [[FS\_5GSTAR, 140, Block A, 15th Feb. 1800CET] pCR 26.998 Editorial changes](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;c87b58d1.2202B&S=) | teniou(TeniouGilles) | Mon, 14 Feb 2022 15:59:44 +0000 |
| [[FS\_5GSTAR, 140, Block A, 15th Feb. 1800CET] pCR 26.998 Editorial changes](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;d85f0731.2202B&S=) | Iraj Sodagar | Mon, 14 Feb 2022 20:59:20 +0000 |
| [[FS\_5GSTAR, 140, Block A, 15th Feb. 1800CET] pCR 26.998 Editorial changes](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;77ed82a2.2202C&S=) | Ali El Essaili | Tue, 15 Feb 2022 14:52:01 +0000 |
| [[FS\_5GSTAR, 140, Block A, 15th Feb. 1800CET] pCR 26.998 Editorial changes](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;ee69201d.2202C&S=) | Ahsan, Saba (Nokia - FI/Espoo) | Tue, 15 Feb 2022 10:46:13 +0000 |
| [[FS\_5GSTAR, 140, Block A, 15th Feb. 1800CET] pCR 26.998 Editorial changes](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;ee69201d.2202C&S=) | Ahsan, Saba (Nokia - FI/Espoo) | Tue, 15 Feb 2022 10:46:13 +0000 |
| [[FS\_5GSTAR, 140, Block A, 15th Feb. 1800CET] pCR 26.998 Editorial changes](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;77ed82a2.2202C&S=) | Ali El Essaili | Tue, 15 Feb 2022 14:52:01 +0000 |

| [[FS\_5GSTAR, 140, Block A, 15th Feb. 1800CET] pCR 26.998 Editorial changes](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;cc38a5fa.2202C&S=) | Iraj Sodagar | Wed, 16 Feb 2022 23:56:26 +0000 |
| --- | --- | --- |
| [[FS\_5GSTAR, 140, Block A, 15th Feb. 1800CET] pCR 26.998 Editorial changes](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;682b38f7.2202C&S=) | Ahsan, Saba (Nokia - FI/Espoo) | Thu, 17 Feb 2022 16:09:59 +0000 |

**Revisions:**

· none

**Online Discussion:**

* See discussion for 131.

**Decision:**

* Offline call on 4.3.1 and 4.3.2
* Is merged into 203

**S4-220140** is **merged into S4-220203.**

| [S4-220212](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220212.zip) | Audio aspects of TR 26.998 | EVS SWG | Stefan Bruhn |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [[FS\_5GSTAR, 212, Block A Extended, 21st Feb. 1900CET] Audio aspects of TR 26.998](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;9a7c18c6.2202C&S=) | teniou(TeniouGilles) | Fri, 18 Feb 2022 15:03:51 +0000 |
| --- | --- | --- |
| [[FS\_5GSTAR, 212, Block A Extended, 21st Feb. 1900CET] Audio aspects of TR 26.998](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;d4a92e0b.2202C&S=) | Thomas Stockhammer | Fri, 18 Feb 2022 16:45:59 +0000 |
| [[FS\_5GSTAR, 212, Block A Extended, 21st Feb. 1900CET] Audio aspects of TR 26.998](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;988313ef.2202C&S=) | Bruhn, Stefan | Fri, 18 Feb 2022 16:59:21 +0000 |
| [[FS\_5GSTAR, 212, Block A Extended, 21st Feb. 1900CET] Audio aspects of TR 26.998](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;240336d3.2202C&S=) | Thomas Stockhammer | Fri, 18 Feb 2022 17:34:08 +0000 |
| [[FS\_5GSTAR, 212, Block A Extended, 21st Feb. 1900CET] Audio aspects of TR 26.998](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;165e621b.2202C&S=) | Bruhn, Stefan | Fri, 18 Feb 2022 18:47:56 +0000 |
| [[FS\_5GSTAR, 212, Block A Extended, 21st Feb. 1900CET] Audio aspects of TR 26.998](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;c63ce92e.2202C&S=) | Hakju Ryan Lee | Sat, 19 Feb 2022 06:25:16 +0900 |
| [[FS\_5GSTAR, 212, Block A Extended, 21st Feb. 1900CET] Audio aspects of TR 26.998](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;a2bef6d8.2202C&S=) | Bruhn, Stefan | Fri, 18 Feb 2022 22:58:13 +0000 |
| [[FS\_5GSTAR, 212, Block A Extended, 21st Feb. 1900CET] Audio aspects of TR 26.998](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;7d870f3f.2202C&S=) | Hakju Ryan Lee | Sat, 19 Feb 2022 08:26:39 +0900 |
| [[FS\_5GSTAR, 212, Block A Extended, 21st Feb. 1900CET] Audio aspects of TR 26.998](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;6b305ab.2202C&S=) | Thomas Stockhammer | Mon, 21 Feb 2022 09:20:14 +0000 |
| [[FS\_5GSTAR, 212, Block A Extended, 21st Feb. 1900CET] Audio aspects of TR 26.998](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;6d56c297.2202C&S=) | Tomas Toftgård | Mon, 21 Feb 2022 12:48:16 +0000 |
| [[FS\_5GSTAR, 212, Block A Extended, 21st Feb. 1900CET] Audio aspects of TR 26.998](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;91f93cb2.2202C&S=) | Thomas Stockhammer | Mon, 21 Feb 2022 13:02:30 +0000 |

| [[FS\_5GSTAR, 212, Block A Extended, 21st Feb. 1900CET] Audio aspects of TR 26.998](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;9bd51368.2202C&S=) | Tomas Toftgård | Mon, 21 Feb 2022 14:41:50 +0000 |
| --- | --- | --- |
| [[FS\_5GSTAR, 212, Block A Extended, 21st Feb. 1900CET] Audio aspects of TR 26.998](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;585ad78f.2202C&S=) | Tomas Toftgård | Mon, 21 Feb 2022 17:47:01 +0000 |
| [[FS\_5GSTAR, 212, Block A Extended, 21st Feb. 1900CET] Audio aspects of TR 26.998](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;d85c449a.2202C&S=) | teniou(TeniouGilles) | Mon, 21 Feb 2022 18:22:49 +0000 |
| [[FS\_5GSTAR, 212, Block A Extended, 21st Feb. 1900CET] Audio aspects of TR 26.998](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;90b9fa3f.2202C&S=) | Tomas Toftgård | Mon, 21 Feb 2022 22:09:41 +0000 |
| [[FS\_5GSTAR, 212, Block A Extended, 21st Feb. 1900CET] Audio aspects of TR 26.998](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;4a2b2891.2202D&S=) | Tomas Toftgård | Tue, 22 Feb 2022 21:16:01 +0000 |

**Revisions:**

* <https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_117-e/Inbox/drafts/Video/S4-220212_QC.docx>
* <https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_117-e/Inbox/drafts/Video/S4-220212_QC_DLB.docx>
* <https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_117-e/Inbox/drafts/Video/S4-220212r01.docx>
* https://www.3gpp.org/ftp/tsg\_sa/WG4\_CODEC/TSGS4\_117-e/Inbox/drafts/Video/S4-220212r02.docx

**Online Discussion:**

* Tomas presents
* Iraj: Complete?
  + Thomas: it is complement
* Thomas: I would like to express my disappointment that the TR was disqualified in the last minute despite it was discussed for 2 years. This can not happen in the future.
* Mary-Luc: It is unfair to add such a statement at the last minute.
  + Tomas: Some aspects are missing. Figures are not described
  + Mary-Luc: should not be a precedence, could happen any time in the future
  + Stephane: We understand that the situation is not perfect and we should discuss in the SA4 management.
  + Gilles: I remind that we work against the work item objectives. It was always clear that we work on these topics in this study item.
  + Iraj: The message is really not positive. We should change the tone.
  + Stefan: We are not expressing anything negative, we just express that audio was not really covered. There are misleading statements around audio. Do not consider it negative.
  + Iraj: Can we remove the sentence on the “not considered comprehensive” to make it more positive
  + No agreeable as is, more offline time is needed
* Thomas: we need a default process if not agreeable. We want to complete the study.
  + Stefan: Yes, but there is something wrong
* Tomas presents r02
  + No comments

**Decision:**

* R02 is agreed

**S4-220212** is **revised to S4-220223.**

| [S4-220223](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220223.zip) | Audio aspects of TR 26.998 | EVS SWG | Stefan Bruhn |
| --- | --- | --- | --- |

**S4-220223** is **agreed.**

## 10.10 New Work / New Work Items and Study Items

| [S4-220050](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220050.zip) | Draft Feasibility Study on Smartly Tethering AR Glasses (SmarTAR) | Qualcomm Incorporated, Facebook, Dolby Laboratories | Thomas Stockhammer |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [[New WID/SID, 050, Block B, 21st Feb. 2100CET] Draft Feasibility Study on Smartly Tethering AR Glasses (SmarTAR)](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;927db823.2202C&S=) | teniou(TeniouGilles) | Fri, 18 Feb 2022 22:53:32 +0000 |
| --- | --- | --- |
| [[New WID/SID, 050, Block B, 21st Feb. 2100CET] Draft Feasibility Study on Smartly Tethering AR Glasses (SmarTAR)](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;7cb7ac58.2202C&S=) | Thomas Stockhammer | Mon, 21 Feb 2022 10:08:51 +0000 |
| [[New WID/SID, 050, Block B, 21st Feb. 2100CET] Draft Feasibility Study on Smartly Tethering AR Glasses (SmarTAR)](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;c6c7221a.2202C&S=) | Thomas Stockhammer | Mon, 21 Feb 2022 14:02:38 +0000 |

| [[New WID/SID, 050, Block B, 21st Feb. 2100CET] Draft Feasibility Study on Smartly Tethering AR Glasses (SmarTAR)](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;3c64f020.2202C&S=) | teniou(TeniouGilles) | Mon, 21 Feb 2022 16:00:11 +0000 |
| --- | --- | --- |
| [[New WID/SID, 050, Block B, 21st Feb. 2100CET] Draft Feasibility Study on Smartly Tethering AR Glasses (SmarTAR)](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;a127dbdd.2202D&S=) | Thomas Stockhammer | Tue, 22 Feb 2022 07:24:34 +0000 |
| [[New WID/SID, 050, Block B, 21st Feb. 2100CET] Draft Feasibility Study on Smartly Tethering AR Glasses (SmarTAR)](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;9c22b025.2202D&S=) | Gabin, Frederic | Tue, 22 Feb 2022 11:19:25 +0000 |
| [[New WID/SID, 050, Block B, 21st Feb. 2100CET] Draft Feasibility Study on Smartly Tethering AR Glasses (SmarTAR)](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;6cf8e165.2202D&S=) | Thomas Stockhammer | Tue, 22 Feb 2022 11:37:20 +0000 |
| [[New WID/SID, 050, Block B, 21st Feb. 2100CET] Draft Feasibility Study on Smartly Tethering AR Glasses (SmarTAR)](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;fd8111b5.2202D&S=) | Thomas Stockhammer | Tue, 22 Feb 2022 12:03:45 +0000 |
| [[New WID/SID, 050, Block B, 21st Feb. 2100CET] Draft Feasibility Study on Smartly Tethering AR Glasses (SmarTAR)](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;2189fcf6.2202D&S=) | Thomas Stockhammer | Tue, 22 Feb 2022 12:45:14 +0000 |
| [[New WID/SID, 050, Block B, 21st Feb. 2100CET] Draft Feasibility Study on Smartly Tethering AR Glasses (SmarTAR)](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;ffde0281.2202D&S=) | Thomas Stockhammer | Tue, 22 Feb 2022 15:25:53 +0000 |

**Revisions:**

* https://www.3gpp.org/ftp/tsg\_sa/WG4\_CODEC/TSGS4\_117-e/Inbox/drafts/Video/S4-220050r01.docx

**Online Discussion:**

* Thomas presents
* Gilles: You may add TR 26.998
  + Thomas: good idea
* Thomas explains that there is no dependency, so could start right away.
* Revision 01 provided - Thomas presents
  + Iraj: Tencent co-signs
  + Thomas thanks

**Decision:**

* r01 is agreed with co-signers.

**S4-220050** is **revised to S4-220219.**

| [S4-220219](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220219.zip) | Feasibility Study on Smartly Tethering AR Glasses (SmarTAR) | Qualcomm Incorporated, Facebook, Dolby Laboratories, Xiaomi, Samsung | Thomas Stockhammer |
| --- | --- | --- | --- |

**E-mail Discussion:**

**Revisions:**

* <https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_117-e/Inbox/drafts/Video/S4-220219-SmarTAR_Dolby.docx>
* <https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_117-e/Inbox/drafts/Video/S4-220219r01.docx>
* <https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_117-e/Inbox/drafts/Video/S4-220219r02.docx>
* https://www.3gpp.org/ftp/tsg\_sa/WG4\_CODEC/TSGS4\_117-e/Inbox/drafts/Video/S4-220219r0.docx

**S4-220219** is **revised S4-220225.**

| [S4-220225](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220219.zip) | Feasibility Study on Smartly Tethering AR Glasses (SmarTAR) | Qualcomm Incorporated, Facebook, Dolby Laboratories, Xiaomi, Samsung, Huawei | Thomas Stockhammer |
| --- | --- | --- | --- |

**Online Discussion:**

* Thomas presents
  + No comments

**Decision:**

* agreed

**S4-220225** is **agreed.**

| [S4-220079](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220079.zip) | WID on Split Rendering Media Service Enabler | QUALCOMM Europe Inc. - Italy | Imed Bouazizi |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [[New WID/SID, 79, Block B, 21st Feb. 1800CET] WID on Split Rendering Media Service Enabler](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;38c7006c.2202C&S=) | teniou(TeniouGilles) | Fri, 18 Feb 2022 01:14:02 +0000 |
| --- | --- | --- |
| [[New WID/SID, 79, Block B, 21st Feb. 1800CET] WID on Split Rendering Media Service Enabler](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;c8775899.2202C&S=) | Sunzhao(Sunny) | Fri, 18 Feb 2022 12:01:47 +0000 |
| [[New WID/SID, 79, Block B, 21st Feb. 1800CET] WID on Split Rendering Media Service Enabler](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;1793900f.2202C&S=) | Milan Jelinek | Fri, 18 Feb 2022 14:26:49 -0500 |
| [[New WID/SID, 79, Block B, 21st Feb. 1800CET] WID on Split Rendering Media Service Enabler](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;63eaba7d.2202C&S=) | Imed Bouazizi | Fri, 18 Feb 2022 19:57:02 +0000 |
| [[New WID/SID, 79, Block B, 21st Feb. 1800CET] WID on Split Rendering Media Service Enabler](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;df0f349d.2202C&S=) | Imed Bouazizi | Fri, 18 Feb 2022 20:01:08 +0000 |

**Revisions:**

* https://www.3gpp.org/ftp/tsg\_sa/WG4\_CODEC/TSGS4\_117-e/Inbox/drafts/Video/S4-220079\_r01.docx

**Online Discussion:**

* Imed presents
* Milan explains the IVAS addition
* Qi: will it start right away or afterwards.
  + Imed: We start with a lag
* Imed presents revision r01
  + Explains IVAS was not added as no media type was added
  + Milan: We identified in the EVS SWG that we added IVAS.
  + Stephane: profiles in the second bullet are unclear
    - Imed: we mean RTP Profile, maybe you refer to the fourth profile.
    - Stephane: we need to discuss details for audio
    - Iraj: Bullet 4 is UE - edge
    - Imed: 2,3,4 is user plane for edge server to UE. I will make this clear and split control an user plane.
  + Seems to evolve, maybe not sent for approval, basis for future work
  + Discussion will continue.
* Good progress, but not yet ready

**Decision:**

* Basis for future work

**S4-220079** is **noted.**

| [S4-220084](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220084.zip) | Draft New Feasibility Study on Artificial Intelligence (AI) and Machine Learning (ML) for Media | Samsung Electronics Co., Ltd., Qualcomm Incorporated, Fraunhofer HHI, InterDigital Communications | Eric Yip |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [[New WID/SID, 84&85&86, Block B, 21st Feb. 1800CET] SID on AI/ML and discussion docs.](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;35fce2a6.2202C&S=) | teniou(TeniouGilles) | Fri, 18 Feb 2022 01:14:28 +0000 |
| --- | --- | --- |
| [[New WID/SID, 84&85&86, Block B, 21st Feb. 1800CET] SID on AI/ML and discussion docs.](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;99021432.2202C&S=) | Eric Yip | Fri, 18 Feb 2022 11:33:04 +0900 |
| [[New WID/SID, 84&85&86, Block B, 21st Feb. 1800CET] SID on AI/ML and discussion docs.](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;3cbb9c93.2202C&S=) | Gabin, Frederic | Sat, 19 Feb 2022 00:17:01 +0000 |
| [[New WID/SID, 84&85&86, Block B, 21st Feb. 1800CET] SID on AI/ML and discussion docs.](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;ae997a9b.2202C&S=) | Eric Yip | Sat, 19 Feb 2022 09:27:48 +0900 |
| [[New WID/SID, 84&85&86, Block B, 21st Feb. 1800CET] SID on AI/ML and discussion docs.](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;206f5f4d.2202C&S=) | Thomas Stockhammer | Sat, 19 Feb 2022 00:35:58 +0000 |
| [[New WID/SID, 84&85&86, Block B, 21st Feb. 1800CET] SID on AI/ML and discussion docs.](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;6c3015dd.2202C&S=) | Eric Yip | Mon, 21 Feb 2022 12:57:58 +0900 |

| [[New WID/SID, 84&85&86, Block B, 21st Feb. 1800CET] SID on AI/ML and discussion docs.](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;f11f574c.2202C&S=) | Curcio, Igor (Nokia - FI/Tampere) | Mon, 21 Feb 2022 15:25:34 +0000 |
| --- | --- | --- |
| [[New WID/SID, 84&85&86, Block B, 21st Feb. 1800CET] SID on AI/ML and discussion docs.](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;4c1ac8d5.2202C&S=) | teniou(TeniouGilles) | Mon, 21 Feb 2022 16:38:14 +0000 |
| [[New WID/SID, 84&85&86, Block B, 21st Feb. 1800CET] SID on AI/ML and discussion docs.](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;f85fbbe6.2202C&S=) | teniou(TeniouGilles) | Mon, 21 Feb 2022 16:57:52 +0000 |
| [[New WID/SID, 84&85&86, Block B, 21st Feb. 1800CET] SID on AI/ML and discussion docs.](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;7135ebb6.2202C&S=) | Eric Yip | Tue, 22 Feb 2022 06:32:14 +0900 |
| [[New WID/SID, 84&85&86, Block B, 21st Feb. 1800CET] SID on AI/ML and discussion docs.](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;5f8e6514.2202C&S=) | Eric Yip | Tue, 22 Feb 2022 06:42:32 +0900 |
| [[New WID/SID, 84&85&86, Block B, 21st Feb. 1800CET] SID on AI/ML and discussion docs.](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;37b3f807.2202D&S=) | Eric Yip | Tue, 22 Feb 2022 14:11:08 +0900 |
| [[New WID/SID, 84&85&86, Block B, 21st Feb. 1800CET] SID on AI/ML and discussion docs.](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;afd880a0.2202D&S=) | panqi (E) | Tue, 22 Feb 2022 07:16:14 +0000 |
| [[New WID/SID, 84&85&86, Block B, 21st Feb. 1800CET] SID on AI/ML and discussion docs.](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;97d155ea.2202D&S=) | Eric Yip | Tue, 22 Feb 2022 16:55:06 +0900 |
| [[New WID/SID, 84&85&86, Block B, 21st Feb. 1800CET] SID on AI/ML and discussion docs.](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;8fce5917.2202D&S=) | panqi (E) | Tue, 22 Feb 2022 09:22:13 +0000 |
| [[New WID/SID, 84&85&86, Block B, 21st Feb. 1800CET] SID on AI/ML and discussion docs.](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;94d85f1d.2202D&S=) | Gabin, Frederic | Tue, 22 Feb 2022 11:02:11 +0000 |
| [[New WID/SID, 84&85&86, Block B, 21st Feb. 1800CET] SID on AI/ML and discussion docs.](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;927b4417.2202D&S=) | Gaëlle Martin-Cocher | Tue, 22 Feb 2022 14:17:21 +0000 |
| [[New WID/SID, 84&85&86, Block B, 21st Feb. 1800CET] SID on AI/ML and discussion docs.](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;5cfc3112.2202D&S=) | teniou(TeniouGilles) | Tue, 22 Feb 2022 16:57:57 +0000 |
| [[New WID/SID, 84&85&86, Block B, 21st Feb. 1800CET] SID on AI/ML and discussion docs.](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;7627cfbe.2202D&S=) | Imed Bouazizi | Tue, 22 Feb 2022 18:07:49 +0000 |
| [[New WID/SID, 84&85&86, Block B, 21st Feb. 1800CET] SID on AI/ML and discussion docs.](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;be9d8039.2202D&S=) | Eric Yip | Wed, 23 Feb 2022 07:03:00 +0900 |

**Revisions:**

* <https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_117-e/Inbox/drafts/Video/S4-220084r01.doc>
* <https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_117-e/Inbox/drafts/Video/S4-220084r02.doc>
* <https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_117-e/Inbox/drafts/Video/S4-220084r03.doc>
* https://www.3gpp.org/ftp/tsg\_sa/WG4\_CODEC/TSGS4\_117-e/Inbox/drafts/Video/S4-220084r04.doc

**Online Discussion:**

* Eric presents r01
  + Gilles: Timeline - why Rel-19? Can we not do Rel-18 work item
  + Frederic: suggestion such that study has enough time. We can always pull out some efforts.
* Eric presents r02:
  + Thomas: concerned that a use case phase may be very extensive. It is it a different scale
  + Eric: agree with Thomas, less use case is better.
  + Gilles:
    - SA1 use cases, expect downstream groups to work on it. Why are only picking up part of the use cases from SA1? It seems that the principle of the media type is generic. Would prefer to not list the use cases.
    - Use cases on AR Spatial Computing. It was said the AR Spatial computing may have AI. What is expected to be done here
  + Eric:
    - We are focussed on media in SA4. So SA1 would rely on us
    - On 2, not sure where it comes from. Thomas?
    - Thomas: No, and if so, please remove it. May have been an unconscious moment.
    - Gilles: proposes to restrict to SA1 use cases.
    - Eric: Agree to remove AR related use cases.
  + Gaelle: Do we remove anything AR/MR related one?
    - Gilles: explains the situation. We may update the use cases with a revised WID.
    - Eric: Would prefer to fix the use cases now.
    - Gaelle: We want to make sure that what is found can be used in AR.
  + Thomas: Should we reduce the timeline?
    - Frederic: not really, we can always have earlier conclusions.
  + Gilles: Completion for this meeting?
    - Eric: we can send from SA4#118-e
    - Gilles: would be in June only.
    - Frederic: would be ok to have a 60% now, 100% in June. Planning should be done by video SWG
  + Gilles: understand that there is no rush
  + We will keep the document up for discussion.
* Eric presents r04
  + Gaelle: Who is work item rapporteur?
    - Gilles: not yet resolved - we will find a way.
  + Gilles: Editorial updates still needed

**Decision:**

* R04 is agreed with further editorial updates and selection of a single rapporteur.

**S4-220084** is **revised to S4-220226.**

| [S4-220226](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220226.zip) | Draft New Feasibility Study on Artificial Intelligence (AI) and Machine Learning (ML) for Media | Samsung Electronics Co., Ltd., Qualcomm Incorporated, Fraunhofer HHI, InterDigital Communications | Eric Yip |
| --- | --- | --- | --- |

**S4-220226** is **agreed.**

| [S4-220085](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220085.zip) | AI/ML work in other 3GPP WGs | SAMSUNG R&D INSTITUTE JAPAN | Eric Yip |
| --- | --- | --- | --- |

**E-mail Discussion:**

* See discussion in 84

**Revisions:**

* See 84

**Online Discussion:**

* See 84

**Decision:**

* noted

**S4-220085** is **noted.**

| [S4-220086](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220086.zip) | Discussion on AI/ML (updated) | SAMSUNG R&D INSTITUTE JAPAN | Eric Yip |
| --- | --- | --- | --- |

**E-mail Discussion:**

* See discussion in 84

**Revisions:**

* See 84

**Online Discussion:**

* See 84

**Decision:**

* noted

**S4-220086** is **noted.**

| [S4-220113](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220113.zip) | New WID on AR and MR QoE Metrics | China Unicom, Huawei Technologies Co.,Ltd., CATT | Shuai Gao |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [[New WID/SID, 113, Block B, 21st Feb. 1800CET] New WID on AR and MR QoE Metrics](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;ce407e94.2202C&S=) | teniou(TeniouGilles) | Fri, 18 Feb 2022 01:14:49 +0000 |
| --- | --- | --- |
| [[New WID/SID, 113, Block B, 21st Feb. 1800CET] New WID on AR and MR QoE Metrics](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;c4fbe588.2202C&S=) | Shuai Gao | Mon, 21 Feb 2022 10:56:00 +0000 |
| [[New WID/SID, 113, Block B, 21st Feb. 1800CET] New WID on AR and MR QoE Metrics](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;f44e62c6.2202C&S=) | Thomas Stockhammer | Mon, 21 Feb 2022 11:32:42 +0000 |
| [[New WID/SID, 113, Block B, 21st Feb. 1800CET] New WID on AR and MR QoE Metrics](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;88e163e2.2202C&S=) | panqi (E) | Mon, 21 Feb 2022 12:42:07 +0000 |
| [[New WID/SID, 113, Block B, 21st Feb. 1800CET] New WID on AR and MR QoE Metrics](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;9390c30b.2202C&S=) | gaos30 | Mon, 21 Feb 2022 21:29:52 +0800 |

| [[New WID/SID, 113, Block B, 21st Feb. 1800CET] New WID on AR and MR QoE Metrics](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;85cad89d.2202C&S=) | Curcio, Igor (Nokia - FI/Tampere) | Mon, 21 Feb 2022 15:40:46 +0000 |
| --- | --- | --- |
| [[New WID/SID, 113, Block B, 21st Feb. 1800CET] New WID on AR and MR QoE Metrics](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;43c8f80e.2202C&S=) | 高帅(联通集团中国联通研究院-本 | Mon, 21 Feb 2022 16:56:56 +0000 |
| [[New WID/SID, 113, Block B, 21st Feb. 1800CET] New WID on AR and MR QoE Metrics](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;f3905d64.2202C&S=) | Thomas Stockhammer | Mon, 21 Feb 2022 17:17:11 +0000 |
| [[New WID/SID, 113, Block B, 21st Feb. 1800CET] New WID on AR and MR QoE Metrics](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;f963fd4f.2202C&S=) | 高帅(联通集团中国联通研究院-本 | Mon, 21 Feb 2022 21:41:46 +0000 |
| [[New WID/SID, 113, Block B, 21st Feb. 1800CET] New WID on AR and MR QoE Metrics](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;d6090874.2202C&S=) | 高帅(联通集团中国联通研究院-本 | Mon, 21 Feb 2022 21:47:30 +0000 |
| [[New WID/SID, 113, Block B, 21st Feb. 1800CET] New WID on AR and MR QoE Metrics](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;6998e9a2.2202D&S=) | HU, JAMES | Tue, 22 Feb 2022 17:41:05 +0000 |
| [[New WID/SID, 113, Block B, 21st Feb. 1800CET] New WID on AR and MR QoE Metrics](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;2f993194.2202D&S=) | 高帅(联通集团中国联通研究院-本 | Tue, 22 Feb 2022 22:11:06 +0000 |

**Revisions:**

* <https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_117-e/Inbox/drafts/Video/S4-220113r01.doc>
* <https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_117-e/Inbox/drafts/Video/S4-220113r01_huawei.doc>
* <https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_117-e/Inbox/drafts/Video/S4-220113r01_huawei_Xiaomi.doc>
* https://www.3gpp.org/ftp/tsg\_sa/WG4\_CODEC/TSGS4\_117-e/Inbox/drafts/Video/S4-220113r01\_Xiaomi\_China%20Unicom.doc

**Online Discussion:**

* Shuai presents r01
  + Thomas explains the situation:
    - Either something substantial (MOS score and so on) or nothing (basic things can be added to meCAR)
* Shuai presents r01\_huawei
  + Mary-Luc:
    - regarding first bullet point, no need - meCAR
    - 2-4 is interesting
  + Mary-Luc: proposes a SID to be constructive
  + We will continue the discussion
* Shuai presents r01\_huawei\_China\_Unicom
  + Gilles: which report are we targeting
  + Thomas: we are quite reluctant on agreeing on this now, there are many open questions that still need discussion.
  + Shuai: we want to move this and get approved
  + Mary-Luc: we are not yet there, for example the first bullet point is unclear.

**Decision:**

* The content needs to be refined - serves as basis for future work.

**S4-220113** is **noted.**

| [S4-220124](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220124.zip) | Draft SID on XR Service Collaboration in the Network Media Layer | China Mobile Com. Corporation | Yujian Yin |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [[New WID/SID, 124, Block B, 21st Feb. 1800CET] Draft SID on XR Service Collaboration in the Network Media Layer](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;bd9ce40b.2202C&S=) | teniou(TeniouGilles) | Fri, 18 Feb 2022 01:15:25 +0000 |
| --- | --- | --- |
| [[New WID/SID, 124, Block B, 21st Feb. 1800CET] Draft SID on XR Service Collaboration in the Network Media Layer](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;d29f5123.2202C&S=) | Thomas Stockhammer | Fri, 18 Feb 2022 23:59:02 +0000 |
| [[New WID/SID, 124, Block B, 21st Feb. 1800CET] Draft SID on XR Service Collaboration in the Network Media Layer](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;1f9eb575.2202C&S=) | Yujian Yin | Mon, 21 Feb 2022 10:53:39 +0800 |
| [[New WID/SID, 124, Block B, 21st Feb. 1800CET] Draft SID on XR Service Collaboration in the Network Media Layer](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;2825dfcc.2202C&S=) | Thomas Stockhammer | Mon, 21 Feb 2022 08:08:28 +0000 |
| [[New WID/SID, 124, Block B, 21st Feb. 1800CET] Draft SID on XR Service Collaboration in the Network Media Layer](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;9c7c48f5.2202C&S=) | Yujian Yin | Mon, 21 Feb 2022 18:28:22 +0800 |

| [[New WID/SID, 124, Block B, 21st Feb. 1800CET] Draft SID on XR Service Collaboration in the Network Media Layer](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;6cb5b87b.2202D&S=) | Yujian Yin | Tue, 22 Feb 2022 21:08:01 +0800 |
| --- | --- | --- |

**Revisions:**



**Online Discussion:**

* Yujian presents
* Yujan presents again 124
  + Gilles: Can we integrate in AREA?
  + Yujian: Better study, but can add to AREA
* Yujian can not be understood.
* Yujian suggest to bring a more detailed discussion paper for next meeting
  + Thomas: Thank you

**Decision:**



**S4-220124** is **noted.**

| [S4-220126](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220126.zip) | Draft WID on 5G media delivery architecture extensions for real-time and AR/MR experience | Samsung Guangzhou Mobile R&D | Hakju Ryan Lee |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [[New WID/SID, 126, Block B, 21st Feb. 1800CET] Draft WID on 5G media delivery architecture extensions for real-time and AR/MR experience](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;e134f524.2202C&S=) | teniou(TeniouGilles) | Fri, 18 Feb 2022 01:15:39 +0000 |
| --- | --- | --- |
| [[New WID/SID, 126, Block B, 21st Feb. 1800CET] Draft WID on 5G media delivery architecture extensions for real-time and AR/MR experience](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;1d51454e.2202C&S=) | panqi (E) | Fri, 18 Feb 2022 08:18:32 +0000 |
| [[New WID/SID, 126, Block B, 21st Feb. 1800CET] Draft WID on 5G media delivery architecture extensions for real-time and AR/MR experience](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;e0761b0a.2202C&S=) | Milan Jelinek | Fri, 18 Feb 2022 14:18:07 -0500 |
| [[New WID/SID, 126, Block B, 21st Feb. 1800CET] Draft WID on 5G media delivery architecture extensions for real-time and AR/MR experience](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;fc1c6e97.2202C&S=) | Thomas Stockhammer | Fri, 18 Feb 2022 19:31:17 +0000 |
| [[New WID/SID, 126, Block B, 21st Feb. 1800CET] Draft WID on 5G media delivery architecture extensions for real-time and AR/MR experience](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;8597471f.2202C&S=) | Thomas Stockhammer | Fri, 18 Feb 2022 19:32:29 +0000 |
| [[New WID/SID, 126, Block B, 21st Feb. 1800CET] Draft WID on 5G media delivery architecture extensions for real-time and AR/MR experience](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;c6802dd3.2202C&S=) | Hakju Ryan Lee | Sat, 19 Feb 2022 06:33:23 +0900 |
| [[New WID/SID, 126, Block B, 21st Feb. 1800CET] Draft WID on 5G media delivery architecture extensions for real-time and AR/MR experience](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;5dea93f3.2202C&S=) | Thomas Stockhammer | Fri, 18 Feb 2022 21:54:13 +0000 |
| [[New WID/SID, 126, Block B, 21st Feb. 1800CET] Draft WID on 5G media delivery architecture extensions for real-time and AR/MR experience](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;a1906ecb.2202C&S=) | Hakju Ryan Lee | Sat, 19 Feb 2022 06:59:02 +0900 |
| [[New WID/SID, 126, Block B, 21st Feb. 1800CET] Draft WID on 5G media delivery architecture extensions for real-time and AR/MR experience](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;fcb62fec.2202C&S=) | Hakju Ryan Lee | Sat, 19 Feb 2022 07:05:25 +0900 |
| [[New WID/SID, 126, Block B, 21st Feb. 1800CET] Draft WID on 5G media delivery architecture extensions for real-time and AR/MR experience](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;beb0b2f2.2202C&S=) | Fabrice Plante | Fri, 18 Feb 2022 14:23:17 -0800 |
| [[New WID/SID, 126, Block B, 21st Feb. 1800CET] Draft WID on 5G media delivery architecture extensions for real-time and AR/MR experience](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;157df139.2202C&S=) | Milan Jelinek | Fri, 18 Feb 2022 18:39:59 -0500 |
| [[New WID/SID, 126, Block B, 21st Feb. 1800CET] Draft WID on 5G media delivery architecture extensions for real-time and AR/MR experience](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;55cf4364.2202C&S=) | Milan Jelinek | Fri, 18 Feb 2022 18:47:32 -0500 |
| [[New WID/SID, 126, Block B, 21st Feb. 1800CET] Draft WID on 5G media delivery architecture extensions for real-time and AR/MR experience](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;c828aec3.2202C&S=) | Iraj Sodagar | Fri, 18 Feb 2022 21:15:03 -0800 |
| [[New WID/SID, 126, Block B, 21st Feb. 1800CET] Draft WID on 5G media delivery architecture extensions for real-time and AR/MR experience](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;54727fb2.2202C&S=) | Thomas Stockhammer | Sun, 20 Feb 2022 17:34:22 +0000 |
| [[New WID/SID, 126, Block B, 21st Feb. 1800CET] Draft WID on 5G media delivery architecture extensions for real-time and AR/MR experience](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;33bcc2a9.2202C&S=) | Iraj Sodagar | Sun, 20 Feb 2022 11:33:52 -0800 |
| [[New WID/SID, 126, Block B, 21st Feb. 1800CET] Draft WID on 5G media delivery architecture extensions for real-time and AR/MR experience](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;a3285fcf.2202C&S=) | Hakju Ryan Lee | Mon, 21 Feb 2022 14:23:19 +0900 |
| [[New WID/SID, 126, Block B, 21st Feb. 1800CET] Draft WID on 5G media delivery architecture extensions for real-time and AR/MR experience](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;5f3186e.2202C&S=) | Thomas Stockhammer | Mon, 21 Feb 2022 08:27:17 +0000 |

| [[New WID/SID, 126, Block B, 21st Feb. 1800CET] Draft WID on 5G media delivery architecture extensions for real-time and AR/MR experience](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;fb5c4b73.2202C&S=) | Emmanuel Thomas | Mon, 21 Feb 2022 15:28:28 +0000 |
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| [[New WID/SID, 126, Block B, 21st Feb. 1800CET] Draft WID on 5G media delivery architecture extensions for real-time and AR/MR experience](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;fda28651.2202C&S=) | Curcio, Igor (Nokia - FI/Tampere) | Mon, 21 Feb 2022 16:03:05 +0000 |
| [[New WID/SID, 126, Block B, 21st Feb. 1800CET] Draft WID on 5G media delivery architecture extensions for real-time and AR/MR experience](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;73f1b8bb.2202C&S=) | Yujian Yin | Tue, 22 Feb 2022 05:02:04 +0800 |
| [[New WID/SID, 126, Block B, 21st Feb. 1800CET] Draft WID on 5G media delivery architecture extensions for real-time and AR/MR experience](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;82f6d76c.2202C&S=) | Ahmed Hamza | Mon, 21 Feb 2022 21:09:56 +0000 |
| [[New WID/SID, 126, Block B, 21st Feb. 1800CET] Draft WID on 5G media delivery architecture extensions for real-time and AR/MR experience](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;107f3744.2202C&S=) | Hakju Ryan Lee | Tue, 22 Feb 2022 06:38:45 +0900 |
| [[New WID/SID, 126, Block B, 21st Feb. 1800CET] Draft WID on 5G media delivery architecture extensions for real-time and AR/MR experience](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;382fa23.2202C&S=) | XinWang MediaTek | Mon, 21 Feb 2022 21:51:43 +0000 |
| [[New WID/SID, 126, Block B, 21st Feb. 1800CET] Draft WID on 5G media delivery architecture extensions for real-time and AR/MR experience](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;1f9d7743.2202C&S=) | Hakju Ryan Lee | Tue, 22 Feb 2022 07:16:08 +0900 |
| [[New WID/SID, 126, Block B, 21st Feb. 1800CET] Draft WID on 5G media delivery architecture extensions for real-time and AR/MR experience](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;8f91170d.2202C&S=) | Iraj Sodagar | Mon, 21 Feb 2022 23:22:40 +0000 |
| [[New WID/SID, 126, Block B, 21st Feb. 1800CET] Draft WID on 5G media delivery architecture extensions for real-time and AR/MR experience](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;c0982c69.2202C&S=) | Sungryeul Rhyu | Tue, 22 Feb 2022 08:53:43 +0900 |
| [[New WID/SID, 126, Block B, 21st Feb. 1800CET] Draft WID on 5G media delivery architecture extensions for real-time and AR/MR experience](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;a96dab55.2202D&S=) | Hakju Ryan Lee | Tue, 22 Feb 2022 09:01:16 +0900 |
| [[New WID/SID, 126, Block B, 21st Feb. 1800CET] Draft WID on 5G media delivery architecture extensions for real-time and AR/MR experience](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;21b9e405.2202D&S=) | Hakju Ryan Lee | Tue, 22 Feb 2022 21:17:05 +0900 |
| [[New WID/SID, 126, Block B, 21st Feb. 1800CET] Draft WID on 5G media delivery architecture extensions for real-time and AR/MR experience](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;fed05558.2202D&S=) | Yujian Yin | Tue, 22 Feb 2022 21:34:39 +0800 |
| [[New WID/SID, 126, Block B, 21st Feb. 1800CET] Draft WID on 5G media delivery architecture extensions for real-time and AR/MR experience](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;ae38ba1b.2202D&S=) | panqi (E) | Tue, 22 Feb 2022 14:56:53 +0000 |
| [[New WID/SID, 126, Block B, 21st Feb. 1800CET] Draft WID on 5G media delivery architecture extensions for real-time and AR/MR experience](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;a53e62d4.2202D&S=) | Hakju Ryan Lee | Wed, 23 Feb 2022 06:23:30 +0900 |

**Revisions:**

* <https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_117-e/Inbox/drafts/Video/S4-220126r01.docx>
* <https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_117-e/Inbox/drafts/Video/S4-220126r01_QCOM.docx>
* <https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_117-e/Inbox/drafts/Video/S4-220126r03.docx>
* <https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_117-e/Inbox/drafts/Video/S4-220126r04.docx>
* https://www.3gpp.org/ftp/tsg\_sa/WG4\_CODEC/TSGS4\_117-e/Inbox/drafts/Video/S4-220126r05.docx

**Online Discussion:**

* Ryan presents r03:
  + Saba: can we coordinate with MTSI?
  + Thomas: we need to avoid to discuss in too many SWGs. This was assigned to Video SWG, so we should not discuss elsewhere.
  + We expect to send this for approval.
  + Discussion remains open.
* Ryan present r05
  + Igor: not seen by MTSI, can we postpone
  + Ryan: would like to move
  + Thomas: support also to move - MTSI group can have time to address.
  + Igor: you can send to SA plenary.
  + Iraj: when will the work start? 118 or 120?
  + Frederic: We can send it to SA plenary, SA plenary will then agreed.
  + Stephane: we object as we did not have enough time to read,

**Decision:**

* R05 is not agreed, but will be sent to SA4 plenary.

**S4-220126** is **revised to S4-220227.**

| [S4-220227](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220227.zip) | WID on 5G media delivery architecture extensions for real-time and AR/MR experience | Samsung Guangzhou Mobile R&D | Hakju Ryan Lee |
| --- | --- | --- | --- |

**S4-220227** is **agreed.**

| [S4-220127](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220127.zip) | Draft WID on Media Capabilities for Augmented Reality | Xiaomi Communications, Qualcomm Incorporated | Emmanuel Thomas |
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**E-mail Discussion:**

| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;20b2ffea.2202C&S=) | teniou(TeniouGilles) | Fri, 18 Feb 2022 01:15:52 +0000 |
| --- | --- | --- |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;1303c556.2202C&S=) | Sungryeul Rhyu | Fri, 18 Feb 2022 10:40:23 +0900 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;6db10c76.2202C&S=) | Shuai Gao | Fri, 18 Feb 2022 09:43:52 +0000 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;cd0c0579.2202C&S=) | Shuai Gao | Fri, 18 Feb 2022 09:47:50 +0000 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;5c4d5ce1.2202C&S=) | Thomas Stockhammer | Fri, 18 Feb 2022 09:49:36 +0000 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;53cbb8e8.2202C&S=) | Emmanuel Thomas | Fri, 18 Feb 2022 11:35:05 +0000 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;4827d6e.2202C&S=) | Sungryeul Rhyu | Fri, 18 Feb 2022 21:28:49 +0900 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;6ed2e67b.2202C&S=) | Emmanuel Thomas | Fri, 18 Feb 2022 14:13:34 +0000 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;7bae13f.2202C&S=) | Milan Jelinek | Fri, 18 Feb 2022 12:21:18 -0500 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;bfbed4de.2202C&S=) | Thomas Stockhammer | Fri, 18 Feb 2022 18:20:38 +0000 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;7a1ee1b7.2202C&S=) | Milan Jelinek | Fri, 18 Feb 2022 13:42:26 -0500 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;ae79bb1.2202C&S=) | Emmanuel Thomas | Fri, 18 Feb 2022 19:34:22 +0000 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;d0a86d7b.2202C&S=) | Fabrice Plante | Fri, 18 Feb 2022 11:49:38 -0800 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;b12a1c95.2202C&S=) | Milan Jelinek | Fri, 18 Feb 2022 14:50:12 -0500 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;56b79e17.2202C&S=) | Emmanuel Thomas | Fri, 18 Feb 2022 20:26:01 +0000 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;9f574905.2202C&S=) | Fabrice Plante | Fri, 18 Feb 2022 12:43:24 -0800 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;20b3a82.2202C&S=) | Fabrice Plante | Fri, 18 Feb 2022 12:51:17 -0800 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;79a8cab2.2202C&S=) | Milan Jelinek | Fri, 18 Feb 2022 15:53:53 -0500 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;e386be56.2202C&S=) | Emmanuel Thomas | Fri, 18 Feb 2022 20:59:52 +0000 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;bec5a340.2202C&S=) | 高帅(联通集团中国联通研究院-本 | Sat, 19 Feb 2022 00:37:35 +0000 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;d5b2e6c8.2202C&S=) | teniou(TeniouGilles) | Sat, 19 Feb 2022 00:53:42 +0000 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;7ec4d63b.2202C&S=) | 高帅(联通集团中国联通研究院-本 | Sat, 19 Feb 2022 01:02:15 +0000 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;9ddd09d7.2202C&S=) | Thomas Stockhammer | Sun, 20 Feb 2022 17:31:08 +0000 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;23e96489.2202C&S=) | Emmanuel Thomas | Mon, 21 Feb 2022 10:53:57 +0000 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;51875540.2202C&S=) | gaos30 | Mon, 21 Feb 2022 19:01:19 +0800 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;562217c4.2202C&S=) | Thomas Stockhammer | Mon, 21 Feb 2022 11:41:21 +0000 |

| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;fc9d35dd.2202C&S=) | Multrus, Markus | Mon, 21 Feb 2022 16:18:04 +0000 |
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| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;57ccf2e4.2202C&S=) | Champel MaryLuc | Mon, 21 Feb 2022 16:35:07 +0000 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;c815fc2f.2202C&S=) | Curcio, Igor (Nokia - FI/Tampere) | Mon, 21 Feb 2022 16:41:44 +0000 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;82dc8a9.2202C&S=) | Emmanuel Thomas | Mon, 21 Feb 2022 16:49:11 +0000 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;7dafd130.2202C&S=) | Emmanuel Thomas | Mon, 21 Feb 2022 16:57:39 +0000 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;fbce15f0.2202C&S=) | Kyunghun Jung | Mon, 21 Feb 2022 16:57:49 +0000 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;21c02f9d.2202C&S=) | Thomas Stockhammer | Mon, 21 Feb 2022 17:07:28 +0000 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;7167e722.2202C&S=) | Milan Jelinek | Mon, 21 Feb 2022 12:11:24 -0500 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;16ecd5a3.2202C&S=) | Bruhn, Stefan | Mon, 21 Feb 2022 17:11:39 +0000 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;3484672a.2202C&S=) | Emmanuel Thomas | Mon, 21 Feb 2022 17:17:10 +0000 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;b30e53eb.2202C&S=) | teniou(TeniouGilles) | Mon, 21 Feb 2022 17:19:29 +0000 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;fa7574ac.2202C&S=) | Emmanuel Thomas | Mon, 21 Feb 2022 17:21:45 +0000 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;67896ce9.2202C&S=) | Multrus, Markus | Mon, 21 Feb 2022 17:30:46 +0000 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;17a531ff.2202C&S=) | Bruhn, Stefan | Mon, 21 Feb 2022 17:32:15 +0000 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;7db67462.2202C&S=) | Emmanuel Thomas | Mon, 21 Feb 2022 17:37:59 +0000 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;dc172ac3.2202C&S=) | Milan Jelinek | Mon, 21 Feb 2022 12:53:46 -0500 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;b87d401c.2202C&S=) | Curcio, Igor (Nokia - FI/Tampere) | Mon, 21 Feb 2022 17:57:21 +0000 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;d467b480.2202C&S=) | Emmanuel Thomas | Mon, 21 Feb 2022 18:01:46 +0000 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;c14cb726.2202C&S=) | Thomas Stockhammer | Mon, 21 Feb 2022 18:11:28 +0000 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;7495ef37.2202C&S=) | Bruhn, Stefan | Mon, 21 Feb 2022 18:22:19 +0000 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;5d8e1f07.2202C&S=) | Multrus, Markus | Mon, 21 Feb 2022 18:31:55 +0000 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;2e2200bc.2202C&S=) | Thomas Stockhammer | Mon, 21 Feb 2022 18:43:43 +0000 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;3db7ffde.2202C&S=) | Fabrice Plante | Mon, 21 Feb 2022 10:54:19 -0800 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;127db43d.2202C&S=) | Bruhn, Stefan | Mon, 21 Feb 2022 19:12:21 +0000 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;69f4d1eb.2202C&S=) | Fabrice Plante | Mon, 21 Feb 2022 12:09:53 -0800 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;b43aa151.2202C&S=) | Tomas Toftgård | Mon, 21 Feb 2022 20:55:24 +0000 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;b42bbf06.2202C&S=) | Bruhn, Stefan | Mon, 21 Feb 2022 20:59:50 +0000 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;d7df698f.2202C&S=) | Ahmed Hamza | Mon, 21 Feb 2022 21:15:27 +0000 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;d7683b57.2202C&S=) | Emmanuel Thomas | Mon, 21 Feb 2022 21:23:28 +0000 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;20850782.2202C&S=) | Tomas Toftgård | Mon, 21 Feb 2022 21:40:18 +0000 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;5986ec44.2202C&S=) | Emmanuel Thomas | Mon, 21 Feb 2022 22:13:24 +0000 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;36b8428c.2202C&S=) | Milan Jelinek | Mon, 21 Feb 2022 17:14:23 -0500 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;a046ba4.2202C&S=) | Emmanuel Thomas | Mon, 21 Feb 2022 22:20:36 +0000 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;42bdd6c0.2202D&S=) | Tomas Toftgård | Mon, 21 Feb 2022 23:54:21 +0000 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;1d1cd74c.2202D&S=) | Emmanuel Thomas | Tue, 22 Feb 2022 10:19:39 +0000 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;b3067ebc.2202D&S=) | 高帅(联通集团中国联通研究院-本 | Tue, 22 Feb 2022 10:33:19 +0000 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;5e73a3d5.2202D&S=) | Bruhn, Stefan | Tue, 22 Feb 2022 10:54:30 +0000 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;3c7df506.2202D&S=) | Emmanuel Thomas | Tue, 22 Feb 2022 11:15:07 +0000 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;6642f582.2202D&S=) | Multrus, Markus | Tue, 22 Feb 2022 11:37:42 +0000 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;3b672530.2202D&S=) | Emmanuel Thomas | Tue, 22 Feb 2022 11:51:15 +0000 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;2583a56c.2202D&S=) | Multrus, Markus | Tue, 22 Feb 2022 12:26:20 +0000 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;e56818fd.2202D&S=) | Bruhn, Stefan | Tue, 22 Feb 2022 13:04:18 +0000 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;5747ce17.2202D&S=) | Milan Jelinek | Tue, 22 Feb 2022 08:11:39 -0500 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;86ab38fa.2202D&S=) | Tomas Toftgård | Tue, 22 Feb 2022 13:58:31 +0000 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;53fc1cc5.2202D&S=) | Emmanuel Thomas | Tue, 22 Feb 2022 14:42:58 +0000 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;3fc6441c.2202D&S=) | Tomas Toftgård | Tue, 22 Feb 2022 14:55:48 +0000 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;fa226fe8.2202D&S=) | Thomas Stockhammer | Tue, 22 Feb 2022 14:59:10 +0000 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;2f0ed84f.2202D&S=) | Milan Jelinek | Tue, 22 Feb 2022 10:32:38 -0500 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;e7ec354e.2202D&S=) | Thomas Stockhammer | Tue, 22 Feb 2022 15:39:10 +0000 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;8e8591bc.2202D&S=) | Emmanuel Thomas | Tue, 22 Feb 2022 15:53:23 +0000 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;db63f51e.2202D&S=) | Fabrice Plante | Tue, 22 Feb 2022 10:26:57 -0800 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;b888388.2202D&S=) | Bruhn, Stefan | Tue, 22 Feb 2022 19:22:59 +0000 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;9f422e0c.2202D&S=) | Thomas Stockhammer | Tue, 22 Feb 2022 20:07:32 +0000 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;ea6febbc.2202D&S=) | Emmanuel Thomas | Tue, 22 Feb 2022 20:38:02 +0000 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;b3c047bd.2202D&S=) | Milan Jelinek | Tue, 22 Feb 2022 16:02:51 -0500 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;c6c8863c.2202D&S=) | Bruhn, Stefan | Tue, 22 Feb 2022 21:19:52 +0000 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;ee5232e0.2202D&S=) | Thomas Stockhammer | Tue, 22 Feb 2022 21:23:56 +0000 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;b9e8cce9.2202D&S=) | Thomas Stockhammer | Tue, 22 Feb 2022 21:29:00 +0000 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;6d201f22.2202D&S=) | Stephane Ragot | Tue, 22 Feb 2022 21:30:40 +0000 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;10010f7e.2202D&S=) | Thomas Stockhammer | Tue, 22 Feb 2022 21:34:38 +0000 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;5d10df4e.2202D&S=) | 高帅(联通集团中国联通研究院-本 | Tue, 22 Feb 2022 21:38:39 +0000 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;eaee5fe6.2202D&S=) | Emmanuel Thomas | Tue, 22 Feb 2022 21:40:23 +0000 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;e09655e1.2202D&S=) | Thomas Stockhammer | Tue, 22 Feb 2022 21:42:38 +0000 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;f8d0a5a2.2202D&S=) | Multrus, Markus | Tue, 22 Feb 2022 21:48:03 +0000 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;384e1eae.2202D&S=) | Curcio, Igor (Nokia - FI/Tampere) | Tue, 22 Feb 2022 21:54:27 +0000 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;91fe63.2202D&S=) | Emmanuel Thomas | Tue, 22 Feb 2022 21:58:05 +0000 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;1268bec.2202D&S=) | Thomas Stockhammer | Tue, 22 Feb 2022 22:01:43 +0000 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;a7e9d08c.2202D&S=) | Jaeyeon Song | Wed, 23 Feb 2022 07:10:32 +0900 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;67dd4a66.2202D&S=) | Emmanuel Thomas | Tue, 22 Feb 2022 22:14:10 +0000 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;986092b8.2202D&S=) | Bruhn, Stefan | Tue, 22 Feb 2022 22:27:08 +0000 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;7d3dff33.2202D&S=) | 高帅(联通集团中国联通研究院-本 | Tue, 22 Feb 2022 22:35:24 +0000 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;21e65b4d.2202D&S=) | Tomas Toftgård | Tue, 22 Feb 2022 22:59:23 +0000 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;2ff6ac3f.2202D&S=) | Milan Jelinek | Tue, 22 Feb 2022 18:00:33 -0500 |
| [[New WID/SID, 127, Block B, 21st Feb. 1800CET] Draft WID on Media Capabilities for Augmented Reality](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;7784fc76.2202D&S=) | Emmanuel Thomas |  |

**Revisions:**

* <https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_117-e/Inbox/drafts/Video/S4-220127r01.docx>
* <https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_117-e/Inbox/drafts/Video/S4-220127r02.docx>
* <https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_117-e/Inbox/drafts/Video/S4-220127r03.docx>
* <https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_117-e/Inbox/drafts/Video/S4-220127r04.docx>
* <https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_117-e/Inbox/drafts/Video/S4-220127r05.docx>
* <https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_117-e/Inbox/drafts/Video/S4-220127r06.docx>
* <https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_117-e/Inbox/drafts/Video/S4-220127r07.docx>
* <https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_117-e/Inbox/drafts/Video/S4-220127r08.docx>
* <https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_117-e/Inbox/drafts/Video/S4-220127r09.docx>
* <https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_117-e/Inbox/drafts/Video/S4-220127r10.docx>
* <https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_117-e/Inbox/drafts/Video/S4-220127r11.docx>
* <https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_117-e/Inbox/drafts/Video/S4-220127r12.docx>
* <https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_117-e/Inbox/drafts/Video/S4-220127r13.docx>
* <https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_117-e/Inbox/drafts/Video/S4-220127r14.docx>
* https://www.3gpp.org/ftp/tsg\_sa/WG4\_CODEC/TSGS4\_117-e/Inbox/drafts/Video/S4-220127r15.docx

**Online Discussion:**

* Emmanuel presents r09
  + Stefan: proposes to extend the timeline.
* Emmanuel presents r14
  + Stephane: clarification on TRs
  + Thomas: explains the details
  + Stephane: Please add ORANGE as co-signers
  + Shuai: QoE bullets was not updated to based on VR Metrics.
  + Milan: We are not comfortable with this work item as IVAS was removed
  + Stefan: IVAS needs to be integrate, it has a prominent role
  + Stefan: What about integration of audio and video
    - Thomas: this is what scene description is for

**Decision:**

* Needs more updates and will be sent to SA plenary

**S4-220127** is **revised to S4-220319.**

| [S4-220319](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_117-e/Docs/S4-220319.zip) | Draft WID on Media Capabilities for Augmented Reality | Xiaomi Communications, Qualcomm Incorporated | Emmanuel Thomas |
| --- | --- | --- | --- |

**S4-220319** is **presented to SA4 plenary.**

## 10.11 Liaisons and Liaison Responses

See 10.3

## 10.12 Any Other Business

### Report

The report will be made available in **S4-220277**.

### Output documents

| 13.5 | Video SWG |  | 277 |
| --- | --- | --- | --- |
| 15.3 | 8K\_TV\_5G (8K Television over 5G) |  | 26.116: 213  26.511: 276  26.925: 217  WS: 222 |
| 16 | Release 18 Features |  |  |
| 17.1 | FS\_XRTraffic (Feasibility Study on Typical Traffic Characteristics for XR Services and other Media) |  | 26.926: 220  TP: 221 |
| 17.2 | FS\_VR\_CoGui (Feasibility Study on VR Streaming Conformance and Guidelines) |  | 26.999: 160 |
| 17.3 | FS\_5GVideo (Feasibility Study on 5G Video Codec Characteristics) |  | ER: 046->298a  TP: 204a  PD: 205  26.955: 206 |
| 17.4 | FS\_5GSTAR (Feasibility Study on 5G Glass-type AR/MR Devices) |  | 26.998: 198 |
| 19 | New Work / New Work Items and Study Items |  | FS\_AI4Media: 226  5G\_AREA: 227  MeCAR: 319  SmarTAR: 225 |

### AHG Telcos

* 3GPP SA4 Video SWG Telco (Mar 8, 2022, 15:30 – 17:30 CET, Host Qualcomm)
* 3GPP SA4 Video SWG Telco (Mar 22, 2022, 15:30 – 17:30 CET, Host Qualcomm)

## 10.13 Close of the session

The chairman thanked the participants. Thomas Stockhammer thanked the chairman on behalf of the delegates.

The online session was closed on February 23, 2022 at 00:29 (CET).

No more e-mail approval is pending.

## 10.14 Attendees

| **TITLE** | **Family Name** | **Given Name** | **Organization Represented** | **PRESENCE** |
| --- | --- | --- | --- | --- |
| Mr. | Achter | Johannes | T-Mobile Austria GmbH |  |
| Dr. | Ahsan | Saba | Nokia Belgium |  |
| Mr. | Aracena | Mauricio | Ericsson LM |  |
| Mr. | AUMONT | FRANCK | InterDigital France R&D, SAS |  |
| Dr. | Bouazizi | Imed | QUALCOMM Europe Inc. - Italy |  |
| Dr. | Bradbury | Richard | BBC |  |
| Dr. | Bruhn | Stefan | Dolby Laboratories Inc. |  |
| Dr. | Budagavi | Madhukar | Samsung Electronics Iberia SA |  |
| Mr. | Burdinat | Christophe | ATEME |  |
| Mr. | Burman | Bo | Ericsson France S.A.S |  |
| Dr. | Cetinkaya | Egemen | Verizon Denmark |  |
| Mr. | Chakraborty | Prasenjit | Samsung R&D Institute India |  |
| Mr. | Champel | Mary-Luc | Beijing Xiaomi Electronics | yes |
| Dr. | Chan | Yee Sin | Facebook |  |
| Dr. | Chen | Lulin | MediaTek Inc. | Yes |
| Mr. | Chien | Wei-Jung | Qualcomm Technologies Int |  |
| Mr. | Choi | Hyung-Nam | Motorola Mobility UK Ltd. |  |
| Mr. | Chou | Joey | Intel Korea, Ltd. |  |
| Dr. | Curcio | Igor | Nokia Corporation |  |
| Mr. | Dawkins | Spencer | Tencent | Yes |
| Mr. | De Bont | Frans | Philips International B.V. |  |
| Mr. | Defrance | Serge | InterDigital France R&D, SAS | Yes |
| Mr. | Doehla | Stefan | Fraunhofer IIS | Yes |
| Ms. | Dong | Xufei | China Unicom |  |
| Dr. | Ehara | Hiroyuki | Panasonic Corporation |  |
| Miss | Eitoku | Haruka | NTT corporation |  |
| Dr. | El Essaili | Ali | Ericsson GmbH, Eurolab |  |
| Mr. | Fontaine | Loic | InterDigital France R&D, SAS |  |
| Mr. | Gabin | Frederic | Dolby Laboratories Inc. |  |
| Mrs. | Gao | Fei | China Mobile Com. Corporation |  |
| Mr. | Gao | Shuai | China Unicom |  |
| Mr. | Gao | Yuan | Huawei Telecommunication India |  |
| Mr. | Gibellino | Diego | TELECOM ITALIA S.p.A. | Yes |
| Dr. | Gorley | Paul | BBC |  |
| Mr. | Gu | Xiaojun | Huawei Technologies R&D UK |  |
| Mr. | Gudumasu | Srinivas | InterDigital Communications |  |
| Mr. | Gunkel | Simon | KPN N.V. |  |
| Dr. | Hamza | Ahmed | InterDigital Communications | Yes |
| Dr. | Han | Jae-Shin | LG Electronics Deutschland |  |
| Dr. | He | Xuan (Shane) | Nokia Germany |  |
| Dr. | He | Yong | Qualcomm Incorporated | Yes |
| Mr. | Heikkilä | Gunnar | Ericsson LM | Yes |
| Dr. | Hellge | Cornelius | Fraunhofer HHI |  |
| Dr. | Herglotz | Christian | FAU |  |
| Mr. | Higgs | Paul | Huawei Tech.(UK) Co.. Ltd |  |
| Dr. | Holub | Jan | Mesaqin.com s.r.o (Ltd.) |  |
| Mr. | Homkar | Ajay | Cadence Design Systems Inc. |  |
| Mr. | Howells | Elfed | Huawei Device Co., Ltd |  |
| Dr. | Hu | James | AT&T GNS Belgium SPRL |  |
| Mr. | Inoue | Yoshihiro | NTT |  |
| Ms. | Jang | Hyosun | Samsung Electronics Co., Ltd |  |
| Mr. | Jansson Toftgård | Tomas | Ericsson LM |  |
| Dr. | Jelinek | Milan | VoiceAge Corporation |  |
| Dr. | Joshi | Rajan | Samsung Research America |  |
| Dr. | Jung | Kyunghun | Facebook |  |
| Mr. | Kim | Joel | Meta USA |  |
| Dr. | Kim | Wuk | Harman GmbH |  |
| Mr. | Ko | Sunghwan | Samsung Electronics Co., Ltd |  |
| Dr. | Kolan | Prakash | Samsung Electronics Nordic AB |  |
| Dr. | Kroon | Peter | Apple Benelux B.V. |  |
| Mr. | Kwon | WooSuk | LG Electronics Inc. |  |
| Mr. | Laaksonen | Lasse | Nokia France | Yes |
| Mr. | Lau | Stephen | Kepler |  |
| Dr. | Lee | Brian | Dolby Laboratories Inc. | Yes |
| Dr. | Lee | Hakju Ryan | Samsung Guangzhou Mobile R&D | Yes |
| Mr. | Lei | Ryan | Facebook |  |
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| Mr. | Leung | Nikolai | QUALCOMM Europe Inc. - Spain |  |
| Miss | LI | QIUTING | ZTE Corporation |  |
| Mr. | Libunao | Gerardo | Verizon UK Ltd |  |
| Dr. | Litwic | Lukasz | Ericsson LM |  |
| Mr. | Liu | Dan | ZTE Corporation |  |
| Mr. | LIU | Jianning(Carry) | Beijing Xiaomi Software Tech |  |
| Mrs. | Liu | Yan | Huawei Tech.(UK) Co.. Ltd |  |
| Mr. | Lo | Charles | Qualcomm Finland RFFE Oy |  |
| Dr. | Lohmar | Thorsten | Ericsson GmbH, Eurolab |  |
| Ms. | Lu | Wei | Xiaomi Technology |  |
| Mr. | Ma | Liangping | QUALCOMM Europe Inc. - Italy |  |
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| Mr. | Mayer | Georg | HUAWEI TECHNOLOGIES Co. Ltd. |  |
| Dr. | Mika | Johann | ORS |  |
| Mr. | Morita | Naotaka | NTT corporation |  |
| Dr. | Moriya | Takehiro | NTT |  |
| Mr. | Multrus | Markus | Fraunhofer IIS | Yes |
| Mr. | Nangia | Vijay | Motorola Mobility UK Ltd. |  |
| Dr. | Ni | Hui | HUAWEI Technologies Japan K.K. |  |
| Mr. | O'Leary | Edward | Rogers Communications Canada | Yes |
| Mr. | Onno | Stephane | InterDigital France R&D, SAS |  |
| Dr. | Pan | Qi | HUAWEI TECHNOLOGIES Co. Ltd. | Yes |
| Mr. | Pazos | Marcelo | Qualcomm Korea |  |
| Dr. | Peng | Ke | OPPO |  |
| Mr. | Plante | Fabrice | Apple Italia S.R.L. | Yes |
| Mr. | Pousi | Timo | Ericsson LM |  |
| Mr. | Ragot | Stephane | Orange Romania |  |
| Mr. | Rämö | Anssi | Nokia Germany |  |
| Mr. | Reimes | Jan | HEAD acoustics GmbH |  |
| Mr. | Rhyu | Sungryeul | Samsung Electronics Romania | yes |
| Dr. | Rusanovskyy | Dmytro | Qualcomm Israel Ltd. |  |
| Mr. | Sanchez de la Fuente | Yago | Fraunhofer HHI | yes |
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| Dr. | Schierl | Thomas | Fraunhofer HHI |  |
| Dr. | Shailendra | Samar | Intel Technology India Pvt Ltd |  |
| Mr. | Simmons | John | Google Inc. |  |
| Mr. | Singer | David | Apple (UK) Limited |  |
| Dr. | Sodagar | Iraj | Tencent Cloud | Yes |
| Dr. | Song | Jaeyeon | Samsung Electronics Co., Ltd |  |
| Mr. | Steck | Chris | DTS Licensing Limited |  |
| Dr. | Stockhammer | Thomas | Qualcomm communications-France | yes |
| Dr. | Su | Huan-yu | HuaWei Technologies Co., Ltd | Yes |
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| Mr. | Sun | Zhao | Huawei Technologies Sweden AB |  |
| Mr. | Suzuki | Rihito | NTT |  |
| Dr. | Szczerba | Marek | Philips International B.V. |  |
| Mr. | Szucs | Paul | Sony Group Corporation |  |
| Dr. | TAN | PENG | TELUS |  |
| Dr. | Tech | Gerhard | Fraunhofer HHI |  |
| Mr. | Teniou | Gilles | Tencent |  |
| Mr. | THIENOT | Cedric | ENENSYS |  |
| Mr. | Thomas | Emmanuel | Xiaomi Communications | yes |
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| Dr. | Tourapis | Alexandros | Apple GmbH |  |
| Mr. | Tsujikawa | Toru | NTT corporation |  |
| Mr. | Varga | Imre | QUALCOMM JAPAN LLC. |  |
| Mr. | Wang | Bin | Beijing Xiaomi Mobile Softwar |  |
| Mr. | Wang | Dong | Guangdong OPPO Mobile Telecom. | Yes |
| Dr. | Wang | Xin | MediaTek Inc. | Yes |
| Mr. | Wang | Zhe | HUAWEI TECH. GmbH |  |
| Dr. | Wey | Jun Shan | Verizon Switzerland AG |  |
| Ms. | WU | Jinhua | Beijing Xiaomi Mobile Software |  |
| Mr. | Xie | Minjie | OPPO | Yes |
| Mr. | Xu | Song | China Mobile Com. Corporation |  |
| Mr. | yan | hua | ZTE Corporation |  |
| Dr. | Yang | Hyun-Koo | Samsung Electronics Czech |  |
| Mrs. | Yin | Yujian | China Mobile Com. Corporation |  |
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| Mr. | Zeng | Qingjun | CBN |  |
| Dr. | Zhang | Zhuoyun | Tencent Cloud |  |