Video SWG Minutes during SA4#119e

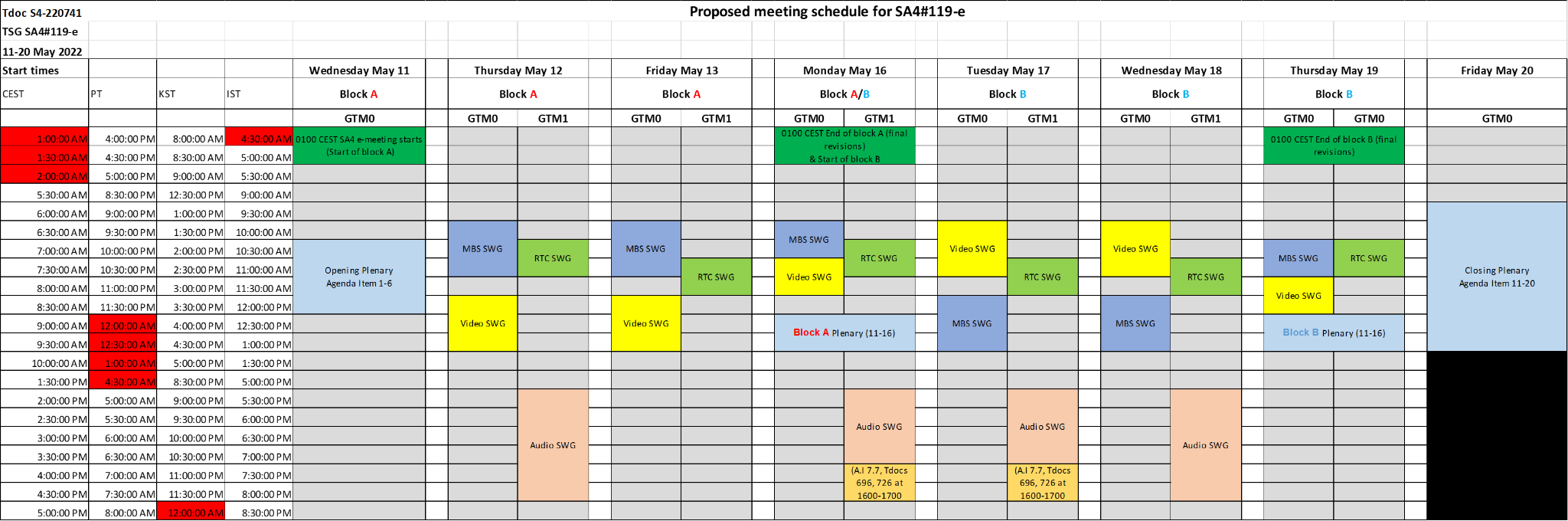
## 9.1 Opening of the session

Mr. Gilles Teniou (Tencent, Chairman of Video SWG) opens the Video SWG on May 12, 2022 at 8:30 CEST.

E-mail discussion started already on Tue, 10 May 2022 23:05:06 +0000.

| [Start of SA4#119-e meeting - VIDEO SWG](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;696645eb.2205B&S=) | teniou(TeniouGilles) | Tue, 10 May 2022 23:05:06 +0000 |
| --- | --- | --- |

**SA4 Schedule:**



**Video Schedule**

| **Milestone/session** | **Date** | **CEST** | **PDT** | **KST** |
| --- | --- | --- | --- | --- |
| Start of SA4 e-meeting (Email) | 11th May | 1am | 4pm (-1) | 8am |
| Start of Block A | 11th May | 1am | 4pm (-1) | 8am |
| **SA4 Opening plenary** | | | | |
| **Opening plenary Telco** | 11th May | 7am  9am | 10pm (-1)  midnight | 2pm  4pm |
| **VIDEO SWG Sessions (Block A)** | | | | |
| Slot 1 (90min) | 12th May | 8:30am  10am | 11:30pm (-1)  1am | 3:30pm  5pm |
| Slot 2 (90min) | 13th May | 8:30am  10am | 11:30pm (-1)  1am | 3:30pm  5pm |
| End of Block A (final revisions)  Start of Block B | 16th May | 1am | 4pm (-1) | 8am |
| Slot 3 (60min) | 16th May | 7:30am  8:30am | 10:30pm (-1)  11:30pm (-1) | 2:30pm  3:30pm |
| Block A plenary | 16th May | 9am  10am | Midnight  1am | 4pm  5pm |
| **VIDEO SWG Sessions (Block B)** | | | | |
| Slot 4 (90 min) | 17th May | 6:30am  8am | 9:30pm (-1)  11pm (-1) | 1:30pm  3pm |
| Slot 5 (90 min) | 18th May | 6:30am  8am | 9:30pm (-1)  11pm (-1) | 1:30pm  3pm |
| End of Block B | 19th May | 1am | 4pm (-1) | 8am |
| Slot 6 (60min) | 19th May | 8am  9am | 11pm (-1)  Midnight | 3pm  4pm |
| Block B plenary | 19th May | 9am  10am | Midnight  1am | 4pm  5pm |
| **SA4 Closing plenary** | | | | |
| **Closing plenary Telco** | 20th May | 6am  10am | 9pm (-1)  1am | 1pm  5pm |

**Per session schedule (Tentative):**

*topics to be covered in priority (other topics may be addressed if time allows)*

* Slot 1: FS\_5GVideo
* Slot 2: FS\_XRTraffic then FS\_5GVideo
* Slot 3: Washup Block A
* Slot 4: FS\_5GVideo/ FS\_XRTraffic / MeCAR / FS\_AI4Media / New Work
* Slot 5: FS\_5GVideo/ FS\_XRTraffic / MeCAR / FS\_AI4Media / New Work
* Slot 6: Washup Block B and remaining Block A extended

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

The minutes are shared [Video SWG Minutes during SA4#119e](https://docs.google.com/document/d/1l3oNJ3dwn54am1jkmdIrzvrQYHbm7LOJEX0s-TLFu4c/edit?usp=sharing).

Attendees are listed [here](#6p4p3oudrmsc), please add attendance ‘Y’.

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

* https://list.etsi.org/scripts/wa.exe?A1=ind2205B&L=3GPP\_TSG\_SA\_WG4\_VIDEO
* https://list.etsi.org/scripts/wa.exe?A1=ind2205C&L=3GPP\_TSG\_SA\_WG4\_VIDEO

The agenda and the registration of documents are agreed.

The latest timestamp for e-mail is here: Thu, 19 May 2022 18:08:39 +0900

## 9.2 Registration of documents

| **TDoc** | **Title** | **Source** | **Agenda item** |
| --- | --- | --- | --- |
| **S4-220613** | [MeCAR] Device Architecture for External Display Glass for AR (EDGAR) device | Qualcomm Incorporated | 9.5 |
| **S4-220614** | [MeCAR] Draft Media Capabilities for EDGAR | Qualcomm Incorporated | 9.5 |
| [**S4-220640**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220640.zip) | Proposed names for device category (EDGAR-type) | Xiaomi Communications | 9.5 |
| [**S4-220641**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220641.zip) | Inspiration for defining GPU capability for MeCAR | Xiaomi Communications | 9.5 |
| [**S4-220642**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220642.zip) | Revised Work Plan for MeCAR | Xiaomi Communications | 9.5 |
| [**S4-220643**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220643.zip) | Proposed terminal architecture for “EDGAR” MeCAR | Xiaomi Communications | 9.5 |
| [**S4-220648**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220648.zip) | Real-time delivery of V3C media | Nokia Corporation | 9.5 |
| [**S4-220651**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220651.zip) | [MeCAR] The EDGAR device architecture | Tencent Cloud | 9.5 |
| [**S4-220672**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220672.zip) | [MeCAR] On split rendering media format | Samsung Electronics GmbH | 9.5 |
| [**S4-220673**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220673.zip) | [MeCAR] On split rendering information | Samsung Electronics GmbH | 9.5 |
| [**S4-220674**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220674.zip) | [MeCAR] On MeCAR architecture | Samsung Electronics GmbH | 9.5 |
| **S4-220735** | [MeCAR] Clarification on the AR glasses device type | InterDigital France R&D, SAS | 9.5 |
| [**S4-220736**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220736.zip) | [MeCAR] Clarification on the AR glasses device type | InterDigital Communications | 9.5 |
| [**S4-220604**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220604.zip) | TR26.955: Proposed Editor's Update | Qualcomm Incorporated | 9.6 |
| **S4-220605** | [FS\_5G\_Video] Status before SA4#119e | Qualcomm Incorporated | 9.6 |
| [**S4-220606**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220606.zip) | [FS\_5G\_Video] EFS Bitrates | Qualcomm Incorporated | 9.6 |
| [**S4-220607**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220607.zip) | [FS\_5G\_Video] Verification Updates | Qualcomm Incorporated | 9.6 |
| [**S4-220608**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220608.zip) | [FS\_5G\_Video] Characterization Updates | Qualcomm Incorporated | 9.6 |
| **S4-220609** | [FS\_5G\_Video] Further Characterization Updates and Cleaning | Qualcomm Incorporated | 9.6 |
| [**S4-220610**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220610.zip) | [FS\_5G\_Video] Initial Conclusions | Qualcomm Incorporated | 9.6 |
| **S4-220611** | [FS\_5G\_Video] Time Plan Considerations | Qualcomm Incorporated | 9.6 |
| [**S4-220683**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220683.zip) | [FS\_5GVideo] JM Verification | Qualcomm France | 9.6 |
| [**S4-220722**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220722.zip) | [FS\_5GVideo] Proposed editorial changes to the TR text | Ericsson LM, Fraunhofer HHI, InterDigital and Qualcomm Inc. | 9.6 |
| [**S4-220723**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220723.zip) | [FS\_5GVideo] Verification of the EVC bitstreams | Samsung Electronics Co. Ltd., Qualcomm Inc. | 9.6 |
| [**S4-220727**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220727.zip) | [FS\_5GVideo] Verification of the VVC results | Qualcomm Inc., Fraunhofer HHI, Ericsson LM, InterDigital | 9.6 |
| [**S4-220732**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220732.zip) | Update on AV1 Results | Google Inc. | 9.6 |
| [**S4-220734**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220734.zip) | Reproducing AV1 test results | Google Inc. | 9.6 |
| [**S4-220737**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220737.zip) | Updates to 26.955 - Scope and Reference | Tencent | 9.6 |
| [**S4-220738**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220738.zip) | Editorial Updates to 26.955 to Clause 4 and 5 | Tencent | 9.6 |
| [**S4-220739**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220739.zip) | Updates to 26.955 to Clause 6 and 7 | Tencent | 9.6 |
| **S4-220612** | [FS\_XRTraffic] Proposed Updates to TR26.926 | Qualcomm Incorporated | 9.7 |
| [**S4-220627**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220627.zip) | NNEF format for AI/ML | Qualcomm Technologies Ireland | 9.8 |
| **S4-220631** | [FS\_AI4Media] Proposed Updated Time and Work Plan | Samsung Electronics Iberia SA | 9.8 |
| [**S4-220632**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220632.zip) | [FS\_AI4Media] Update on use cases | Samsung Electronics Iberia SA | 9.8 |
| [**S4-220633**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220633.zip) | [FS\_AI4Media] Discussion on basic architecture for AI/ML | Samsung Electronics Iberia SA | 9.8 |
| [**S4-220710**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220710.zip) | [FS\_AI4Media] Definitions and AI/ML model composition | InterDigital Finland Oy | 9.8 |
| [**S4-220711**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220711.zip) | [FS\_AI4Media] Use-case 2.3 update | InterDigital Finland Oy | 9.8 |
| [**S4-220675**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220675.zip) | Draft SID on XR Service Collaboration Extension in the Network Media Layer | China Mobile Com. Corporation | 9.9 |
| [**S4-220676**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220676.zip) | Discussion Paper Updated on XR collaboration extension | China Mobile Com. Corporation | 9.9 |
| [**S4-220682**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220682.zip) | Feasibility Study on AR and MR QoE Metrics | China Unicom, Huawei, CATT, ZTE, OPPO, Nokia Corporation | 9.9 |

## 9.3 Reports and liaisons from other groups

No documents

## 9.4 CRs to Features in Release 17 and earlier

No documents

## 9.5 MeCAR (Media Capabilities for Augmented Reality)

*WID:* [*SP-220242*](https://www.3gpp.org/ftp/TSG_SA/TSG_SA/TSGs_95E_Electronic_2022_03/Docs/SP-220242.zip) *New WID on ‘Media Capabilities for Augmented Reality’*

| S4-220613 | [MeCAR] Device Architecture for External Display Glass for AR (EDGAR) device | Qualcomm Incorporated | Thomas Stockhammer |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [MeCAR doc 613](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;c5fe0e71.2205C&S=) | Thomas Stockhammer | Mon, 16 May 2022 12:00:08 +0000 |
| --- | --- | --- |
| [MeCAR doc 613](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;292921ae.2205C&S=) | Emmanuel Thomas | Mon, 16 May 2022 15:43:57 +0000 |
| [MeCAR doc 613](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;1cab8870.2205C&S=) | Iraj Sodagar | Mon, 16 May 2022 16:59:33 +0000 |
| [MeCAR doc 613](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;c55830d8.2205C&S=) | Thomas Stockhammer | Mon, 16 May 2022 17:11:05 +0000 |
| [MeCAR doc 613](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;ec19350f.2205C&S=) | Iraj Sodagar | Mon, 16 May 2022 18:04:15 +0000 |
| [MeCAR doc 613](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;7d65fb17.2205C&S=) | Thomas Stockhammer | Mon, 16 May 2022 20:19:40 +0000 |
| [MeCAR doc 613](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;703c5b5c.2205C&S=) | Iraj Sodagar | Mon, 16 May 2022 21:13:34 +0000 |
| [MeCAR doc 613](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;7b99d139.2205C&S=) | Sungryeul Rhyu | Tue, 17 May 2022 11:22:19 +0900 |
| [MeCAR doc 613](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;60f589a0.2205C&S=) | Iraj Sodagar | Tue, 17 May 2022 03:18:39 +0000 |
| [MeCAR doc 613](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;6b7beb34.2205C&S=) | Sungryeul Rhyu | Tue, 17 May 2022 13:07:25 +0900 |
| [MeCAR doc 613](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;5064032e.2205C&S=) | Thomas Stockhammer | Tue, 17 May 2022 04:16:55 +0000 |
| [MeCAR doc 613](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;2193a068.2205C&S=) | Iraj Sodagar | Tue, 17 May 2022 04:17:05 +0000 |
| [MeCAR doc 613](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;f0596381.2205C&S=) | Emmanuel Thomas | Tue, 17 May 2022 04:40:08 +0000 |
| [MeCAR doc 613](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;572975ca.2205C&S=) | Iraj Sodagar | Tue, 17 May 2022 05:21:49 +0000 |
| [MeCAR doc 613](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;1b56ce49.2205C&S=) | Thomas Stockhammer | Tue, 17 May 2022 11:06:06 +0000 |
| [MeCAR doc 613](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;7f7dda93.2205C&S=) | Iraj Sodagar | Tue, 17 May 2022 19:22:52 +0000 |
| [MeCAR doc 613](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;1fcf02d7.2205C&S=) | Thomas Stockhammer | Tue, 17 May 2022 19:27:52 +0000 |
| [MeCAR doc 613](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;ef407d45.2205C&S=) | Iraj Sodagar | Tue, 17 May 2022 20:14:11 +0000 |

**Revisions:**

| [S4-220613-Architecture-Tencent.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_119-e/Inbox/Drafts/Video/S4-220613-Architecture-Tencent.docx) | 5/17/2022 4:14 |
| --- | --- |

**Online Discussion:**

* Stefan: What is ‘-1’
  + Version
* SR: not happy with naming

**Decision:**

* **We trigger an e-mail discussion on naming**
* **Architecture is merged into S4-220850**

**S4-220613** is **merged to S4-220850.**

| [S4-220850](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220850.zip) | Terminal architecture for “EDGAR” MeCAR | Xiaomi, Qualcomm Incorporated, Tencent Cloud, Samsung Electronics Co., Ltd. | Thomas Stockhammer |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [[MeCAR] Device category naming thread (PD, 613 and 640)](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;960fc767.2205C&S=) | Emmanuel Thomas | Wed, 18 May 2022 12:56:44 +0000 |
| --- | --- | --- |
| [[MeCAR] Device category naming thread (PD, 613 and 640)](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;7d7cc86a.2205C&S=) | Thomas Stockhammer | Wed, 18 May 2022 13:41:03 +0000 |
| [[MeCAR] Device category naming thread (PD, 613 and 640)](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;d5261085.2205C&S=) | Sungryeul Rhyu | Wed, 18 May 2022 22:42:41 +0900 |
| [[MeCAR] Device category naming thread (PD, 613 and 640)](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;b0e25a28.2205C&S=) | teniou(TeniouGilles) | Wed, 18 May 2022 20:42:49 +0000 |
| [[MeCAR] Device category naming thread (PD, 613 and 640)](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;be256527.2205C&S=) | Iraj Sodagar | Thu, 19 May 2022 03:56:26 +0000 |

| [[MeCAR] Unified thread for device architecture discussion (613, 643, 651, 674)](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;6bcdac0f.2205C&S=) | Emmanuel Thomas | Tue, 17 May 2022 09:01:50 +0000 |
| --- | --- | --- |
| [[MeCAR] Unified thread for device architecture discussion (613, 643, 651, 674)](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;c5128bf0.2205C&S=) | Thomas Stockhammer | Tue, 17 May 2022 11:01:42 +0000 |
| [[MeCAR] Unified thread for device architecture discussion (613, 643, 651, 674)](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;1b8a2625.2205C&S=) | Ali El Essaili | Tue, 17 May 2022 12:31:26 +0000 |
| [[MeCAR] Unified thread for device architecture discussion (613, 643, 651, 674)](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;5118d172.2205C&S=) | Emmanuel Thomas | Tue, 17 May 2022 13:30:39 +0000 |
| [[MeCAR] Unified thread for device architecture discussion (613, 643, 651, 674)](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;22b665db.2205C&S=) | Emmanuel Thomas | Tue, 17 May 2022 13:41:18 +0000 |
| [[MeCAR] Unified thread for device architecture discussion (613, 643, 651, 674)](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;1f388bb9.2205C&S=) | Ali El Essaili | Tue, 17 May 2022 14:02:07 +0000 |
| [[MeCAR] Unified thread for device architecture discussion (613, 643, 651, 674)](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;5d1855f0.2205C&S=) | Iraj Sodagar | Tue, 17 May 2022 19:58:10 +0000 |
| [[MeCAR] Unified thread for device architecture discussion (613, 643, 651, 674)](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;b97e80fb.2205C&S=) | teniou(TeniouGilles) | Tue, 17 May 2022 20:34:39 +0000 |
| [[MeCAR] Unified thread for device architecture discussion (613, 643, 651, 674)](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;4141d8d6.2205C&S=) | Thomas Stockhammer | Wed, 18 May 2022 02:15:51 +0000 |
| [[MeCAR] Unified thread for device architecture discussion (613, 643, 651, 674)](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;19b7afc2.2205C&S=) | Sungryeul Rhyu | Wed, 18 May 2022 11:26:52 +0900 |
| [[MeCAR] Unified thread for device architecture discussion (613, 643, 651, 674)](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;c5644415.2205C&S=) | Iraj Sodagar | Wed, 18 May 2022 03:33:06 +0000 |
| [[MeCAR] Unified thread for device architecture discussion (613, 643, 651, 674)](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;ec7c451d.2205C&S=) | Emmanuel Thomas | Wed, 18 May 2022 04:28:59 +0000 |
| [[MeCAR] Unified thread for device architecture discussion (613, 643, 651, 674)](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;58ba8994.2205C&S=) | Emmanuel Thomas | Thu, 19 May 2022 06:56:12 +0000 |
| [[MeCAR] Unified thread for device architecture discussion (613, 643, 651, 674)](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;cf55778d.2205C&S=) | Thomas Stockhammer | Thu, 19 May 2022 08:07:06 +0000 |
| [[MeCAR] Unified thread for device architecture discussion (613, 643, 651, 674)](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;979e546a.2205C&S=) | Sungryeul Rhyu | Thu, 19 May 2022 18:08:39 +0900 |

**Revisions:**

none

**Online Discussion:**

* Stefan: What is ‘-1’
  + Version
* SR: not happy with naming

**Decision:**

* **We trigger an e-mail discussion on naming**
* **Architecture is merged into S4-220850**

**S4-220613** is **merged to S4-220850.**

| S4-220614 | [MeCAR] Draft Media Capabilities for EDGAR | Qualcomm Incorporated | Thomas Stockhammer |
| --- | --- | --- | --- |

**S4-220614** is **withdrawn.**

| [S4-220640](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220640.zip) | Proposed names for device category (EDGAR-type) | Xiaomi Communications | Emmanuel Thomas |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [[MeCAR, 640, Block B, 18th May 0600CEST] Proposed names for device category (EDGAR-type)](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;9b589064.2205C&S=) | teniou(TeniouGilles) | Sun, 15 May 2022 22:55:08 +0000 |
| --- | --- | --- |
| [[MeCAR, 640, Block B, 18th May 0600CEST] Proposed names for device category (EDGAR-type)](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;c9798191.2205C&S=) | Iraj Sodagar | Mon, 16 May 2022 00:19:20 +0000 |
| [[MeCAR, 640, Block B, 18th May 0600CEST] Proposed names for device category (EDGAR-type)](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;254bd1e2.2205C&S=) | Hakju Ryan Lee | Mon, 16 May 2022 13:52:26 +0900 |
| [[MeCAR, 640, Block B, 18th May 0600CEST] Proposed names for device category (EDGAR-type)](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;c7a7ef27.2205C&S=) | Emmanuel Thomas | Mon, 16 May 2022 07:20:57 +0000 |
| [[MeCAR, 640, Block B, 18th May 0600CEST] Proposed names for device category (EDGAR-type)](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;c785089b.2205C&S=) | Emmanuel Thomas | Mon, 16 May 2022 14:02:15 +0000 |
| [[MeCAR, 640, Block B, 18th May 0600CEST] Proposed names for device category (EDGAR-type)](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;8e06d8f7.2205C&S=) | Thomas Stockhammer | Mon, 16 May 2022 14:17:15 +0000 |

**Revisions:**

None

**Online Discussion:**

* Gilles summarizes the discussion
* Emmanuel proposes to note

**Decision:**

**S4-220640** is **noted.**

| [S4-220641](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220641.zip) | Inspiration for defining GPU capability for MeCAR | Xiaomi Communications | Emmanuel Thomas |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [[MeCAR, 641, Block B, 18th May 0600CEST] Inspiration for defining GPU capability for MeCAR](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;edf08676.2205C&S=) | teniou(TeniouGilles) | Sun, 15 May 2022 22:55:30 +0000 |
| --- | --- | --- |
| [[MeCAR, 641, Block B, 18th May 0600CEST] Inspiration for defining GPU capability for MeCAR](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;2392845c.2205C&S=) | Iraj Sodagar | Mon, 16 May 2022 04:34:41 +0000 |
| [[MeCAR, 641, Block B, 18th May 0600CEST] Inspiration for defining GPU capability for MeCAR](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;93de363e.2205C&S=) | Sungryeul Rhyu | Mon, 16 May 2022 14:08:57 +0900 |
| [[MeCAR, 641, Block B, 18th May 0600CEST] Inspiration for defining GPU capability for MeCAR](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;e0e3522c.2205C&S=) | Kyunghun Jung | Mon, 16 May 2022 08:23:31 +0000 |
| [[MeCAR, 641, Block B, 18th May 0600CEST] Inspiration for defining GPU capability for MeCAR](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;3bfa1693.2205C&S=) | Emmanuel Thomas | Mon, 16 May 2022 14:51:27 +0000 |
| [[MeCAR, 641, Block B, 18th May 0600CEST] Inspiration for defining GPU capability for MeCAR](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;2dd07ac0.2205C&S=) | Emmanuel Thomas | Mon, 16 May 2022 15:06:44 +0000 |
| [[MeCAR, 641, Block B, 18th May 0600CEST] Inspiration for defining GPU capability for MeCAR](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;f8f234a1.2205C&S=) | Emmanuel Thomas | Mon, 16 May 2022 15:17:04 +0000 |
| [[MeCAR, 641, Block B, 18th May 0600CEST] Inspiration for defining GPU capability for MeCAR](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;c46d075.2205C&S=) | Iraj Sodagar | Mon, 16 May 2022 16:47:15 +0000 |
| [[MeCAR, 641, Block B, 18th May 0600CEST] Inspiration for defining GPU capability for MeCAR](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;1b42efde.2205C&S=) | Kyunghun Jung | Mon, 16 May 2022 18:24:15 +0000 |
| [[MeCAR, 641, Block B, 18th May 0600CEST] Inspiration for defining GPU capability for MeCAR](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;528167e2.2205C&S=) | Sungryeul Rhyu | Tue, 17 May 2022 11:02:49 +0900 |
| [[MeCAR, 641, Block B, 18th May 0600CEST] Inspiration for defining GPU capability for MeCAR](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;40126bcb.2205C&S=) | Emmanuel Thomas | Tue, 17 May 2022 04:22:35 +0000 |
| [[MeCAR, 641, Block B, 18th May 0600CEST] Inspiration for defining GPU capability for MeCAR](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;72afe8b3.2205C&S=) | Thomas Stockhammer | Tue, 17 May 2022 15:29:20 +0000 |
| [[MeCAR, 641, Block B, 18th May 0600CEST] Inspiration for defining GPU capability for MeCAR](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;6cdbab03.2205C&S=) | Thomas Stockhammer | Tue, 17 May 2022 15:35:37 +0000 |
| [[MeCAR, 641, Block B, 18th May 0600CEST] Inspiration for defining GPU capability for MeCAR](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;9885c68e.2205C&S=) | Thomas Stockhammer | Tue, 17 May 2022 15:36:22 +0000 |
| [[MeCAR, 641, Block B, 18th May 0600CEST] Inspiration for defining GPU capability for MeCAR](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;e56f54c2.2205C&S=) | Thomas Stockhammer | Tue, 17 May 2022 15:37:36 +0000 |
| [[MeCAR, 641, Block B, 18th May 0600CEST] Inspiration for defining GPU capability for MeCAR](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;6d3cae5d.2205C&S=) | Iraj Sodagar | Tue, 17 May 2022 20:00:10 +0000 |
| [[MeCAR, 641, Block B, 18th May 0600CEST] Inspiration for defining GPU capability for MeCAR](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;678874c1.2205C&S=) | Emmanuel Thomas | Wed, 18 May 2022 04:20:51 +0000 |
| [[MeCAR, 641, Block B, 18th May 0600CEST] Inspiration for defining GPU capability for MeCAR](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;b4bf62b7.2205C&S=) | Iraj Sodagar | Wed, 18 May 2022 05:23:43 +0000 |
| [[MeCAR, 641, Block B, 18th May 0600CEST] Inspiration for defining GPU capability for MeCAR](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;c7592f00.2205C&S=) | Emmanuel Thomas | Wed, 18 May 2022 09:37:27 +0000 |
| [[MeCAR, 641, Block B, 18th May 0600CEST] Inspiration for defining GPU capability for MeCAR](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;f43ecab9.2205C&S=) | Thomas Stockhammer | Wed, 18 May 2022 12:15:28 +0000 |

**Revisions:**

| [S4-220641 r1.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_119-e/Inbox/Drafts/Video/S4-220641%20r1.docx) | 5/18/2022 9:32 |
| --- | --- |

**Online Discussion:**

* SR: What is the rendered video?
  + Emmanuel: translates to what was done in Khronos. We should have
  + SR: minimum bar is hard to define
  + Thomas: I believe we should not kill this framework because of the details that we are not clear.
  + Iraj: also like the framework we should start with it
  + Thomas: point to the issue of addressing also pose.
* Agreeable, but revision is needed.

**Decision:**

* **We agree that the document needs to be updated, but generally agreeable taking into account the comments.**
* **We expect a revision**

**S4-220641** is **revised to S4-220765.**

| [S4-220765](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220765.zip) | Inspiration for defining GPU capability for MeCAR | Xiaomi Communications | Emmanuel Thomas |
| --- | --- | --- | --- |

**S4-220765** is **agreed.**

| [S4-220642](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220642.zip) | Revised Work Plan for MeCAR | Xiaomi Communications | Emmanuel Thomas |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [[MeCAR, 642, Block B, 18th May 0600CEST] Revised Work Plan for MeCAR](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;fb4dde55.2205C&S=) | teniou(TeniouGilles) | Sun, 15 May 2022 22:55:51 +0000 |
| --- | --- | --- |
| [[MeCAR, 642, Block B, 18th May 0600CEST] Revised Work Plan for MeCAR](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;32c95dcc.2205C&S=) | Thomas Stockhammer | Tue, 17 May 2022 19:56:05 +0000 |
| [[MeCAR, 642, Block B, 18th May 0600CEST] Revised Work Plan for MeCAR](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;ff74ec70.2205C&S=) | teniou(TeniouGilles) | Tue, 17 May 2022 19:58:17 +0000 |
| [[MeCAR, 642, Block B, 18th May 0600CEST] Revised Work Plan for MeCAR](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;8d262ba1.2205C&S=) | Emmanuel Thomas | Wed, 18 May 2022 05:09:31 +0000 |

**Revisions:**

| [S4-220642 r1.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_119-e/Inbox/Drafts/Video/S4-220642%20r1.docx) | 5/18/2022 5:07 |
| --- | --- |

**Online Discussion:**

* Emmanuel present r2
* Thomas: Sent out telco dates, should be taken into account

**Decision:**

* **Revise and add new telco dates**

**S4-220642** is **revised to S4-220852.**

| [S4-220852](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220852.zip) | Revised Work Plan for MeCAR | Xiaomi Communications | Emmanuel Thomas |
| --- | --- | --- | --- |

**S4-220852 is presented to SA4 plenary.**

| [S4-220643](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220643.zip) | Proposed terminal architecture for “EDGAR” MeCAR | Xiaomi Communications | Emmanuel Thomas |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [[MeCAR, 643, Block B, 18th May 0600CEST] Proposed terminal architecture for “EDGAR” MeCAR](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;90e15876.2205C&S=) | teniou(TeniouGilles) | Sun, 15 May 2022 22:54:28 +0000 |
| --- | --- | --- |
| [[MeCAR, 643, Block B, 18th May 0600CEST] Proposed terminal architecture for “EDGAR” MeCAR](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;34dbe154.2205C&S=) | Iraj Sodagar | Sun, 15 May 2022 23:31:46 +0000 |
| [[MeCAR, 643, Block B, 18th May 0600CEST] Proposed terminal architecture for “EDGAR” MeCAR](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;3df20ddf.2205C&S=) | Sungryeul Rhyu | Mon, 16 May 2022 09:32:54 +0900 |
| [[MeCAR, 643, Block B, 18th May 0600CEST] Proposed terminal architecture for “EDGAR” MeCAR](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;5ce85bc7.2205C&S=) | Emmanuel Thomas | Mon, 16 May 2022 09:43:10 +0000 |
| [[MeCAR, 643, Block B, 18th May 0600CEST] Proposed terminal architecture for “EDGAR” MeCAR](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;156011a7.2205C&S=) | Emmanuel Thomas | Mon, 16 May 2022 10:00:45 +0000 |
| [[MeCAR, 643, Block B, 18th May 0600CEST] Proposed terminal architecture for “EDGAR” MeCAR](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;18e7c862.2205C&S=) | Serge Defrance | Mon, 16 May 2022 12:18:41 +0000 |
| [[MeCAR, 643, Block B, 18th May 0600CEST] Proposed terminal architecture for “EDGAR” MeCAR](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;499fae5a.2205C&S=) | Emmanuel Thomas | Mon, 16 May 2022 14:40:45 +0000 |

**Revisions:**

none

**Decision:**

* **Architecture is merged into S4-220850**

**S4-220643** is **merged to S4-220850.**

| [S4-220648](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220648.zip) | Real-time delivery of V3C media | Nokia Corporation | Saba Ahsan |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [[MeCAR, 648, Block B, 18th May 0600CEST] Real-time delivery of V3C media](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;12d0a5b7.2205C&S=) | teniou(TeniouGilles) | Sun, 15 May 2022 22:55:17 +0000 |
| --- | --- | --- |
| [[MeCAR, 648, Block B, 18th May 0600CEST] Real-time delivery of V3C media](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;3b75a2fa.2205C&S=) | Emmanuel Thomas | Mon, 16 May 2022 07:54:08 +0000 |
| [[MeCAR, 648, Block B, 18th May 0600CEST] Real-time delivery of V3C media](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;52c511b0.2205C&S=) | Imed Bouazizi | Mon, 16 May 2022 16:29:12 +0000 |
| [[MeCAR, 648, Block B, 18th May 0600CEST] Real-time delivery of V3C media](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;11616d11.2205C&S=) | Emmanuel Thomas | Tue, 17 May 2022 05:12:19 +0000 |
| [[MeCAR, 648, Block B, 18th May 0600CEST] Real-time delivery of V3C media](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;2dfa4111.2205C&S=) | Kondrad, Lukasz (Nokia - DE/Munich) | Tue, 17 May 2022 05:57:41 +0000 |
| [[MeCAR, 648, Block B, 18th May 0600CEST] Real-time delivery of V3C media](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;b7cf36e3.2205C&S=) | Ahsan, Saba (Nokia - FI/Espoo) | Tue, 17 May 2022 08:31:23 +0000 |
| [[MeCAR, 648, Block B, 18th May 0600CEST] Real-time delivery of V3C media](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;5782d6b7.2205C&S=) | Emmanuel Thomas | Tue, 17 May 2022 09:06:15 +0000 |
| [[MeCAR, 648, Block B, 18th May 0600CEST] Real-time delivery of V3C media](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;c4cddf96.2205C&S=) | Emmanuel Thomas | Wed, 18 May 2022 10:05:21 +0000 |
| [[MeCAR, 648, Block B, 18th May 0600CEST] Real-time delivery of V3C media](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;e3eeca91.2205C&S=) | Thomas Stockhammer | Wed, 18 May 2022 10:43:53 +0000 |
| [[MeCAR, 648, Block B, 18th May 0600CEST] Real-time delivery of V3C media](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;ccfd41d.2205C&S=) | Emmanuel Thomas | Wed, 18 May 2022 12:11:14 +0000 |
| [[MeCAR, 648, Block B, 18th May 0600CEST] Real-time delivery of V3C media](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;b662cfff.2205C&S=) | Ahsan, Saba (Nokia - FI/Espoo) | Wed, 18 May 2022 13:29:06 +0000 |

**Revisions:**

| [S4-220648 RTP payload for V3C rXiaomi.doc](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_119-e/Inbox/Drafts/Video/S4-220648%20RTP%20payload%20for%20V3C%20rXiaomi.doc) | 5/18/2022 9:59 |
| --- | --- |

**Online Discussion:**

* Lukasz presents
* Emmanuel: Entire description of seems to be too much for inclusion.
  + Gilles: please propose a company contribution on what could be added
  + Saba: What is the issue - clause 1 or 2?
  + Emmanuel: reduce details
* Gilles presents version from Xiaomi

**Decision:**

* **Revision Xiaomi is agreed.**

**S4-220648** is **revised to S4-220851.**

| [S4-220851](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220851.zip) | Real-time delivery of V3C media | Nokia Corporation | Saba Ahsan |
| --- | --- | --- | --- |

**S4-220851** is **agreed.**

| [S4-220651](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220651.zip) | [MeCAR] The EDGAR device architecture | Tencent Cloud | Iraj Sodagar |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [[MeCAR, 651, Block B, 18th May 0600CEST] The EDGAR device architecture](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;c620e4f6.2205C&S=) | teniou(TeniouGilles) | Sun, 15 May 2022 22:54:13 +0000 |
| --- | --- | --- |
| [[MeCAR, 651, Block B, 18th May 0600CEST] The EDGAR device architecture](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;6030fd09.2205C&S=) | Sungryeul Rhyu | Mon, 16 May 2022 09:55:08 +0900 |
| [[MeCAR, 651, Block B, 18th May 0600CEST] The EDGAR device architecture](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;309d4dae.2205C&S=) | Sungryeul Rhyu | Mon, 16 May 2022 10:11:51 +0900 |
| [[MeCAR, 651, Block B, 18th May 0600CEST] The EDGAR device architecture](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;50f133e8.2205C&S=) | Iraj Sodagar | Mon, 16 May 2022 04:03:39 +0000 |
| [[MeCAR, 651, Block B, 18th May 0600CEST] The EDGAR device architecture](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;2d90efe3.2205C&S=) | Emmanuel Thomas | Mon, 16 May 2022 05:43:02 +0000 |
| [[MeCAR, 651, Block B, 18th May 0600CEST] The EDGAR device architecture](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;3ebdfc3a.2205C&S=) | Iraj Sodagar | Mon, 16 May 2022 06:04:40 +0000 |
| [[MeCAR, 651, Block B, 18th May 0600CEST] The EDGAR device architecture](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;3ff119c4.2205C&S=) | Emmanuel Thomas | Mon, 16 May 2022 13:39:40 +0000 |
| [[MeCAR, 651, Block B, 18th May 0600CEST] The EDGAR device architecture](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;41bb54d7.2205C&S=) | Iraj Sodagar | Mon, 16 May 2022 21:01:26 +0000 |
| [[MeCAR, 651, Block B, 18th May 0600CEST] The EDGAR device architecture](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;d14ff0ba.2205C&S=) | Thomas Stockhammer | Mon, 16 May 2022 21:12:19 +0000 |
| [[MeCAR, 651, Block B, 18th May 0600CEST] The EDGAR device architecture](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;e6137d2d.2205C&S=) | Iraj Sodagar | Mon, 16 May 2022 21:27:13 +0000 |

**Revisions:**

| [S4-220651-MeCar-EDGARArch\_samsung.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_119-e/Inbox/Drafts/Video/S4-220651-MeCar-EDGARArch_samsung.docx) | 5/16/2022 0:52 |
| --- | --- |

**Decision:**

* **Architecture is merged into S4-220850**

**S4-220651** is **merged to S4-220850.**

| [S4-220672](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220672.zip) | [MeCAR] On split rendering media format | Samsung Electronics GmbH | Sungryeul Rhyu |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [[MeCAR, 672, Block B, 18th May 0600CEST] On split rendering media format](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;ad8c3ff3.2205C&S=) | teniou(TeniouGilles) | Sun, 15 May 2022 22:54:38 +0000 |
| --- | --- | --- |
| [[MeCAR, 672, Block B, 18th May 0600CEST] On split rendering media format](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;821dd8ea.2205C&S=) | Iraj Sodagar | Sun, 15 May 2022 23:49:49 +0000 |
| [[MeCAR, 672, Block B, 18th May 0600CEST] On split rendering media format](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;86e9a712.2205C&S=) | Sungryeul Rhyu | Mon, 16 May 2022 09:08:37 +0900 |
| [[MeCAR, 672, Block B, 18th May 0600CEST] On split rendering media format](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;a060bae7.2205C&S=) | Sungryeul Rhyu | Mon, 16 May 2022 09:16:39 +0900 |
| [[MeCAR, 672, Block B, 18th May 0600CEST] On split rendering media format](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;d6216bdd.2205C&S=) | Huan-yu Su | Sun, 15 May 2022 17:04:45 -0800 |
| [[MeCAR, 672, Block B, 18th May 0600CEST] On split rendering media format](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;4cbe0a32.2205C&S=) | Sungryeul Rhyu | Mon, 16 May 2022 14:28:46 +0900 |
| [[MeCAR, 672, Block B, 18th May 0600CEST] On split rendering media format](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;3c82947f.2205C&S=) | Emmanuel Thomas | Mon, 16 May 2022 06:03:47 +0000 |
| [[MeCAR, 672, Block B, 18th May 0600CEST] On split rendering media format](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;41af3785.2205C&S=) | Sungryeul Rhyu | Mon, 16 May 2022 15:17:06 +0900 |
| [[MeCAR, 672, Block B, 18th May 0600CEST] On split rendering media format](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;e7ac9431.2205C&S=) | Emmanuel Thomas | Mon, 16 May 2022 13:53:10 +0000 |
| [[MeCAR, 672, Block B, 18th May 0600CEST] On split rendering media format](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;6d5fd5f2.2205C&S=) | Sungryeul Rhyu | Tue, 17 May 2022 09:58:30 +0900 |
| [[MeCAR, 672, Block B, 18th May 0600CEST] On split rendering media format](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;3b84cba9.2205C&S=) | Ali El Essaili | Tue, 17 May 2022 12:41:49 +0000 |
| [[MeCAR, 672, Block B, 18th May 0600CEST] On split rendering media format](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;406469e3.2205C&S=) | Ahsan, Saba (Nokia - FI/Espoo) | Tue, 17 May 2022 13:01:02 +0000 |
| [[MeCAR, 672, Block B, 18th May 0600CEST] On split rendering media format](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;ca1f6e0e.2205C&S=) | Thomas Stockhammer | Tue, 17 May 2022 15:06:29 +0000 |
| [[MeCAR, 672, Block B, 18th May 0600CEST] On split rendering media format](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;d778e29f.2205C&S=) | Sungryeul Rhyu | Wed, 18 May 2022 09:24:48 +0900 |
| [[MeCAR, 672, Block B, 18th May 0600CEST] On split rendering media format](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;12556bd6.2205C&S=) | Sungryeul Rhyu | Wed, 18 May 2022 09:37:15 +0900 |
| [[MeCAR, 672, Block B, 18th May 0600CEST] On split rendering media format](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;2a4b656e.2205C&S=) | Sungryeul Rhyu | Wed, 18 May 2022 09:42:00 +0900 |
| [[MeCAR, 672, Block B, 18th May 0600CEST] On split rendering media format](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;f31e2d0a.2205C&S=) | Thomas Stockhammer | Wed, 18 May 2022 01:46:43 +0000 |
| [[MeCAR, 672, Block B, 18th May 0600CEST] On split rendering media format](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;2e5e633f.2205C&S=) | Sungryeul Rhyu | Wed, 18 May 2022 11:25:06 +0900 |
| [[MeCAR, 672, Block B, 18th May 0600CEST] On split rendering media format](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;d83e16d5.2205C&S=) | Thomas Stockhammer | Wed, 18 May 2022 02:34:52 +0000 |
| [[MeCAR, 672, Block B, 18th May 0600CEST] On split rendering media format](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;aca3d158.2205C&S=) | Emmanuel Thomas | Wed, 18 May 2022 04:26:51 +0000 |

**Revisions:**

| [S4-220672 On split rendering media format\_rev1.doc](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_119-e/Inbox/Drafts/Video/S4-220672%20On%20split%20rendering%20media%20format_rev1.doc) | 5/16/2022 5:27 |
| --- | --- |
| [S4-220672 On split rendering media format\_rev2.doc](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_119-e/Inbox/Drafts/Video/S4-220672%20On%20split%20rendering%20media%20format_rev2.doc) | 5/18/2022 0:23 |
| [S4-220672 On split rendering media format\_rev3.doc](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_119-e/Inbox/Drafts/Video/S4-220672%20On%20split%20rendering%20media%20format_rev3.doc) | 5/18/2022 4:24 |

**Online Discussion:**

* R3 is available
* SR summarizes the discussion
* Saba: still unsure how scene description is described to be used
  + SR: not enough time for call flow. Frequency of data from server to device.
  + Saba: Still unclear what this would mean - more details needed.
  + SR: explains details how this can be sent
* Thomas: there seems to be a principle disconnect of what is done here. We agreed to make it application independent. If this collects requirements, ok, but not defining media format

**Decision:**

* **Based on the discussion an update is expected for a future meeting**

**S4-220672** is **noted.**

| [S4-220673](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220673.zip) | [MeCAR] On split rendering information | Samsung Electronics GmbH | Sungryeul Rhyu |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [[MeCAR, 673, Block B, 18th May 0600CEST] On split rendering information](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;8b308f3f.2205C&S=) | teniou(TeniouGilles) | Sun, 15 May 2022 22:54:47 +0000 |
| --- | --- | --- |
| [[MeCAR, 673, Block B, 18th May 0600CEST] On split rendering information](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;d5360e84.2205C&S=) | Emmanuel Thomas | Mon, 16 May 2022 05:26:22 +0000 |
| [[MeCAR, 673, Block B, 18th May 0600CEST] On split rendering information](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;727598b8.2205C&S=) | Sungryeul Rhyu | Mon, 16 May 2022 14:56:48 +0900 |
| [[MeCAR, 673, Block B, 18th May 0600CEST] On split rendering information](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;edb6c684.2205C&S=) | Emmanuel Thomas | Mon, 16 May 2022 13:29:21 +0000 |
| [[MeCAR, 673, Block B, 18th May 0600CEST] On split rendering information](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;a18ecdde.2205C&S=) | Sungryeul Rhyu | Tue, 17 May 2022 10:42:33 +0900 |

**Revisions:**

| [S4-220673 On split rendering information rXiaomi.doc](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_119-e/Inbox/Drafts/Video/S4-220673%20On%20split%20rendering%20information%20rXiaomi.doc) | 5/16/2022 13:27 |
| --- | --- |

**Online Discussion:**

* Emmanuel shows his proposed updates.
  + Thomas: supports this approach
* Saba: makes sense
* Iraj: where does it go in PD?

**Decision:**

* **Xiaomi revision agreed to PD**

**S4-220673** is **revised to S4-220761.**

| [S4-220761](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220761.zip) | [MeCAR] On split rendering information | Samsung Electronics GmbH | Sungryeul Rhyu |
| --- | --- | --- | --- |

**S4-220761** is **agreed.**

| [S4-220674](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220674.zip) | [MeCAR] On MeCAR architecture | Samsung Electronics GmbH | Sungryeul Rhyu |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [[MeCAR, 674, Block B, 18th May 0600CEST] On MeCAR architecture](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;421e7c07.2205C&S=) | teniou(TeniouGilles) | Sun, 15 May 2022 22:55:40 +0000 |
| --- | --- | --- |
| [[MeCAR, 674, Block B, 18th May 0600CEST] On MeCAR architecture](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;a85d872a.2205C&S=) | Iraj Sodagar | Mon, 16 May 2022 04:02:17 +0000 |
| [[MeCAR, 674, Block B, 18th May 0600CEST] On MeCAR architecture](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;7281a70e.2205C&S=) | Sungryeul Rhyu | Mon, 16 May 2022 13:44:48 +0900 |
| [[MeCAR, 674, Block B, 18th May 0600CEST] On MeCAR architecture](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;fa5e5513.2205C&S=) | Iraj Sodagar | Mon, 16 May 2022 05:23:39 +0000 |
| [[MeCAR, 674, Block B, 18th May 0600CEST] On MeCAR architecture](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;689f26d2.2205C&S=) | Sungryeul Rhyu | Mon, 16 May 2022 14:35:01 +0900 |
| [[MeCAR, 674, Block B, 18th May 0600CEST] On MeCAR architecture](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;56c37e0.2205C&S=) | Emmanuel Thomas | Mon, 16 May 2022 05:51:29 +0000 |
| [[MeCAR, 674, Block B, 18th May 0600CEST] On MeCAR architecture](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;57ae7b2a.2205C&S=) | Sungryeul Rhyu | Mon, 16 May 2022 15:41:13 +0900 |
| [[MeCAR, 674, Block B, 18th May 0600CEST] On MeCAR architecture](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;24dfbc52.2205C&S=) | Emmanuel Thomas | Mon, 16 May 2022 07:45:20 +0000 |
| [[MeCAR, 674, Block B, 18th May 0600CEST] On MeCAR architecture](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;2749e33.2205C&S=) | Sungryeul Rhyu | Tue, 17 May 2022 10:44:19 +0900 |

**Revisions:**

| [S4-220674 On MeCAR architecture\_rev1.doc](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_119-e/Inbox/Drafts/Video/S4-220674%20On%20MeCAR%20architecture_rev1.doc) | 5/16/2022 4:42 |
| --- | --- |
| [S4-220674 On MeCAR architecture\_rev1\_Tencent.doc](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_119-e/Inbox/Drafts/Video/S4-220674%20On%20MeCAR%20architecture_rev1_Tencent.doc) | 5/16/2022 5:19 |
| [S4-220674 On MeCAR architecture\_rev1-Tencent.doc](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_119-e/Inbox/Drafts/Video/S4-220674%20On%20MeCAR%20architecture_rev1-Tencent.doc) | 5/17/2022 3:00 |
| [S4-220674 On MeCAR architecture\_rev2.doc](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_119-e/Inbox/Drafts/Video/S4-220674%20On%20MeCAR%20architecture_rev2.doc) | 5/17/2022 1:36 |

**Decision:**

* **Architecture is merged into S4-220850**

**S4-220674** is **merged to S4-220850.**

| S4-220735 | [MeCAR] Clarification on the AR glasses device type | InterDigital France R&D, SAS | Serge Defrance |
| --- | --- | --- | --- |

**S4-220735** is **withdrawn.**

| [S4-220736](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220736.zip) | [MeCAR] Clarification on the AR glasses device type | InterDigital Communications | Ahmed Hamza |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [[MeCAR, 736, Block B, 18th May 0600CEST] Clarification on the AR glasses device type](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;7283a29f.2205C&S=) | teniou(TeniouGilles) | Sun, 15 May 2022 22:54:59 +0000 |
| --- | --- | --- |
| [[MeCAR, 736, Block B, 18th May 0600CEST] Clarification on the AR glasses device type](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;e502668c.2205C&S=) | Emmanuel Thomas | Mon, 16 May 2022 05:30:23 +0000 |
| [[MeCAR, 736, Block B, 18th May 0600CEST] Clarification on the AR glasses device type](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;ed8b94e0.2205C&S=) | Serge Defrance | Mon, 16 May 2022 06:37:51 +0000 |
| [[MeCAR, 736, Block B, 18th May 0600CEST] Clarification on the AR glasses device type](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;d47fe5e4.2205C&S=) | Emmanuel Thomas | Mon, 16 May 2022 07:25:37 +0000 |
| [[MeCAR, 736, Block B, 18th May 0600CEST] Clarification on the AR glasses device type](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;33398155.2205C&S=) | Thomas Stockhammer | Tue, 17 May 2022 19:54:26 +0000 |

**Revisions:**

**Online Discussion:**

**Decision:**

* **Clause 3 will be added to Permanent document**

**S4-220736** is **agreed.**

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

WID: [SP-210378](https://www.3gpp.org/ftp/tsg_sa/TSG_SA/TSGs_92E_Electronic_2021_06/Docs/SP-210378.zip) Feasibility Study on 5G Video Codec Characteristics (FS\_5GVideo)

| [S4-220604](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220604.zip) | TR26.955: Proposed Editor's Update | Qualcomm Incorporated | Thomas Stockhammer |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [[FS\_5GVideo, 604, Block A, 12th May 0600CEST] Proposed Editor's Update](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;8e25813e.2205B&S=) | teniou(TeniouGilles) | Tue, 10 May 2022 23:06:42 +0000 |
| --- | --- | --- |
| [[FS\_5GVideo, 604, Block A, 12th May 0600CEST] Proposed Editor's Update](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;57e5a63c.2205B&S=) | Lukasz Litwic | Wed, 11 May 2022 08:48:50 +0000 |
| [[FS\_5GVideo, 604, Block A, 12th May 0600CEST] Proposed Editor's Update](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;3dbc8e01.2205B&S=) | Thomas Stockhammer | Wed, 11 May 2022 08:50:24 +0000 |
| [[FS\_5GVideo, 604, Block A, 12th May 0600CEST] Proposed Editor's Update](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;5422b550.2205B&S=) | Lukasz Litwic | Wed, 11 May 2022 08:54:00 +0000 |
| [[FS\_5GVideo, 604, Block A, 12th May 0600CEST] Proposed Editor's Update](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;4e0dba7.2205B&S=) | Dmytro Rusanovskyy | Wed, 11 May 2022 20:26:19 +0000 |
| [[FS\_5GVideo, 604, Block A, 12th May 0600CEST] Proposed Editor's Update](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;5c4c062e.2205B&S=) | Thomas Stockhammer | Wed, 11 May 2022 20:28:54 +0000 |

**Revisions:**

none

**Online Discussion:**

* Gilles summarizes the discussion
  + Change to single decimal digit
  + Remove the results from the tables
  + Change intra to RAP

**Decision:**

* Agreed with the comments above

**S4-220604** is **agreed.**

| [S4-220750](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220750.zip) | Draft TR 26.955 v.1.7.0 (+cover sheet v2.0.0) | Qualcomm Incorporated | Thomas Stockhammer |
| --- | --- | --- | --- |

**S4-220750** is **presented to SA4 plenary.**

| [S4-220605](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220605.zip) | [FS\_5G\_Video] Status before SA4#119e | Qualcomm Incorporated | Thomas Stockhammer |
| --- | --- | --- | --- |

**E-mail Discussion:**

Not triggered

**Revisions:**

**Online Discussion:**

* Thomas presents
* No comments

**Decision:**

* **agreed.**

**S4-220605** is **agreed.**

| [S4-220606](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220606.zip) | [FS\_5G\_Video] EFS Bitrates | Qualcomm Incorporated | Thomas Stockhammer |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [[FS\_5GVideo, 606, Block A, 12th May 0600CEST] EFS bitrates](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;2d656d63.2205B&S=) | teniou(TeniouGilles) | Tue, 10 May 2022 23:07:00 +0000 |
| --- | --- | --- |

**Revisions:**

**Online Discussion:**

* No comments
* Thomas: please let’s make sure that the SEI message removal is consistently done for all codecs. Bitrates are part of the message package.

**Decision:**

**S4-220606** is **agreed.**

| [S4-220607](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220607.zip) | [FS\_5G\_Video] Verification Updates | Qualcomm Incorporated | Thomas Stockhammer |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [[FS\_5GVideo, 607, Block A, 12th May 0600CEST] Verification updates](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;215a07f9.2205B&S=) | teniou(TeniouGilles) | Tue, 10 May 2022 23:07:10 +0000 |
| --- | --- | --- |
| [[FS\_5GVideo, 607, Block A, 12th May 0600CEST] Verification updates](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;7c2aba96.2205B&S=) | Dmytro Rusanovskyy | Wed, 11 May 2022 21:55:59 +0000 |
| [[FS\_5GVideo, 607, Block A, 12th May 0600CEST] Verification updates](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;cc18b94.2205B&S=) | Thomas Stockhammer | Thu, 12 May 2022 05:22:42 +0000 |

| [[FS\_5GVideo, 607, Block A, 12th May 0600CEST] Verification updates](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;729af76.2205C&S=) | Dmytro Rusanovskyy | Tue, 17 May 2022 03:54:50 +0000 |
| --- | --- | --- |
| [[FS\_5GVideo, 607, Block A, 12th May 0600CEST] Verification updates](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;26543591.2205C&S=) | Thomas Stockhammer | Wed, 18 May 2022 03:25:12 +0000 |
| [[FS\_5GVideo, 607, Block A, 12th May 0600CEST] Verification updates => 756 available](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;4e2654bd.2205C&S=) | Thomas Stockhammer | Wed, 18 May 2022 18:00:17 +0000 |

**Revisions:**

| [S4-220607r02-26.955-Verification.zip](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_119-e/Inbox/Drafts/Video/S4-220607r02-26.955-Verification.zip) | 5/18/2022 3:23 |
| --- | --- |
| [S4-220607-r1.zip](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_119-e/Inbox/Drafts/Video/S4-220607-r1.zip) | 5/17/2022 3:51 |

**Online Discussion:**

* Gilles summarizes the discussion
* Dmytro: should be combined with BD-Rate condition
  + Thomas: do not combine with BD-Rate condition
* Alexis: the importance is to verify the bitstream are the same. What is the source of the difference? Taking it into account is important
* Dmytro: We should check the source of the issue.
  + Lukasz: we can the source of the issues
* Thomas: It may be good to just check that the metrics are correct from HDRTools.
  + Alexis: yes this is correct - would encourage to rerun the results through HDRTools
  + Lukasz will check this.
* Lukasz: In the process of checking. One issue is fractional frame rate
  + Rajan: We could use the integer frame rate for metrics calculation
  + Thomas: We will check this
  + Lukasz will check on the other issue
* R02 is presented implementing the offline discussion
  + Update 0.05 to 0.01.
  + We only need to be careful to merge.

**Decision:**

* **R02 is agreed with update of 0.05 to 0.01 - merge needs to be careful**

**S4-220607** is **revised to S4-220756**

| [S4-220756](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220756.zip) | [FS\_5G\_Video] Verification Updates | Qualcomm Incorporated | Thomas Stockhammer |
| --- | --- | --- | --- |

**S4-220756** is **agreed.**

| [S4-220608](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220608.zip) | [FS\_5G\_Video] Characterization Updates | Qualcomm Incorporated | Thomas Stockhammer |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [[FS\_5GVideo, 608, Block A, 12th May 0600CEST] Characterization updates](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;1aace293.2205B&S=) | teniou(TeniouGilles) | Tue, 10 May 2022 23:07:27 +0000 |
| --- | --- | --- |
| [[FS\_5GVideo, 608, Block A, 12th May 0600CEST] Characterization updates](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;2a5455d0.2205B&S=) | Lukasz Litwic | Wed, 11 May 2022 09:11:12 +0000 |
| [[FS\_5GVideo, 608, Block A, 12th May 0600CEST] Characterization updates](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;43aaf858.2205B&S=) | Thomas Stockhammer | Wed, 11 May 2022 09:14:02 +0000 |
| [[FS\_5GVideo, 608, Block A, 12th May 0600CEST] Characterization updates](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;f2ecc9c.2205B&S=) | Dmytro Rusanovskyy | Wed, 11 May 2022 22:35:07 +0000 |
| [[FS\_5GVideo, 608, Block A, 12th May 0600CEST] Characterization updates](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;52cc60c5.2205B&S=) | Dmytro Rusanovskyy | Thu, 12 May 2022 00:01:03 +0000 |
| [[FS\_5GVideo, 608, Block A, 12th May 0600CEST] Characterization updates](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;d465c3c4.2205B&S=) | Thomas Stockhammer | Thu, 12 May 2022 04:46:36 +0000 |
| [[FS\_5GVideo, 608, Block A, 12th May 0600CEST] Characterization updates](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;f8869c63.2205B&S=) | Dmytro Rusanovskyy | Thu, 12 May 2022 06:01:21 +0000 |
| [[FS\_5GVideo, 608, Block A, 12th May 0600CEST] Characterization updates](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;b0b24759.2205B&S=) | Thomas Stockhammer | Thu, 12 May 2022 06:08:41 +0000 |

**Revisions:**

| [S4-220683-26.955-JM-Verification-r1.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_119-e/Inbox/Drafts/Video/S4-220683-26.955-JM-Verification-r1.docx) | 5/19/2022 6:18 |
| --- | --- |

**Online Discussion:**

* Gilles summarizes the discussion
* Thomas: explains what has been done
* Dmytro:
  + 0.05 issue is still open
  + AVC results should be cross-checked independently
* Thomas:
  + On the 0.05, this is the previous document. Not sure how it relates to this one.
  + On AVC, not sure what can be done. It is in document 683.
* Dmytro:
  + We should remove AVC verification status (the sentence above the table and status in table in different document 607/683)
* Rajan:
  + Can run AVC crosschecks possibly by next adhoc call.
  + Alexis: we will also support AVC cross checks
* Thomas: these are just template formulations to complete the work.
  + Gilles. Suggests that we add square brackets around the two sentences above table 6.4.9.1-1

**Decision:**

* **We will add square brackets to AVC verification status**
* **We also have 0.05 issue that spilled over 607.**
* **Agreed with the conditions above**

**S4-220608** is **agreed.**

| [S4-220609](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220609.zip) | [FS\_5G\_Video] Further Characterization Updates and Cleaning | Qualcomm Incorporated | Thomas Stockhammer |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [[FS\_5GVideo, 609, Block A, 12th May 0600CEST] Further Characterization Updates and Cleaning](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;b98a751f.2205B&S=) | teniou(TeniouGilles) | Tue, 10 May 2022 23:08:07 +0000 |
| --- | --- | --- |

**Revisions:**

**Online Discussion:**

**Decision:**

* **agreed, but the comments from 607 and 608 carry forward.**

**S4-220609** is **agreed.**

| [S4-220610](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220610.zip) | [FS\_5G\_Video] Initial Conclusions | Qualcomm Incorporated | Thomas Stockhammer |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [[FS\_5GVideo, 610, Block A, 12th May 0600CEST] Initial conclusions](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;65586888.2205B&S=) | teniou(TeniouGilles) | Tue, 10 May 2022 23:08:16 +0000 |
| --- | --- | --- |
| [[FS\_5GVideo, 610, Block A, 12th May 0600CEST] Initial conclusions](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;d833bfb7.2205B&S=) | Thomas Stockhammer | Wed, 11 May 2022 04:33:04 +0000 |
| [[FS\_5GVideo, 610, Block A, 12th May 0600CEST] Initial conclusions](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;4b53e523.2205B&S=) | Gaëlle Martin-Cocher | Wed, 11 May 2022 07:01:43 +0000 |
| [[FS\_5GVideo, 610, Block A, 12th May 0600CEST] Initial conclusions](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;666329d3.2205B&S=) | Thomas Stockhammer | Wed, 11 May 2022 07:12:54 +0000 |
| [[FS\_5GVideo, 610, Block A, 12th May 0600CEST] Initial conclusions](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;95e59d09.2205B&S=) | Gaëlle Martin-Cocher | Wed, 11 May 2022 18:45:53 +0000 |
| [[FS\_5GVideo, 610, Block A, 12th May 0600CEST] Initial conclusions](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;a5fc4cbb.2205B&S=) | Thomas Stockhammer | Wed, 11 May 2022 19:13:18 +0000 |
| [[FS\_5GVideo, 610, Block A, 12th May 0600CEST] Initial conclusions](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;435edab1.2205B&S=) | Thomas Stockhammer | Thu, 12 May 2022 05:51:14 +0000 |

| [[FS\_5GVideo, 610, Block A, 12th May 0600CEST] Initial conclusions => 749 is available](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;a07b70bd.2205C&S=) | Thomas Stockhammer | Wed, 18 May 2022 18:09:57 +0000 |
| --- | --- | --- |

**Revisions:**

| [S4-220610-26.955-Conclusions-gmc.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_119-e/Inbox/Drafts/Video/S4-220610-26.955-Conclusions-gmc.docx) | 5/13/2022 16:04 |
| --- | --- |
| [S4-220610r01-26.955-Conclusions.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_119-e/Inbox/Drafts/Video/S4-220610r01-26.955-Conclusions.docx) | 5/12/2022 5:48 |
| [S4-220610r01-26.955-Conclusions.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_119-e/Inbox/Drafts/Video/S4-220610r01-26.955-Conclusions.docx) | 5/12/2022 5:48 |

**Online Discussion:**

* Thomas presents
* Gilles: clear summary
* Rajan: for new codecs, we may be further than initial information
  + Thomas: understand. This is the pre-meeting status. It is also safe.
  + Gilles: kind of agree with Rajan
  + Gaelle: Safe for now - let’s keep.
* Madhukar: Can we tone down negativity.
  + Thomas: I formulated this based on offline comments that I received. I did not wanna offend anyone by saying it is good.
  + Gilles: turn it into optimization opportunities
  + Rajan proposes: "has some limitations" instead of "clearly has deficiencies"?
  + Agreed

**Decision:**

* **Rev 1 agreed, we revisit the term “initial” and updates above**

**S4-220610** is **revised to S4-220749.**

| [S4-220749](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220749.zip) | [FS\_5G\_Video] Initial Conclusions | Qualcomm Incorporated | Thomas Stockhammer |
| --- | --- | --- | --- |

**S4-220749** is **agreed.**

| [S4-220611](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220611.zip) | [FS\_5G\_Video] Time Plan Considerations | Qualcomm Incorporated | Thomas Stockhammer |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [[FS\_5GVideo, 611, Block A, 12th May 0600CEST] Time plan considerations](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;334d68a2.2205B&S=) | teniou(TeniouGilles) | Tue, 10 May 2022 23:08:24 +0000 |
| --- | --- | --- |
| [[FS\_5GVideo, 611, Block A, 12th May 0600CEST] Time plan considerations](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;441adb8d.2205B&S=) | Gaëlle Martin-Cocher | Wed, 11 May 2022 14:54:56 +0000 |
| [[FS\_5GVideo, 611, Block A, 12th May 0600CEST] Time plan considerations](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;8fc539da.2205B&S=) | Thomas Stockhammer | Wed, 11 May 2022 14:59:22 +0000 |
| [[FS\_5GVideo, 611, Block A, 12th May 0600CEST] Time plan considerations](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;9e65b65d.2205B&S=) | Gaëlle Martin-Cocher | Wed, 11 May 2022 15:14:46 +0000 |
| [[FS\_5GVideo, 611, Block A, 12th May 0600CEST] Time plan considerations](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;767015d3.2205B&S=) | Thomas Stockhammer | Wed, 11 May 2022 15:42:09 +0000 |

| [[FS\_5GVideo, 611, Block A, 12th May 0600CEST] Time plan considerations](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;9bcc0860.2205C&S=) | Thomas Stockhammer | Wed, 18 May 2022 20:18:56 +0000 |
| --- | --- | --- |

**Revisions:**

| [S4-220611r01-Time-Plan-Considerations.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_119-e/Inbox/Drafts/Video/S4-220611r01-Time-Plan-Considerations.docx) | 5/18/2022 20:17 |
| --- | --- |

**Online Discussion:**

* Thomas presents
* Fabrice: Wednesday on purpose?
  + Thomas: yes
* Thomas presents r01
  + Agreement from offline

**Decision:**

* **Telco as a backup agreed**
* **Status agreed in clause 3 is agreed**
* **Clause 4 is parked**
* **R01 is agreed**

**S4-220611** is **revised to S4-220859.**

| [S4-220611](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220611.zip) | [FS\_5G\_Video] Time Plan Considerations | Qualcomm Incorporated | Thomas Stockhammer |
| --- | --- | --- | --- |

**S4-220859** is **agreed and will be presented to SA4 plenary.**

| [S4-220763](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220763.zip) | [FS\_5G\_Video] Work Plan | Qualcomm Incorporated (Rapporteur) | Thomas Stockhammer |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [5G Video Timeplan](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;2da55b84.2205C&S=) | Thomas Stockhammer | Wed, 18 May 2022 18:27:39 +0000 |
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**Online Discussion:**

* Thomas presents
* No comments

**Decision:**

* **agreed**

**S4-220763** is **agreed.**

| [S4-220683](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220683.zip) | [FS\_5GVideo] JM Verification | Qualcomm France | Thomas Stockhammer |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [[FS\_5GVideo, 683, Block A, 12th May 0600CEST] JM Verification](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;e3d5d057.2205B&S=) | teniou(TeniouGilles) | Tue, 10 May 2022 23:08:30 +0000 |
| --- | --- | --- |

| [[FS\_5GVideo, 683, Block A, 12th May 0600CEST] JM Verification](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;112deb3c.2205C&S=) | Rajan Laxman Joshi | Thu, 19 May 2022 06:23:29 +0000 |
| --- | --- | --- |

**Revisions:**

**Online Discussion:**

* Gilles summarizes.
* JM Verification still needs to be done by other companies. Samsung and Apple volunteered to help.
* Still ongoing
* R01 is presented by Rajan
  + See offline discussion
  + We will fix it

**Decision:**

* **Parked**

**S4-220683** is **revised to .**

| [S4-220722](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220722.zip) | [FS\_5GVideo] Proposed editorial changes to the TR text | Ericsson LM, Fraunhofer HHI, InterDigital and Qualcomm Inc. | Dmytro Rusanovskyy |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [[FS\_5GVideo, 722, Block A, 12th May 0600CEST] Proposed editorial changes to the TR text](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;f6b514dc.2205B&S=) | teniou(TeniouGilles) | Tue, 10 May 2022 23:08:36 +0000 |
| --- | --- | --- |
| [[FS\_5GVideo, 722, Block A, 12th May 0600CEST] Proposed editorial changes to the TR text](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;33406d3e.2205B&S=) | Thomas Stockhammer | Wed, 11 May 2022 04:45:44 +0000 |
| [[FS\_5GVideo, 722, Block A, 12th May 0600CEST] Proposed editorial changes to the TR text](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;8a569bff.2205B&S=) | teniou(TeniouGilles) | Wed, 11 May 2022 19:22:14 +0000 |
| [[FS\_5GVideo, 722, Block A, 12th May 0600CEST] Proposed editorial changes to the TR text](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;db5d611d.2205B&S=) | Lukasz Litwic | Wed, 11 May 2022 21:11:07 +0000 |
| [[FS\_5GVideo, 722, Block A, 12th May 0600CEST] Proposed editorial changes to the TR text](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;c5d6f641.2205B&S=) | Dmytro Rusanovskyy | Thu, 12 May 2022 00:23:23 +0000 |
| [[FS\_5GVideo, 722, Block A, 12th May 0600CEST] Proposed editorial changes to the TR text](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;17d46d99.2205B&S=) | Thomas Stockhammer | Thu, 12 May 2022 04:58:44 +0000 |

| [[FS\_5GVideo, 722, Block A, 12th May 0600CEST] Proposed editorial changes to the TR text](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;53f6fe60.2205B&S=) | Dmytro Rusanovskyy | Thu, 12 May 2022 06:33:41 +0000 |
| --- | --- | --- |
| [[FS\_5GVideo, 722, Block A, 12th May 0600CEST] Proposed editorial changes to the TR text](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;d1e87532.2205C&S=) | Dmytro Rusanovskyy | Sun, 15 May 2022 23:55:06 +0000 |

**Revisions:**

* https://www.3gpp.org/ftp/tsg\_sa/WG4\_CODEC/TSGS4\_119-e/Inbox/Drafts/Video/S4-220722-r1.zip

**Online Discussion:**

* Gilles summarizes the discussion
* Dmytro provides a summary on change 3
* Thomas: proposes that we make a generic statement for the issue and create a procedure on what is a valid presentation and what is not
* Alexis: We should clarify what exactly we want to achieve in terms of overlap? Are we integrating very different range of quality metrics. Than this would be inaccurate. This should be documented.
  + Dmytro: for certain codecs, PSNR range is not well overlapping
  + Alexis: we should point to the curves for overlap
  + Dmytro: propose to not list the numbers for the performance curves
  + Alexis: makes sense to do this
  + Gaelle: How the discussion is evolved it ok for me, would not be ok with selecting only a few results and have them reported. Would send the wrong message
  + Lukasz: Overlap - HM and JM are acceptable.
* Thomas: I would like to make sure that we document the issue in the general clause the process on how and why we remove details.
* Gaelle: We propose to remove clauses 8.2.3, 8.3.3 and 8.4.3. Stick with this
* Alexis: Are there examples where the overlap is bad? Why do the overlap
  + Lukasz: We had been focussing with HM, JM came late. There should be an overlap
  + Thomas: all ok to remove, but document this information in the general part of the report on the guidance.
  + Dmytro: we can provide information that accuracy is not good enough and
  + Alexis: we should basically make sure that the overlap region is documented.
  + Gilles: can we create a criteria for pruning out data
* Gaelle: Can we agree to remove the results?
  + Gilles: we have no agreements yet
  + Gaelle: we will not agree on the TR if this stays.
  + Gilles: we need to move forward with a revision.
  + Gaelle: editor’s version has added this recently
  + Gilles: we can
* Dmytro presents r01
  + Rajan: is a reasonable way forward. Update JM can be done
  + Thomas: updates also provided in <https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_119-e/Inbox/Drafts/Video/S4-220xxx-26.955-Characterization.zip>
    - Lukasz: the correct formula is min-min and max-max
    - Thomas: ok will update
  + Ok we agree to add 3rd and 4th paragraph of change 3a.
  + In addition, we add a reference to a table that contains the exact numbers of the definitions
  + Gaelle: We insist that change 3b, 4 and 5 are agreed.
  + Thomas: Also AVC verification text?
  + Gilles: Let’s put in brackets
  + Thomas: preference would be some cleaning and consistent implementation.
  + Gaelle: no it must stay as is until verification is done. Agree text in change 3b, 4 and 5 as is.
  + Gilles: anyone objecting? No, so we agree on text as is.

**Decision:**

* **We create a revision for this document for change 3**
* **Change 1 and change 2 are already covered in 604 and are hence agreed.**
* **In the update r1, based on the above discussion we agree**
  + **3rd and 4th paragraph of change 3a.**
  + **We add a reference to a table that contains the exact numbers of the definitions**
  + **We agree change 3b, 4 and 5 and remove all information in bracketed text.**

**S4-220722** is **revised to S4-220752.**

| [S4-220752](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220752.zip) | [FS\_5GVideo] Proposed editorial changes to the TR text | Ericsson LM, Fraunhofer HHI, InterDigital and Qualcomm Inc. | Dmytro Rusanovskyy |
| --- | --- | --- | --- |

**S4-220722** is **agreed.**

| [S4-220723](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220723.zip) | [FS\_5GVideo] Verification of the EVC bitstreams | Samsung Electronics Co. Ltd., Qualcomm Inc. | Rajan Joshi |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [[FS\_5GVideo, 723, Block A, 12th May 0600CEST] Verification of the EVC bitstreams](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;b3d6c93c.2205B&S=) | teniou(TeniouGilles) | Tue, 10 May 2022 23:08:42 +0000 |
| --- | --- | --- |
| [[FS\_5GVideo, 723, Block A, 12th May 0600CEST] Verification of the EVC bitstreams](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;5cf42781.2205B&S=) | Dmytro Rusanovskyy | Wed, 11 May 2022 23:23:11 +0000 |

| [[FS\_5GVideo, 723, Block A, 12th May 0600CEST] Verification of the EVC bitstreams](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;4281c7e8.2205C&S=) | Dmytro Rusanovskyy | Tue, 17 May 2022 04:05:40 +0000 |
| --- | --- | --- |

**Revisions:**

| [S4-220723-r1.zip](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_119-e/Inbox/Drafts/Video/S4-220723-r1.zip) | 5/17/2022 4:04 |
| --- | --- |

**Online Discussion:**

* Revision expected
* Dmytro presents revision r01

**Decision:**

* **Agreed. We will mark bitstreams also being verified.**

**S4-220723** is **revised to S4-220757.**

| [S4-220757](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220757.zip) | [FS\_5GVideo] Verification of the EVC bitstreams | Samsung Electronics Co. Ltd., Qualcomm Inc. | Rajan Joshi |
| --- | --- | --- | --- |

**S4-220757** is **agreed.**

| [S4-220727](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220727.zip) | [FS\_5GVideo] Verification of the VVC results | Qualcomm Inc., Fraunhofer HHI, Ericsson LM, InterDigital | Dmytro Rusanovskyy |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [[FS\_5GVideo, 727, Block A, 12th May 0600CEST] Verification of the VVC results](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;7993f7e3.2205B&S=) | teniou(TeniouGilles) | Tue, 10 May 2022 23:08:49 +0000 |
| --- | --- | --- |
| [[FS\_5GVideo, 727, Block A, 12th May 0600CEST] Verification of the VVC results](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;e62abb47.2205B&S=) | Thomas Stockhammer | Wed, 11 May 2022 04:49:51 +0000 |
| [[FS\_5GVideo, 727, Block A, 12th May 0600CEST] Verification of the VVC results](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;38f025d9.2205B&S=) | Dmytro Rusanovskyy | Wed, 11 May 2022 23:54:26 +0000 |

| [[FS\_5GVideo, 727, Block A, 12th May 0600CEST] Verification of the VVC results](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;7031abe5.2205C&S=) | Dmytro Rusanovskyy | Sun, 15 May 2022 09:12:34 +0000 |
| --- | --- | --- |
| [[FS\_5GVideo, 727, Block A, 12th May 0600CEST] Verification of the VVC results](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;f2b95d89.2205C&S=) | Fabrice Plante | Sun, 15 May 2022 13:45:54 -0700 |
| [[FS\_5GVideo, 727, Block A, 12th May 0600CEST] Verification of the VVC results](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;413cfc44.2205C&S=) | Dmytro Rusanovskyy | Sun, 15 May 2022 23:57:01 +0000 |
| [[FS\_5GVideo, 727, Block A, 12th May 0600CEST] Verification of the VVC results](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;a7b68744.2205C&S=) | Dmytro Rusanovskyy | Mon, 16 May 2022 07:02:17 +0000 |

**Revisions:**

* https://www.3gpp.org/ftp/tsg\_sa/WG4\_CODEC/TSGS4\_119-e/Inbox/Drafts/Video/S4-220727-r1.zip

**Online Discussion:**

* Gilles summarizes the discussion
* A revision will be provided
* Dmytro presents revision r1

**Decision:**

* **R01 is agreed**

**S4-220727** is **revised to S4-220751.**

| [S4-220751](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220751.zip) | [FS\_5GVideo] Verification of the VVC results | Qualcomm Inc., Fraunhofer HHI, Ericsson LM, InterDigital | Dmytro Rusanovskyy |
| --- | --- | --- | --- |

**S4-220751** is **agreed.**

| [S4-220732](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220732.zip) | Update on AV1 Results | Google Inc. | John Simmons |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [[FS\_5GVideo, 732, Block A, 12th May 0600CEST] Update on AV1 Results](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;8de62f25.2205B&S=) | teniou(TeniouGilles) | Tue, 10 May 2022 23:08:56 +0000 |
| --- | --- | --- |

| [[FS\_5GVideo, 732, Block A, 12th May 0600CEST] Update on AV1 Results](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;d6331773.2205B&S=) | teniou(TeniouGilles) | Thu, 12 May 2022 15:47:49 +0000 |
| --- | --- | --- |
| [[FS\_5GVideo, 732, Block A, 12th May 0600CEST] Update on AV1 Results](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;6b212c18.2205B&S=) | Thomas Stockhammer | Thu, 12 May 2022 15:57:44 +0000 |

**Revisions:**

none

**Online Discussion:**

* none

**Decision:**

* **agreed**

**S4-220732** is **agreed.**

| [S4-220734](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220734.zip) | Reproducing AV1 test results | Google Inc. | John Simmons |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [[FS\_5GVideo, 734, Block A, 12th May 0600CEST] Reproducing AV1 test results](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;f96f477d.2205B&S=) | teniou(TeniouGilles) | Tue, 10 May 2022 23:09:00 +0000 |
| --- | --- | --- |
| [[FS\_5GVideo, 734, Block A, 12th May 0600CEST] Reproducing AV1 test results](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;f2672e0f.2205B&S=) | Thomas Stockhammer | Wed, 11 May 2022 05:02:21 +0000 |
| [[FS\_5GVideo, 734, Block A, 12th May 0600CEST] Reproducing AV1 test results](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;4465b5b4.2205B&S=) | John Simmons | Wed, 11 May 2022 08:16:11 -0700 |
| [[FS\_5GVideo, 734, Block A, 12th May 0600CEST] Reproducing AV1 test results](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;f3f3342a.2205B&S=) | Gaëlle Martin-Cocher | Wed, 11 May 2022 15:48:49 +0000 |
| [[FS\_5GVideo, 734, Block A, 12th May 0600CEST] Reproducing AV1 test results](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;8e05b5cc.2205B&S=) | Dmytro Rusanovskyy | Wed, 11 May 2022 23:42:38 +0000 |
| [[FS\_5GVideo, 734, Block A, 12th May 0600CEST] Reproducing AV1 test results - revised](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;ee881cc3.2205B&S=) | John Simmons | Wed, 11 May 2022 18:50:15 -0700 |

**Revisions:**

| [S4-220734 - Reproducing AV1 test results - rev1.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_119-e/Inbox/Drafts/Video/S4-220734%20-%20Reproducing%20AV1%20test%20results%20-%20rev1.docx) | 5/12/2022 1:38 |
| --- | --- |
| [S4-220734 - Reproducing AV1 test results - rev1.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_119-e/Inbox/Drafts/Video/S4-220734%20-%20Reproducing%20AV1%20test%20results%20-%20rev1.docx) | 5/12/2022 1:38 |

**Online Discussion:**

* John explains that this is more a procedure. No direct impact on TR. Expect that the correctly formatted files will be available by Tuesday.
* Dmytro:
  + This is all limited for QP 39. For other QP this may not be the case. Other cross checks may be done as well. Kindly release log file for encoder bitstreams.
* Adrian: All of the md5 match, but not the metrics, then we can isolate the issue. Ryan has uploaded all the files
  + Ryan: encoder and decoder log have been uploaded and shared with Dmytro
  + Dmytro: will double-check later, was not yet available
  + Adrian: there was a typo, please clone the correct branch.
* Alexis: prefer to work on bitstream and md5 - decoding and metrics are more important. Did you run the process? Only the first steps are needed
  + Dmytro: did not run decoding of FB/Google bitstreams. We want to replicate encoding result
  + Alexis: You may have mode decisions in floating point, you may get a different bitstreams. Is this really important? This was essential for standards development. Do you have to check bitstreams
  + Gilles: reproducibility is an important issue. So we should not downplay it. This should be target. If it does match, than we can document.
  + Alexis: Ideal solution - but we try to finish the TR.
  + Thomas: nothing to add, agree that there should be an attempt to do this.
* Adrian: Google AMD and FB Intel provided bit exact results.
* Dmytro: thanks for providing log files, see them available now. We are not hunting for bit exact reconstruction. Metrics and md5 will be run by editor. We are more interested to make sure that the configuration is correctly used. Document is very helpful.
* Gilles: Can the log files be shared wider
  + Thomas: I will download and re-upload
* John: Clarification of data submission format
  + Thomas will add TDOC number

**Decision:**

* **Agree, but fix typo**

**S4-220734** is **revised to S4-220746.**

| [S4-220746](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220746.zip) | Reproducing AV1 test results | Google Inc. | John Simmons |
| --- | --- | --- | --- |

**S4-220746** is **agreed.**

| [S4-220737](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220737.zip) | Updates to 26.955 - Scope and Reference | Tencent | Gilles Teniou |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [[FS\_5GVideo, 737, Block A, 12th May 0600CEST] Updates to 26.955 - Scope and Reference](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;ae6e94a9.2205B&S=) | teniou(TeniouGilles) | Tue, 10 May 2022 23:09:10 +0000 |
| --- | --- | --- |
| [[FS\_5GVideo, 737, Block A, 12th May 0600CEST] Updates to 26.955 - Scope and Reference](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;5920bf4a.2205B&S=) | Thomas Stockhammer | Wed, 11 May 2022 05:36:58 +0000 |
| [[FS\_5GVideo, 737, Block A, 12th May 0600CEST] Updates to 26.955 - Scope and Reference](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;addfb36d.2205B&S=) | teniou(TeniouGilles) | Wed, 11 May 2022 19:41:02 +0000 |
| [[FS\_5GVideo, 737, Block A, 12th May 0600CEST] Updates to 26.955 - Scope and Reference](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;df21de66.2205B&S=) | Lukasz Litwic | Wed, 11 May 2022 20:06:59 +0000 |

**Revisions:**

| [S4-220737-Updates to 26.955 - Scope and Reference\_QCOM.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_119-e/Inbox/Drafts/Video/S4-220737-Updates%20to%2026.955%20-%20Scope%20and%20Reference_QCOM.docx) | 5/11/2022 5:35 |
| --- | --- |
| [S4-220737-Updates to 26.955 - Scope and Reference\_QCOM.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_119-e/Inbox/Drafts/Video/S4-220737-Updates%20to%2026.955%20-%20Scope%20and%20Reference_QCOM.docx) | 5/11/2022 5:35 |
| [S4-220737-Updates to 26.955 - Scope and Reference\_QCOM\_ERIC.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_119-e/Inbox/Drafts/Video/S4-220737-Updates%20to%2026.955%20-%20Scope%20and%20Reference_QCOM_ERIC.docx) | 5/11/2022 20:03 |
| [S4-220737-Updates to 26.955 - Scope and Reference\_QCOM\_ERIC.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_119-e/Inbox/Drafts/Video/S4-220737-Updates%20to%2026.955%20-%20Scope%20and%20Reference_QCOM_ERIC.docx) | 5/11/2022 20:03 |

**Online Discussion:**

* Gilles summarizes the discussion
* Thomas: On the references, I am not sure we should update. Would prefer to keep for now
  + Gilles: ok we keep the version of the specs
* Fabrice: some online proposed updates done online.

**Decision:**

* **Agreed with changes above**
* **Gilles gets the airplanes - hopefully this flies**

**S4-220737** is **revised to S4-220747.**

| [S4-220747](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220747.zip) | Updates to 26.955 - Scope and Reference | Tencent | Gilles Teniou |
| --- | --- | --- | --- |

**S4-220737** is **agreed to S4-220747.**

| [S4-220738](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220738.zip) | Editorial Updates to 26.955 to Clause 4 and 5 | Tencent | Gilles Teniou |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [[FS\_5GVideo, 738, Block A, 12th May 0600CEST] Editorial Updates to 26.955 to Clause 4 and 5](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;206bf93a.2205B&S=) | teniou(TeniouGilles) | Tue, 10 May 2022 23:09:12 +0000 |
| --- | --- | --- |
| [[FS\_5GVideo, 738, Block A, 12th May 0600CEST] Editorial Updates to 26.955 to Clause 4 and 5](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;a24c4be9.2205B&S=) | Thomas Stockhammer | Wed, 11 May 2022 07:11:06 +0000 |
| [[FS\_5GVideo, 738, Block A, 12th May 0600CEST] Editorial Updates to 26.955 to Clause 4 and 5](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;e11a2ab.2205B&S=) | teniou(TeniouGilles) | Wed, 11 May 2022 19:49:09 +0000 |

**Revisions:**

| [S4-220738-Editorial Updates to 26.955 to Clause 4 and 5\_QCOM.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_119-e/Inbox/Drafts/Video/S4-220738-Editorial%20Updates%20to%2026.955%20to%20Clause%204%20and%205_QCOM.docx) | 5/11/2022 7:10 |
| --- | --- |
| [S4-220738-Editorial Updates to 26.955 to Clause 4 and 5\_QCOM.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_119-e/Inbox/Drafts/Video/S4-220738-Editorial%20Updates%20to%2026.955%20to%20Clause%204%20and%205_QCOM.docx) | 5/11/2022 7:10 |

**Online Discussion:**

* Gilles summarizes the discussion
* Agree to go with Rel-17

**Decision:**

* **Agreed with comments above**

**S4-220738** is **revised to S4-220748.**

| [S4-220748](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220748.zip) | Editorial Updates to 26.955 to Clause 4 and 5 | Tencent | Gilles Teniou |
| --- | --- | --- | --- |

**S4-220748** is **agreed.**

| [S4-220739](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220739.zip) | Updates to 26.955 to Clause 6 and 7 | Tencent | Gilles Teniou |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [[FS\_5GVideo, 739, Block A, 12th May 0600CEST] Updates to 26.955 to Clause 6 and 7](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;372f7911.2205B&S=) | teniou(TeniouGilles) | Tue, 10 May 2022 23:09:19 +0000 |
| --- | --- | --- |
| [[FS\_5GVideo, 739, Block A, 12th May 0600CEST] Updates to 26.955 to Clause 6 and 7](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;c5b3d309.2205B&S=) | Thomas Stockhammer | Wed, 11 May 2022 09:10:23 +0000 |
| [[FS\_5GVideo, 739, Block A, 12th May 0600CEST] Updates to 26.955 to Clause 6 and 7](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;1c1e006d.2205B&S=) | teniou(TeniouGilles) | Wed, 11 May 2022 20:06:46 +0000 |
| [[FS\_5GVideo, 739, Block A, 12th May 0600CEST] Updates to 26.955 to Clause 6 and 7](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;1046622c.2205B&S=) | Lukasz Litwic | Wed, 11 May 2022 20:39:25 +0000 |

| [[FS\_5GVideo, 739, Block A, 12th May 0600CEST] Updates to 26.955 to Clause 6 and 7](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;2707394c.2205C&S=) | teniou(TeniouGilles) | Mon, 16 May 2022 10:34:03 +0000 |
| --- | --- | --- |
| [[FS\_5GVideo, 739, Block A, 12th May 0600CEST] Updates to 26.955 to Clause 6 and 7](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;35fead26.2205C&S=) | Thomas Stockhammer | Wed, 18 May 2022 03:30:55 +0000 |

**Revisions:**

| [S4-220739-Updates to 26.955 to Clause 6 and 7\_QCOM.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_119-e/Inbox/Drafts/Video/S4-220739-Updates%20to%2026.955%20to%20Clause%206%20and%207_QCOM.docx) | 5/11/2022 9:02 |
| --- | --- |
| [S4-220739-Updates to 26.955 to Clause 6 and 7\_QCOM.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_119-e/Inbox/Drafts/Video/S4-220739-Updates%20to%2026.955%20to%20Clause%206%20and%207_QCOM.docx) | 5/11/2022 9:02 |
| [S4-220739-Updates to 26.955 to Clause 6 and 7\_rev1.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_119-e/Inbox/Drafts/Video/S4-220739-Updates%20to%2026.955%20to%20Clause%206%20and%207_rev1.docx) | 5/11/2022 20:03 |
| [S4-220739-Updates to 26.955 to Clause 6 and 7\_rev1.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_119-e/Inbox/Drafts/Video/S4-220739-Updates%20to%2026.955%20to%20Clause%206%20and%207_rev1.docx) | 5/11/2022 20:03 |
| [S4-220739-Updates to 26.955 to Clause 6 and 7\_rev2.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_119-e/Inbox/Drafts/Video/S4-220739-Updates%20to%2026.955%20to%20Clause%206%20and%207_rev2.docx) | 5/16/2022 10:32 |

**Online Discussion:**

* Gilles summarizes the discussion and we review rev1
* Thomas: We only use main10 and SCC10
* Thomas: We need to make sure that we do not mix reference software with profile
* We keep the 03 and 04 configs, but provide a note.
* Gilles presents rev2

**Decision:**

* **Agreed rev1, but need to check SCC updated text**
* **Agreed rev2**

**S4-220739** is **revised to S4-220758.**

| [S4-220758](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220758.zip) | Updates to 26.955 to Clause 6 and 7 | Tencent | Gilles Teniou |
| --- | --- | --- | --- |

**S4-220758** is **agreed.**

| [S4-220753](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220753.zip) | [FS\_5GVideo] JM Verification | Qualcomm France | Thomas Stockhammer |
| --- | --- | --- | --- |

**E-mail discussion:**

| [Doc 753 (Overlap definition)](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;fa5568a7.2205C&S=) | Thomas Stockhammer | Mon, 16 May 2022 10:41:02 +0000 |
| --- | --- | --- |
| [Doc 753 (Overlap definition)](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;f39cbb5f.2205C&S=) | Lukasz Litwic | Mon, 16 May 2022 22:20:20 +0000 |
| [Doc on Coverage](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;adb13cde.2205C&S=) | Thomas Stockhammer | Mon, 16 May 2022 03:38:53 +0000 |

**Revisions:**

**Online Discussion:**

* Thomas presents.
* Gaelle: objects to add or. If coverage is not sufficient, than also quality rate curves must not be provided either. It is an ‘and’
  + Thomas: Apologies, I thought that this is agreed
  + Gilles:
    - on the rate-quality curves, why not report
    - On the range, more important is the range
  + Dmytro:
    - Inconsistent overlap will provide inconsistent results
    - Different codecs overlap at different
* Alexis: comparisons of A and C does not work between A and B as well as
* Thomas: I prefer to withdraw. I do not see that we can agree and my preference is to not jeopardize the completion. It seems that the frame

**Decision:**

* **withdrawn.**

**S4-220753** is **withdrawn.**

| [S4-220754](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220754.zip) | Verification of AV1 results | Google, Facebook | John Simmons |
| --- | --- | --- | --- |

**E-Mail Discussion:**

| [[FS\_5GVideo, 754, Block A, 12th May 0600CEST] Verification of AV1 results](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;ab3ab5f7.2205C&S=) | John Simmons | Mon, 16 May 2022 21:23:33 -0700 |
| --- | --- | --- |
| [[FS\_5GVideo, 754, Block A, 12th May 0600CEST] Verification of AV1 results](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;f19497f3.2205C&S=) | teniou(TeniouGilles) | Tue, 17 May 2022 15:15:16 +0000 |
| [[FS\_5GVideo, 754-r1] Verification of AV1 Results](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;87c82330.2205C&S=) | John Simmons | Tue, 17 May 2022 21:20:09 -0700 |
| [[FS\_5GVideo, 754-r1] Verification of AV1 Results](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;e508074b.2205C&S=) | John Simmons | Tue, 17 May 2022 21:22:32 -0700 |

| [Final update to S4-220754 - AV1 verification of results](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;f8b30fa5.2205C&S=) | John Simmons | Wed, 18 May 2022 22:25:06 -0700 |
| --- | --- | --- |

**Revisions:**

| [S4-220754\_pCR\_AV1\_verification.zip](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_119-e/Inbox/Drafts/Video/S4-220754_pCR_AV1_verification.zip) | 5/17/2022 3:54 |
| --- | --- |
| [S4-220754\_pCR\_AV1\_verification-r1.zip](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_119-e/Inbox/Drafts/Video/S4-220754_pCR_AV1_verification-r1.zip) | 5/18/2022 4:17 |
| [S4-220754\_pCR\_AV1\_verification-r2.zip](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_119-e/Inbox/Drafts/Video/S4-220754_pCR_AV1_verification-r2.zip) | 5/19/2022 5:22 |

**Online Discussion:**

* John presents drafts r1
* Gaelle: What is the situation on the QP?
  + John: We just missed this. Will be updated soon
  + Justin: Will this be updated next time?
  + John: need to check, we keep this
* John presents draft r02
  + See also offline notes
  + All S, completed

**Decision:**

* **Draft r02 is agreed**

**S4-220754** is **agreed.**

| [S4-220764](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220764.zip) | Proposed Updated Conclusions | Qualcomm, Tencent | Thomas stockhammer |
| --- | --- | --- | --- |

**E-Mail Discussion:**

| [764: Proposed Updated Conclusions](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;5074c29e.2205C&S=) | Thomas Stockhammer | Wed, 18 May 2022 20:37:22 +0000 |
| --- | --- | --- |
| [764: Proposed Updated Conclusions](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;4ea750f8.2205C&S=) | Fabrice Plante | Wed, 18 May 2022 19:41:43 -0700 |
| [764: Proposed Updated Conclusions](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;a60dc0bb.2205C&S=) | Thomas Stockhammer | Thu, 19 May 2022 02:49:16 +0000 |
| [764: Proposed Updated Conclusions](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;56e9d86e.2205C&S=) | Dmytro Rusanovskyy | Thu, 19 May 2022 03:20:47 +0000 |
| [764: Proposed Updated Conclusions](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;eac8a3c0.2205C&S=) | Thomas Stockhammer | Thu, 19 May 2022 03:23:25 +0000 |
| [764: Proposed Updated Conclusions](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;ca77c5f8.2205C&S=) | Gaëlle Martin-Cocher | Thu, 19 May 2022 03:51:11 +0000 |
| [764: Proposed Updated Conclusions](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;486a814.2205C&S=) | Thomas Stockhammer | Thu, 19 May 2022 04:12:41 +0000 |
| [764: Proposed Updated Conclusions](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;377ac937.2205C&S=) | Madhukar Budagavi | Thu, 19 May 2022 05:42:07 +0000 |
| [764: Proposed Updated Conclusions](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;dbe36bfb.2205C&S=) | Thomas Stockhammer | Thu, 19 May 2022 06:00:44 +0000 |

**Revisions**

| [S4-220764-26.955-Updated-Conclusions\_Apple.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_119-e/Inbox/Drafts/Video/S4-220764-26.955-Updated-Conclusions_Apple.docx) | 5/19/2022 2:34 |
| --- | --- |
| [S4-220764r01-26.955-Updated-Conclusions.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_119-e/Inbox/Drafts/Video/S4-220764r01-26.955-Updated-Conclusions.docx) | 5/19/2022 2:46 |
| [S4-220764r01-26.955-Updated-Conclusions-InterDigital.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_119-e/Inbox/Drafts/Video/S4-220764r01-26.955-Updated-Conclusions-InterDigital.docx) | 5/19/2022 3:48 |
| [S4-220764r02-26.955-Updated-Conclusions.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_119-e/Inbox/Drafts/Video/S4-220764r02-26.955-Updated-Conclusions.docx) | 5/19/2022 4:11 |
| [S4-220764r03-26.955-Updated-Conclusions.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_119-e/Inbox/Drafts/Video/S4-220764r03-26.955-Updated-Conclusions.docx) | 5/19/2022 5:59 |

**Online Discussion:**

* Thomas presents r03
  + Gaelle: co-signers Interdigital and Ericsson

**Decision:**

* **r03 is agreed**

**S4-220764** is **revised to S4-220858.**

| [S4-220858](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220858.zip) | Proposed Updated Conclusions | Qualcomm, Tencent, Ericsson, Interdigital, <others> | Thomas stockhammer |
| --- | --- | --- | --- |

**S4-220858** is **agreed.**

## 9.7 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*

| S4-220612 | [FS\_XRTraffic] Proposed Updates to TR26.926 | Qualcomm Incorporated | Thomas Stockhammer |
| --- | --- | --- | --- |

**S4-220612** is **withdrawn.**

| [S4-220762](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220762.zip) | [FS\_XRTraffic] Updated Time Plan | Qualcomm Incorporated | Thomas Stockhammer |
| --- | --- | --- | --- |

**S4-220762** is **presented to SA4 plenary.**

## 9.8 FS\_AI4Media (Feasibility Study on Artificial Intelligence (AI) and Machine Learning (ML) for Media)

*WID:**SP-220XXX Feasibility Study on Artificial Intelligence (AI) and Machine Learning (ML) for Media*

| [S4-220627](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220627.zip) | NNEF format for AI/ML | Qualcomm Technologies Ireland | Imed Bouazizi |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [[FS\_AI4Media, 627, Block B, 17th May 0600CEST] NNEF format for AI/ML](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;f22fc4ca.2205C&S=) | teniou(TeniouGilles) | Sun, 15 May 2022 22:53:01 +0000 |
| --- | --- | --- |
| [[FS\_AI4Media, 627, Block B, 17th May 0600CEST] NNEF format for AI/ML](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;f1fed416.2205C&S=) | Eric Yip | Mon, 16 May 2022 10:14:27 +0900 |
| [[FS\_AI4Media, 627, Block B, 17th May 0600CEST] NNEF format for AI/ML](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;141a70fb.2205C&S=) | Imed Bouazizi | Mon, 16 May 2022 19:09:06 +0000 |

**Revisions:**

**Online Discussion:**

* Gilles summarizes the discussion

**Decision:**

**S4-220627** is **agreed.**

| [S4-220631](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220631.zip) | [FS\_AI4Media] Proposed Updated Time and Work Plan | Samsung Electronics Iberia SA | Eric Yip |
| --- | --- | --- | --- |

**Revisions:**

| [S4-220631 Proposed Updated Time and Work Plan.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_119-e/Inbox/Drafts/Video/S4-220631%20Proposed%20Updated%20Time%20and%20Work%20Plan.docx) | 5/18/2022 1:01 |
| --- | --- |
| [S4-220631\_latest draft.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_119-e/Inbox/Drafts/Video/S4-220631_latest%20draft.docx) | 5/19/2022 11:31 |

**Online Discussion:**

* Draft was presented, scope was agreed.

**Decision:**

* **Fix date offline**

**S4-220631** is **presented to SA plenary.**

| [S4-220632](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220632.zip) | [FS\_AI4Media] Update on use cases | Samsung Electronics Iberia SA | Eric Yip |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [[FS\_AI4Media, 632, Block B, 17th May 0600CEST] Update on use cases](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;4a3fe070.2205C&S=) | teniou(TeniouGilles) | Sun, 15 May 2022 22:53:29 +0000 |
| --- | --- | --- |
| [[FS\_AI4Media, 632, Block B, 17th May 0600CEST] Update on use cases](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;3f1be12c.2205C&S=) | Imed Bouazizi | Mon, 16 May 2022 16:51:12 +0000 |

**Revisions:**

| [S4-220632r01.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_119-e/Inbox/Drafts/Video/S4-220632r01.docx) | 5/16/2022 4:48 |
| --- | --- |
| [S4-220632r02 Update on use cases merged with S4-220711.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_119-e/Inbox/Drafts/Video/S4-220632r02%20Update%20on%20use%20cases%20merged%20with%20S4-220711.docx) | 5/16/2022 14:34 |
| [S4-220632r02 Update on use cases merged with S4-220711-Nokia.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_119-e/Inbox/Drafts/Video/S4-220632r02%20Update%20on%20use%20cases%20merged%20with%20S4-220711-Nokia.docx) | 5/17/2022 9:06 |

**Online Discussion:**

* Gilles presents r02
* Thomas: I am lost why we modify SA1 use cases.
* Saba: some of the information comes from SA1, some are unclear where they come from
* Imed: Why are we adding this information?
* Stephane: explains the details why the numbers are added. Provides more background.
* Saba: we are not against everything, but more details are needed.
* Eric: can we go back to original contribution

**Decision:**

* **We agree 632 in the original version without 2.3.**

**S4-220632** is **agreed.**

| [S4-220755](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220755.zip) | [FS\_AI4Media] Permanent document | Samsung Electronics Iberia SA | Eric Yip |
| --- | --- | --- | --- |

**S4-220755** is **presented to SA4 plenary.**

| [S4-220633](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220633.zip) | [FS\_AI4Media] Discussion on basic architecture for AI/ML | Samsung Electronics Iberia SA | Eric Yip |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [[FS\_AI4Media, 633, Block B, 17th May 0600CEST] Discussion on basic architecture for AI/ML](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;d3046dd3.2205C&S=) | teniou(TeniouGilles) | Sun, 15 May 2022 22:53:15 +0000 |
| --- | --- | --- |
| [[FS\_AI4Media, 633, Block B, 17th May 0600CEST] Discussion on basic architecture for AI/ML](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;c6f9d6f6.2205C&S=) | Stephane Onno | Mon, 16 May 2022 08:26:11 +0000 |
| [[FS\_AI4Media, 633, Block B, 17th May 0600CEST] Discussion on basic architecture for AI/ML](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;8d5ed2af.2205C&S=) | panqi (E) | Mon, 16 May 2022 08:50:46 +0000 |
| [[FS\_AI4Media, 633, Block B, 17th May 0600CEST] Discussion on basic architecture for AI/ML](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;2c4d10a1.2205C&S=) | Imed Bouazizi | Mon, 16 May 2022 17:31:01 +0000 |
| [[FS\_AI4Media, 633, Block B, 17th May 0600CEST] Discussion on basic architecture for AI/ML](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;85b79b67.2205C&S=) | Eric Yip | Tue, 17 May 2022 10:33:02 +0900 |
| [[FS\_AI4Media, 633, Block B, 17th May 0600CEST] Discussion on basic architecture for AI/ML](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;bd31759.2205C&S=) | Eric Yip | Tue, 17 May 2022 11:16:22 +0900 |
| [[FS\_AI4Media, 633, Block B, 17th May 0600CEST] Discussion on basic architecture for AI/ML](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;d81d29.2205C&S=) | Eric Yip | Tue, 17 May 2022 11:27:52 +0900 |
| [[FS\_AI4Media, 633, Block B, 17th May 0600CEST] Discussion on basic architecture for AI/ML](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;dcb0a9cf.2205C&S=) | Eric Yip | Tue, 17 May 2022 12:16:04 +0900 |
| [[FS\_AI4Media, 633, Block B, 17th May 0600CEST] Discussion on basic architecture for AI/ML](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;9e61577d.2205C&S=) | Thomas Stockhammer | Tue, 17 May 2022 03:36:52 +0000 |
| [[FS\_AI4Media, 633, Block B, 17th May 0600CEST] Discussion on basic architecture for AI/ML](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;2de1499e.2205C&S=) | Eric Yip | Tue, 17 May 2022 13:12:30 +0900 |
| [[FS\_AI4Media, 633, Block B, 17th May 0600CEST] Discussion on basic architecture for AI/ML](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;60ef934.2205C&S=) | Eric Yip | Tue, 17 May 2022 17:36:21 +0900 |
| [[FS\_AI4Media, 633, Block B, 17th May 0600CEST] Discussion on basic architecture for AI/ML](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;a3e31205.2205C&S=) | Stephane Onno | Tue, 17 May 2022 09:14:53 +0000 |
| [[FS\_AI4Media, 633, Block B, 17th May 0600CEST] Discussion on basic architecture for AI/ML](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;d0788de7.2205C&S=) | Thomas Stockhammer | Tue, 17 May 2022 10:35:32 +0000 |
| [[FS\_AI4Media, 633, Block B, 17th May 0600CEST] Discussion on basic architecture for AI/ML](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;902563ce.2205C&S=) | Eric Yip | Wed, 18 May 2022 10:34:43 +0900 |
| [[FS\_AI4Media, 633, Block B, 17th May 0600CEST] Discussion on basic architecture for AI/ML](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;aa6713ba.2205C&S=) | Eric Yip | Wed, 18 May 2022 17:16:53 +0900 |
| [[FS\_AI4Media, 633, Block B, 17th May 0600CEST] Discussion on basic architecture for AI/ML](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;d3b0615.2205C&S=) | Stephane Onno | Wed, 18 May 2022 10:40:36 +0000 |
| [[FS\_AI4Media, 633, Block B, 17th May 0600CEST] Discussion on basic architecture for AI/ML](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;c7d14fd5.2205C&S=) | Thomas Stockhammer | Wed, 18 May 2022 10:41:58 +0000 |
| [[FS\_AI4Media, 633, Block B, 17th May 0600CEST] Discussion on basic architecture for AI/ML](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;3a4d95dc.2205C&S=) | Ahsan, Saba (Nokia - FI/Espoo) | Wed, 18 May 2022 19:42:21 +0000 |
| [[FS\_AI4Media, 633, Block B, 17th May 0600CEST] Discussion on basic architecture for AI/ML](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;a1277a00.2205C&S=) | Eric Yip | Thu, 19 May 2022 11:17:30 +0900 |

**Revisions:**

| [S4-220633\_InterDigital.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_119-e/Inbox/Drafts/Video/S4-220633_InterDigital.docx) | 5/16/2022 7:30 |
| --- | --- |
| [S4-220633r01.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_119-e/Inbox/Drafts/Video/S4-220633r01.docx) | 5/17/2022 3:14 |
| [S4-220633r02.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_119-e/Inbox/Drafts/Video/S4-220633r02.docx) | 5/18/2022 8:10 |
| [S4-220633r02-Interdigital.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_119-e/Inbox/Drafts/Video/S4-220633r02-Interdigital.docx) | 5/18/2022 10:36 |
| [S4-220633r03.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_119-e/Inbox/Drafts/Video/S4-220633r03.docx) | 5/19/2022 2:11 |

**Online Discussion:**

* Eric presents r1
* Thomas: unclear why we introduce the terms AI AF and AI Media Session handler. This is not specific to AI.
  + Thorsten: I support this, rebranding with AI is not suitabl
* Dolby - Frédéric Gabin (SA4 Chair) to Everyone
  + One WID objective is: "- Describe the media service architecture and relevant service flows for the scenarios, identifying for each use case the impacts on the architecture, including any potential gaps with existing 5G media service architectures. Also describe the model operation configurations for each use case, including split AI/ML operations, identifying where certain AI/ML operations occur."
  + So first use existing architecture and see whether it fits.
* Eric presents r3

**Decision:**

* **Document is parked after r1 presentation**
* **R3 is agreed with addition in brackets**

**S4-220633** is **revised to S4-220853.**

| [S4-220853](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220853.zip) | [FS\_AI4Media] Discussion on basic architecture for AI/ML | Samsung Electronics Iberia SA | Eric Yip |
| --- | --- | --- | --- |

**S4-220853** is **agreed.**

| [S4-220710](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220710.zip) | [FS\_AI4Media] Definitions and AI/ML model composition | InterDigital Finland Oy | Stephane Onno |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [[FS\_AI4Media, 710, Block B, 17th May 0600CEST] Definitions and AI/ML model composition](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;9113c529.2205C&S=) | teniou(TeniouGilles) | Sun, 15 May 2022 22:53:53 +0000 |
| --- | --- | --- |
| [[FS\_AI4Media, 710, Block B, 17th May 0600CEST] Definitions and AI/ML model composition](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;884ee554.2205C&S=) | Eric Yip | Mon, 16 May 2022 11:26:57 +0900 |
| [[FS\_AI4Media, 710, Block B, 17th May 0600CEST] Definitions and AI/ML model composition](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;ce97624c.2205C&S=) | Stephane Onno | Mon, 16 May 2022 11:10:45 +0000 |
| [[FS\_AI4Media, 710, Block B, 17th May 0600CEST] Definitions and AI/ML model composition](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;a19122f5.2205C&S=) | Ahsan, Saba (Nokia - FI/Espoo) | Mon, 16 May 2022 20:04:51 +0000 |
| [[FS\_AI4Media, 710, Block B, 17th May 0600CEST] Definitions and AI/ML model composition](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;5cfc6e0f.2205C&S=) | Eric Yip | Tue, 17 May 2022 11:55:23 +0900 |
| [[FS\_AI4Media, 710, Block B, 17th May 0600CEST] Definitions and AI/ML model composition](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;89c11126.2205C&S=) | Imed Bouazizi | Tue, 17 May 2022 04:13:41 +0000 |
| [[FS\_AI4Media, 710, Block B, 17th May 0600CEST] Definitions and AI/ML model composition](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;866b82f5.2205C&S=) | Stephane Onno | Tue, 17 May 2022 05:01:06 +0000 |
| [[FS\_AI4Media, 710, Block B, 17th May 0600CEST] Definitions and AI/ML model composition](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;f31369f9.2205C&S=) | Stephane Onno | Tue, 17 May 2022 07:30:00 +0000 |
| [[FS\_AI4Media, 710, Block B, 17th May 0600CEST] Definitions and AI/ML model composition](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;b490fc12.2205C&S=) | Stephane Onno | Tue, 17 May 2022 16:05:46 +0000 |
| [[FS\_AI4Media, 710, Block B, 17th May 0600CEST] Definitions and AI/ML model composition](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;96e8a563.2205C&S=) | Eric Yip | Wed, 18 May 2022 10:13:34 +0900 |

**Revisions:**

| [S4-220710\_Samsung.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_119-e/Inbox/Drafts/Video/S4-220710_Samsung.docx) | 5/16/2022 2:25 |
| --- | --- |
| [S4-220710r01.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_119-e/Inbox/Drafts/Video/S4-220710r01.docx) | 5/17/2022 16:02 |

**Online Discussion:**

* Stephane presents Samung revision
  + Saba: prefer to update figure according to my comments
  + Imed: Is AI/ML limited to DNN?
  + Thomas: Is it for the permanent document?
    - Yes
* Stephane present r01
  + No comments

**Decision:**

* **Parked - expect revision**
* **R01 is agreed**

**S4-220710** is **revised to S4-220854**

| [S4-220854](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220854.zip) | [FS\_AI4Media] Definitions and AI/ML model composition | InterDigital Finland Oy | Stephane Onno |
| --- | --- | --- | --- |

**S4-220854** is **agreed.**

| [S4-220711](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220711.zip) | [FS\_AI4Media] Use-case 2.3 update | InterDigital Finland Oy | Stephane Onno |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [[FS\_AI4Media, 711, Block B, 17th May 0600CEST] Use-case 2.3 update](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;f45483d3.2205C&S=) | teniou(TeniouGilles) | Sun, 15 May 2022 22:53:42 +0000 |
| --- | --- | --- |
| [[FS\_AI4Media, 711, Block B, 17th May 0600CEST] Use-case 2.3 update](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;2ecb17d.2205C&S=) | Eric Yip | Mon, 16 May 2022 13:50:24 +0900 |
| [[FS\_AI4Media, 711, Block B, 17th May 0600CEST] Use-case 2.3 update](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;1c35e035.2205C&S=) | Stephane Onno | Mon, 16 May 2022 14:55:13 +0000 |
| [[FS\_AI4Media, 711, Block B, 17th May 0600CEST] Use-case 2.3 update](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;689922e4.2205C&S=) | Ahsan, Saba (Nokia - FI/Espoo) | Mon, 16 May 2022 18:48:00 +0000 |
| [[FS\_AI4Media, 711, Block B, 17th May 0600CEST] Use-case 2.3 update](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;51ac0637.2205C&S=) | teniou(TeniouGilles) | Mon, 16 May 2022 19:19:23 +0000 |
| [[FS\_AI4Media, 711, Block B, 17th May 0600CEST] Use-case 2.3 update](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;f77c6e97.2205C&S=) | Thomas Stockhammer | Mon, 16 May 2022 20:58:14 +0000 |
| [[FS\_AI4Media, 711, Block B, 17th May 0600CEST] Use-case 2.3 update](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;6747c5f0.2205C&S=) | Eric Yip | Tue, 17 May 2022 12:03:35 +0900 |
| [[FS\_AI4Media, 711, Block B, 17th May 0600CEST] Use-case 2.3 update](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;20c81a4d.2205C&S=) | Eric Yip | Tue, 17 May 2022 12:26:08 +0900 |
| [[FS\_AI4Media, 711, Block B, 17th May 0600CEST] Use-case 2.3 update](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;20709901.2205C&S=) | Imed Bouazizi | Tue, 17 May 2022 04:18:30 +0000 |
| [[FS\_AI4Media, 711, Block B, 17th May 0600CEST] Use-case 2.3 update](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;3c606b33.2205C&S=) | Stephane Onno | Tue, 17 May 2022 04:45:48 +0000 |
| [[FS\_AI4Media, 711, Block B, 17th May 0600CEST] Use-case 2.3 update](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;a223a87e.2205C&S=) | Stephane Onno | Tue, 17 May 2022 07:17:04 +0000 |
| [[FS\_AI4Media, 711, Block B, 17th May 0600CEST] Use-case 2.3 update](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;5f9d5b8f.2205C&S=) | Eric Yip | Tue, 17 May 2022 16:35:10 +0900 |
| [[FS\_AI4Media, 711, Block B, 17th May 0600CEST] Use-case 2.3 update](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;b5ecef27.2205C&S=) | Ahsan, Saba (Nokia - FI/Espoo) | Tue, 17 May 2022 09:16:57 +0000 |
| [[FS\_AI4Media, 711, Block B, 17th May 0600CEST] Use-case 2.3 update](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;e15d3c46.2205C&S=) | Stephane Onno | Tue, 17 May 2022 09:39:20 +0000 |
| [[FS\_AI4Media, 711, Block B, 17th May 0600CEST] Use-case 2.3 update](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;edb09d9d.2205C&S=) | Stephane Onno | Tue, 17 May 2022 10:54:40 +0000 |
| [[FS\_AI4Media, 711, Block B, 17th May 0600CEST] Use-case 2.3 update](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;c29722e0.2205C&S=) | Ahsan, Saba (Nokia - FI/Espoo) | Tue, 17 May 2022 11:42:58 +0000 |
| [[FS\_AI4Media, 711, Block B, 17th May 0600CEST] Use-case 2.3 update](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;f99efd35.2205C&S=) | Stephane Onno | Tue, 17 May 2022 15:10:58 +0000 |
| [[FS\_AI4Media, 711, Block B, 17th May 0600CEST] Use-case 2.3 update](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;9f43805f.2205C&S=) | Stephane Onno | Tue, 17 May 2022 17:28:27 +0000 |
| [[FS\_AI4Media, 711, Block B, 17th May 0600CEST] Use-case 2.3 update](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;30a584fb.2205C&S=) | Eric Yip | Wed, 18 May 2022 10:18:05 +0900 |
| [[FS\_AI4Media, 711, Block B, 17th May 0600CEST] Use-case 2.3 update](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;6f73aeab.2205C&S=) | Imed Bouazizi | Wed, 18 May 2022 03:23:58 +0000 |
| [[FS\_AI4Media, 711, Block B, 17th May 0600CEST] Use-case 2.3 update](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;914e2ffd.2205C&S=) | Stephane Onno | Wed, 18 May 2022 05:06:45 +0000 |

**Revisions:**

| [S4-220711r02-use case 2.3 update.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_119-e/Inbox/Drafts/Video/S4-220711r02-use%20case%202.3%20update.docx) | 5/17/2022 17:25 |
| --- | --- |
| [S4-220711r02-use case 2.3 update\_Samsung.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_119-e/Inbox/Drafts/Video/S4-220711r02-use%20case%202.3%20update_Samsung.docx) | 5/18/2022 1:16 |
| [S4-220711r03 -use case 2.3.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_119-e/Inbox/Drafts/Video/S4-220711r03%20-use%20case%202.3.docx) | 5/18/2022 4:54 |
| [S4-220711r03-use case 2.3.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_119-e/Inbox/Drafts/Video/S4-220711r03-use%20case%202.3.docx) | 5/18/2022 4:44 |
| [S4-220711r1-use case 2.3 update.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_119-e/Inbox/Drafts/Video/S4-220711r1-use%20case%202.3%20update.docx) | 5/17/2022 10:47 |
| [S4-220711r1-use case 2.3 update-Nokia.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_119-e/Inbox/Drafts/Video/S4-220711r1-use%20case%202.3%20update-Nokia.docx) | 5/17/2022 11:41 |
| [S4-220711r1-use-case 2-3 update.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_119-e/Inbox/Drafts/Video/S4-220711r1-use-case%202-3%20update.docx) | 5/17/2022 10:34 |

**Online Discussion:**

* Stephane explains that this is related to 632
* Stephane present 711r03
  + Gilles: hanging paragraph

**Decision:**

* **Parked**
* **R03 is agreed**

**S4-220711** is **revised to S4-220855**

| [S4-220855](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220855.zip) | [FS\_AI4Media] Use-case 2.3 update | InterDigital Finland Oy | Stephane Onno |
| --- | --- | --- | --- |

**S4-220855** is **agreed.**

## 9.9 New Work / New Work Items and Study Items

| [S4-220675](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220675.zip) | Draft SID on XR Service Collaboration Extension in the Network Media Layer | China Mobile Com. Corporation | Yujian Yin |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [[NewSID, 675&676, Block B, 17th May 0600CEST] XR Service Collaboration Extension](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;42b4c56f.2205C&S=) | teniou(TeniouGilles) | Sun, 15 May 2022 22:52:31 +0000 |
| --- | --- | --- |
| [[NewSID, 675&676, Block B, 17th May 0600CEST] XR Service Collaboration Extension](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;ceabb022.2205C&S=) | He, Shane (Nokia - FR/Paris-Saclay) | Mon, 16 May 2022 16:21:58 +0000 |
| [[NewSID, 675&676, Block B, 17th May 0600CEST] XR Service Collaboration Extension](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;e4524c6f.2205C&S=) | Thomas Stockhammer | Mon, 16 May 2022 20:32:17 +0000 |
| [[NewSID, 675&676, Block B, 17th May 0600CEST] XR Service Collaboration Extension](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;610d6f7c.2205C&S=) | Yujian Yin | Tue, 17 May 2022 10:52:25 +0800 |
| [[NewSID, 675&676, Block B, 17th May 0600CEST] XR Service Collaboration Extension](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;b4e32ca4.2205C&S=) | Yujian Yin | Tue, 17 May 2022 11:22:38 +0800 |
| [[NewSID, 675&676, Block B, 17th May 0600CEST] XR Service Collaboration Extension](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;2f03dd6c.2205C&S=) | Yujian Yin | Tue, 17 May 2022 12:48:34 +0800 |
| [[NewSID, 675&676, Block B, 17th May 0600CEST] XR Service Collaboration Extension](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;d74aa104.2205C&S=) | Yujian Yin | Wed, 18 May 2022 11:02:00 +0800 |

**Revisions:**

| [S4-220675r01\_XRcollab.docx](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_119-e/Inbox/Drafts/Video/S4-220675r01_XRcollab.docx) | 5/18/2022 2:42 |
| --- | --- |

**Online Discussion:**

* Gilles summarizes the discussion
* Thomas: we are still unclear what this work is about, AREA is about to be defined and will address this.
  + Yujian: We follow up on TR 26.998, we want extend the work focus on new data and media.
  + Thomas: Qualcomm does not block this work
* Gilles. Summarizes
  + There are not sufficient co-signers
  + The relation to AREA is missing
  + We propose to present it to SA4 plenary for further discussion.
* Yujian presents r01
  + Ryan: two main concerns.
    - More implementation guidelines, no study needed
    - Claims AREA is real time only
    - Still unclear
  + Another revision will be created. It will be noted here and presented to SA plenary.

**Decision:**

* **Parked**
* **R01 is further revised and be noted**

**S4-220675** is **revised to S4-220856.**

| [S4-220856](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220856.zip) | Draft SID on XR Service Collaboration Extension in the Network Media Layer | China Mobile Com. Corporation | Yujian Yin |
| --- | --- | --- | --- |

**S4-220856** is **noted.**

| [S4-220676](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220676.zip) | Discussion Paper Updated on XR collaboration extension | China Mobile Com. Corporation | Yujian Yin |
| --- | --- | --- | --- |

**E-mail Discussion:**

See discussion S4-220675.

**Decision:**

* **noted**

**S4-220676** is **noted.**

| [S4-220682](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220682.zip) | Feasibility Study on AR and MR QoE Metrics | China Unicom, Huawei, CATT, ZTE, OPPO, Nokia Corporation | Shuai Gao |
| --- | --- | --- | --- |

**E-mail Discussion:**

| [[NewSID, 682, Block B, 17th May 0600CEST] Feasibility Study on AR and MR QoE Metrics](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;9b5b1692.2205C&S=) | teniou(TeniouGilles) | Sun, 15 May 2022 22:52:00 +0000 |
| --- | --- | --- |
| [[NewSID, 682, Block B, 17th May 0600CEST] Feasibility Study on AR and MR QoE Metrics](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;d8641e1f.2205C&S=) | teniou(TeniouGilles) | Mon, 16 May 2022 18:13:43 +0000 |
| [[NewSID, 682, Block B, 17th May 0600CEST] Feasibility Study on AR and MR QoE Metrics](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;2fce84d9.2205C&S=) | Thomas Stockhammer | Mon, 16 May 2022 21:53:02 +0000 |
| [[NewSID, 682, Block B, 17th May 0600CEST] Feasibility Study on AR and MR QoE Metrics](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;7fe56508.2205C&S=) | gaos30 | Tue, 17 May 2022 12:55:43 +0800 |
| [[NewSID, 682, Block B, 17th May 0600CEST] Feasibility Study on AR and MR QoE Metrics](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;ee620568.2205C&S=) | gaos30 | Tue, 17 May 2022 13:50:43 +0800 |
| [[NewSID, 682, Block B, 17th May 0600CEST] Feasibility Study on AR and MR QoE Metrics](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;4340eeb8.2205C&S=) | gaos30 | Wed, 18 May 2022 12:07:16 +0800 |
| [[NewSID, 682, Block B, 17th May 0600CEST] Feasibility Study on AR and MR QoE Metrics](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;1dda2721.2205C&S=) | gaos30 | Wed, 18 May 2022 12:17:46 +0800 |
| [[NewSID, 682, Block B, 17th May 0600CEST] Feasibility Study on AR and MR QoE Metrics](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;27600b1d.2205C&S=) | gaos30 | Thu, 19 May 2022 09:22:57 +0800 |

**Revisions:**

| [S4-220682\_Feasibility Study on AR and MR QoE Metrics\_QCOM.doc](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_119-e/Inbox/Drafts/Video/S4-220682_Feasibility%20Study%20on%20AR%20and%20MR%20QoE%20Metrics_QCOM.doc) | 5/16/2022 21:47 |
| --- | --- |
| [S4-220682\_Feasibility Study on AR and MR QoE Metrics\_QCOM\_China Unicom v1.doc](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_119-e/Inbox/Drafts/Video/S4-220682_Feasibility%20Study%20on%20AR%20and%20MR%20QoE%20Metrics_QCOM_China%20Unicom%20v1.doc) | 5/18/2022 4:06 |
| [S4-220682\_Feasibility Study on AR and MR QoE Metrics\_QCOM\_China Unicom.doc](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_119-e/Inbox/Drafts/Video/S4-220682_Feasibility%20Study%20on%20AR%20and%20MR%20QoE%20Metrics_QCOM_China%20Unicom.doc) | 5/17/2022 4:32 |
| [S4-220682r01.doc](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_119-e/Inbox/Drafts/Video/S4-220682r01.doc) | 5/18/2022 4:17 |

**Online Discussion:**

* Shuai presents r1
* Thomas: massive amount work - is good
* Gilles: Some more confusion in some pieces
* Gunnar: Subjective tests were discussed before and declined. Changed now?
  + Gilles: only if relevant
  + Thomas: it means that we need to do it, if no-one else does it
* Thomas: I can not commit resources so not able to co-sign. May change later.

**Decision:**

* **Revision 1 is agreed.**

**S4-220682** is **revised to S4-220759.**

| [S4-220759](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_119-e/Docs/S4-220759.zip) | Feasibility Study on AR and MR QoE Metrics | China Unicom, Huawei, CATT, ZTE, OPPO, Nokia Corporation | Shuai Gao |
| --- | --- | --- | --- |

**S4-220759** is **agreed.**

## 9.10 Liaisons and Liaison Responses

none

## 9.11 Any Other Business

### Report

The report will be made available in **S4-220744**.

### Summary from Offline

| [Notes from Offline May 18, 2022 on 5G Video](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;f7befd43.2205C&S=) | Thomas Stockhammer | Wed, 18 May 2022 20:45:11 +0000 |
| --- | --- | --- |
| [Offline 5G Video - Summary and Minutes](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;fd961b9e.2205C&S=) | Thomas Stockhammer | Tue, 17 May 2022 19:13:37 +0000 |
| [Offline 5G Video - Summary and Minutes](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;7c0b987f.2205C&S=) | Lukasz Litwic | Tue, 17 May 2022 20:20:47 +0000 |
| [Offline 5G Video - Summary and Minutes](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;ce75ee0b.2205C&S=) | Thomas Stockhammer | Wed, 18 May 2022 02:21:19 +0000 |
| [Offline 5G Video - Summary and Minutes](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;2b65bc30.2205C&S=) | Gaëlle Martin-Cocher | Wed, 18 May 2022 21:18:48 +0000 |
| [Offline 5G Video - Summary and Minutes](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;c6ec8258.2205C&S=) | Thomas Stockhammer | Wed, 18 May 2022 21:33:08 +0000 |
| [Offline 5G Video - Summary and Minutes](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;62a91887.2205C&S=) | teniou(TeniouGilles) | Wed, 18 May 2022 21:48:22 +0000 |

| [5G Offline #2](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;bc5efe92.2205C&S=) | Thomas Stockhammer | Wed, 18 May 2022 05:08:08 +0000 |
| --- | --- | --- |
| [5G Video Offline](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;6bbedbae.2205C&S=) | Thomas Stockhammer | Tue, 17 May 2022 06:14:11 +0000 |
| [5GVideo Offline #2](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;84cc32d7.2205C&S=) | Thomas Stockhammer | Wed, 18 May 2022 14:00:59 +0000 |

### Output documents

| A.I. # | A.I. Title | Block | Tdoc #s |
| --- | --- | --- | --- |
| 12 | Reports and general issues from sub-working-groups |  |  |
| 12.4 | Video SWG |  | 744 |
| 15 | Release 18 Features |  |  |
| 15.4 | MeCAR (Media Capabilities for Augmented Reality) |  | Input: 850 rfic  PD: 760  TP: 852 |
| 16 | Study Items |  |  |
| 16.1 | FS\_XRTraffic (Feasibility Study on Typical Traffic Characteristics for XR Services and other Media) |  | TP: 762 |
| 16.2 | FS\_5GVideo (Feasibility Study on 5G Video Codec Characteristics) |  | Input: 857  TR: 750  TP: 763  Future work: 859 |
| 16.5 | FS\_AI4Media (Feasibility Study on Artificial Intelligence (AI) and Machine Learning (ML) for Media) |  | TP: 631  PD: 755 |
| 18 | New Work / New Work Items and Study Items |  | AR/MR QoEmetrics: 759  XR collaboration: 856 |

### AHG Telcos

| [Proposed Video Telcos](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;fa715b5d.2205C&S=) | Thomas Stockhammer | Wed, 18 May 2022 17:33:51 +0000 |
| --- | --- | --- |
| [Proposed Video Telcos](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;13ef9ed3.2205C&S=) | Emmanuel Thomas | Thu, 19 May 2022 07:33:11 +0000 |
| [Proposed Video Telcos](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;c567b6de.2205C&S=) | Eric Yip | Thu, 19 May 2022 16:58:18 +0900 |
| [Proposed Video Telcos](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;98af6c3d.2205C&S=) | Thomas Stockhammer | Thu, 19 May 2022 08:19:45 +0000 |

| [3GPP SA4 Video SWG Telco on FS\_5GVideo Completion (PLACEHOLDER)](https://list.etsi.org/scripts/wa.exe?A2=3GPP_TSG_SA_WG4_VIDEO;7c52fc12.2205C&S=) | Thomas Stockhammer | Wed, 18 May 2022 18:29:40 +0000 |
| --- | --- | --- |

## 9.12 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 May 19, 2022 at 09:12 (CEST).

No more e-mail approval is pending.

## 9.13 Attendees

| **TITLE** | **Family Name** | **Given Name** | **Organization Represented** | **Present** |
| --- | --- | --- | --- | --- |
| Dr. | Ahsan | Saba | Nokia Denmark |  |
| Mr. | Aracena | Mauricio | Ericsson LM |  |
| Mr. | AUMONT | FRANCK | InterDigital Belgium. LLC |  |
| Dr. | Bae | BeomSik | Samsung Electronics Benelux BV |  |
| Dr. | Bouazizi | Imed | Qualcomm Technologies Ireland |  |
| Dr. | Bradbury | Richard | BBC |  |
| Dr. | Bruhn | Stefan | Dolby Laboratories Inc. |  |
| Dr. | Budagavi | Madhukar | Samsung Electronics Polska |  |
| Mr. | Burdinat | Christophe | ATEME |  |
| Mr. | Burman | Bo | Ericsson Limited |  |
| Mr. | Chakraborty | Prasenjit | Samsung R&D Institute UK |  |
| Mr. | Champel | Mary-Luc | Beijing Xiaomi Electronics |  |
| Dr. | Chan | Yee Sin | Facebook India |  |
| Dr. | Chen | Lulin | MediaTek Inc. | Yes |
| Dr. | Chiba | Tsunehiko | VIAVI Solutions |  |
| Mr. | Chien | Wei-Jung | Qualcomm Technologies Int |  |
| Mr. | Choi | Hyung-Nam | Motorola Mobility UK Ltd. |  |
| Mr. | Chou | Joey | Intel Korea, Ltd. |  |
| Ms. | Chung | Emily | Microsoft Europe SARL |  |
| Dr. | Curcio | Igor | Nokia Italy |  |
| Mr. | Dawkins | Spencer | Tencent |  |
| Mr. | De Bont | Frans | Philips International B.V. |  |
| Mr. | Defrance | Serge | InterDigital, Inc. |  |
| Mr. | Doehla | Stefan | Fraunhofer IIS |  |
| Ms. | Dong | Xufei | China Unicom |  |
| Dr. | Ehara | Hiroyuki | Panasonic Corporation |  |
| Dr. | El Essaili | Ali | Ericsson Limited |  |
| Mr. | Fontaine | Loic | InterDigital France R&D, SAS |  |
| Mr. | Gabin | Frederic | Dolby Laboratories Inc. |  |
| Mr. | Gao | Shuai | China Unicom |  |
| Mr. | Gao | Yuan | Huawei Device Co., Ltd |  |
| Mr. | Gibellino | Diego | TELECOM ITALIA S.p.A. |  |
| Mr. | Gu | Xiaojun | HUAWEI TECH. GmbH |  |
| Mr. | Gudumasu | Srinivas | InterDigital Communications |  |
| Mr. | Gunkel | Simon | KPN N.V. |  |
| Mr. | Guo | Yi | Intel Belgium SA/NV |  |
| Dr. | Hamza | Ahmed | InterDigital Communications |  |
| Dr. | Han | Jae-Shin | LG Electronics Finland |  |
| Dr. | He | Xuan (Shane) | Nokia Germany |  |
| Dr. | He | Yong | Qualcomm Tech. Netherlands B.V |  |
| Mr. | Heikkilä | Gunnar | Ericsson Inc. |  |
| Dr. | Holub | Jan | Mesaqin.com s.r.o (Ltd.) |  |
| Mr. | Howells | Elfed | Huawei Tech.(UK) Co.. Ltd |  |
| Dr. | Hu | James | AT&T GNS Belgium SPRL |  |
| Dr. | Isabelle | Scott | Amazon |  |
| Mr. | Jang | Jaehyuk | Samsung Electronics Co., Ltd |  |
| Mr. | Jansson Toftgård | Tomas | Ericsson LM | Yes |
| Dr. | Jelinek | Milan | VoiceAge Corporation |  |
| Dr. | Joshi | Rajan | Samsung Electronics Romania |  |
| Dr. | Jung | Kyunghun | Facebook India | Yes |
| Ms. | Kang | HyunJeong | Samsung Electronics France SA |  |
| Miss | Kedalagudde | Meghashree D | Intel Corporation SAS |  |
| Dr. | Kim | Jiwoo | Meta Ireland |  |
| Dr. | Kim | Joel | Meta USA |  |
| Dr. | Kim | Wuk | Harman GmbH |  |
| Dr. | Kolan | Prakash | Samsung R&D Institute India |  |
| Dr. | Kondrad | Lukasz | Nokia Belgium |  |
| Dr. | Kroon | Peter | Apple Benelux B.V. |  |
| Mr. | Kuchibhotla | Ravi | Lenovo (Beijing) Ltd |  |
| Mr. | Kwon | WooSuk | LG Electronics Inc. |  |
| Mr. | Laaksonen | Lasse | Nokia Corporation |  |
| Mr. | Lau | Stephen | Kepler |  |
| Dr. | Lee | Brian | Dolby Laboratories Inc. |  |
| Dr. | Lee | Hakju Ryan | Samsung Guangzhou Mobile R&D |  |
| Dr. | Lei | Yixue | Tencent |  |
| Mr. | Lemotheux | Julien | Orange Spain | Yes |
| Mr. | Leung | Nikolai | QUALCOMM Europe Inc. - Spain |  |
| Mr. | Li | Zhijun | ZTE Corporation |  |
| Dr. | Liangping | Ma | QUALCOMM Europe Inc. - Italy |  |
| Dr. | Litwic | Lukasz | Ericsson Hungary Ltd |  |
| Mr. | Liu | Dan | ZTE Corporation |  |
| Mr. | LIU | Jianning(Carry) | Beijing Xiaomi Software Tech |  |
| Mr. | Lo | Charles | Qualcomm Finland RFFE Oy |  |
| Dr. | Lohmar | Thorsten | Ericsson India Private Limited |  |
| Ms. | Lu | Wei | Xiaomi Technology |  |
| Mr. | Luetzenkirchen | Thomas | Intel Deutschland GmbH |  |
| Mr. | MAO | Yuxin | Xiaomi EV Technology |  |
| Mrs. | Martin-Cocher | Gaelle | InterDigital, Europe, Ltd. |  |
| Miss | Martinez Tarradell | Marta | Intel Corporation Italia SpA |  |
| Mr. | Mayer | Georg | HUAWEI TECHNOLOGIES Co. Ltd. |  |
| Dr. | Mika | Johann | ORS |  |
| Mr. | Morita | Naotaka | NTT Advanced Technology Corpor |  |
| Dr. | Moriya | Takehiro | NTT |  |
| Mr. | Multrus | Markus | Fraunhofer IIS |  |
| Mr. | Mysore Annaiah | Mahesh Nayaka | Reliance Jio |  |
| Mr. | Nangia | Vijay | Motorola Mobility UK Ltd. |  |
| Dr. | Ni | Hui | HUAWEI Technologies Japan K.K. |  |
| Mr. | Niang | Mamadou M. | Verizon Spain |  |
| Mr. | Onno | Stephane | InterDigital Finland Oy |  |
| Dr. | Palat | Sudeep | Intel Corporation (UK) Ltd |  |
| Dr. | Pan | Qi | Huawei Technologies R&D UK | Y |
| Mr. | Pazos | Marcelo | Qualcomm Korea |  |
| Dr. | Peng | Ke | OPPO |  |
| Mr. | Pihlajakuja | Tapani | Nokia Hungary |  |
| Mr. | Pilz | Jens | Sennheiser Electronic GmbH |  |
| Mr. | Plante | Fabrice | Apple Italia S.R.L. | yes |
| Mr. | Pousi | Timo | Oy LM Ericsson AB |  |
| Mr. | Pudney | Chris | VODAFONE Group Plc |  |
| Mr. | Ragot | Stephane | Orange Romania |  |
| Mr. | Rämö | Anssi | Nokia Poland |  |
| Mr. | Reimes | Jan | HEAD acoustics GmbH |  |
| Mr. | Rhyu | Sungryeul | Samsung Electronics GmbH | Yes |
| Dr. | Ridge | Justin | Nokia Korea |  |
| Mr. | Rossbach | Ralf | Apple GmbH |  |
| Dr. | Rusanovskyy | Dmytro | Qualcomm India Pvt Ltd |  |
| Mr. | Sanchez de la Fuente | Yago | Fraunhofer HHI |  |
| Mr. | Schevciw | Andre | Qualcomm Technologies Int |  |
| Dr. | Schierl | Thomas | Fraunhofer HHI |  |
| Dr. | Shailendra | Samar | Intel Technology India Pvt Ltd |  |
| Mr. | Shan | Changhong | Intel China Ltd. |  |
| Ms. | Shen | Yang | Beijing Xiaomi Mobile Softwar |  |
| Mr. | Shi | Runyu | Beijing Xiaomi Mobile Software |  |
| Mr. | Simmons | John | Google Inc. |  |
| Dr. | Sodagar | Iraj | Tencent Cloud |  |
| Dr. | Song | Jaeyeon | BEIJING SAMSUNG TELECOM R&D |  |
| Mr. | Steck | Chris | DTS Licensing Limited |  |
| Dr. | Stockhammer | Thomas | Qualcomm France | Yes |
| Mr. | Stojanovski | Saso | Intel Finland Oy |  |
| Dr. | Su | Huan-yu | HuaWei Technologies Co., Ltd |  |
| Mr. | sun | zhao | HiSilicon Technologies Co. Ltd |  |
| Mr. | Suzuki | Rihito | NTT corporation |  |
| Dr. | Szczerba | Marek | Philips International B.V. |  |
| Mr. | Szucs | Paul | Sony Europe B.V. |  |
| Dr. | TAN | PENG | TELUS |  |
| Dr. | Tech | Gerhard | Fraunhofer HHI |  |
| Mr. | Teniou | Gilles | Tencent |  |
| Mr. | Thomas | Emmanuel | Xiaomi Communications | yes |
| Dr. | Tossavainen | Antero | HUAWEI TECHNOLOGIES Co. Ltd. |  |
| Dr. | Tourapis | Alexandros | Apple GmbH |  |
| Mr. | Tsujikawa | Toru | NTT |  |
| Miss | tunali | aysegul | ASELSAN |  |
| 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 Telecommunication India |  |
| Dr. | Wey | Jun Shan | Verizon Switzerland AG |  |
| Ms. | WU | Jinhua | Beijing Xiaomi Mobile Software |  |
| Mr. | Xie | Minjie | OPPO |  |
| Miss | Xu | Jiayi | China Mobile Com. Corporation | Yes |
| Mr. | yan | hua | ZTE Corporation |  |
| Dr. | Yang | Hyun-Koo | Samsung Electronics Nordic AB |  |
| Mr. | Yao | Yizhi | Intel Technology Poland SP Zoo |  |
| Mrs. | Yin | Yujian | China Mobile Com. Corporation |  |
| Mr. | Yip | Eric | Samsung Electronics Iberia SA | Yes |
| Mr. | zhang | dejun | Bytedance Technology |  |
| Miss | Zhang | Zhijiao | CENC |  |
| Dr. | Zhang | Zhuoyun | Tencent Cloud |  |
| Dr. | Zhao | Shuai | Intel Sweden AB |  |