**Source: VIDEO SWG Chairman[[1]](#footnote-1)**

**Title: VIDEO SWG telco report 26th March 2024**

*The VIDEO SWG has the responsibility for general 3GPP SA4 video matters.*

MINUTES

# 4 VIDEO SWG

## 4.1 Opening of the meeting and Approval of Agenda

### 4.1.1 Opening of the meeting

Gilles Teniou (Tencent, SA4 Video SWG chair) opens the session on March 26, 2024 at 15:00 CET.

Thomas Stockhammer (Qualcomm) is assigned as scribe.

The minutes are shared online: [3GPP SA4 Video SWG Telco (March 26, 2024)](https://docs.google.com/document/d/1CgRRGjR3NH0fbz3fPAcefb6kL1tyBTCMyPRqRdzts54/edit?usp=sharing)

Details of the meeting can be found here:

* Overview: https://portal.3gpp.org/Home.aspx#/meeting?MtgId=60680
* TDocs: [https://portal.3gpp.org/ngppapp/TdocList.aspx?meetingId=60680](https://portal.3gpp.org/ngppapp/TdocList.aspx?meetingId=60668)
* [Download TDoc list (Excel)](https://portal.3gpp.org/ngppapp/GenerateDocumentList.Aspx?meetingId=https://portal.3gpp.org/Home.aspx#/meeting?MtgId=60680)

### 4.1.2 Registration of Documents

The following documents were registered:

|  |  |  |  |
| --- | --- | --- | --- |
| **TDoc** | **Title** | **Source** | **Agenda item** |
| [**S4aV240002**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/Docs/S4aV240002.zip) | [FS\_Beyond2D] Proposed Work Plan | China Mobile Com. Corporation | 4.9 |
| [**S4aV240003**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/Docs/S4aV240003.zip) | [FS\_ Beyond2D] Draft Scenario Template | China Mobile Com. Corporation | 4.9 |
| [**S4aV240004**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/Docs/S4aV240004.zip) | [FS\_Beyond2D] Draft TR 26.956 Beyond 2D Video v0.0.1 | China Mobile Com. Corporation | 4.9 |
| [**S4aV240005**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/Docs/S4aV240005.zip) | Proposed agenda for SA4 VIDEO SWG conf. call (March 26th, 2024 | VIDEO SWG Chair (Tencent) | 4.1 |

4.1.3 Approval of Agenda

|  |  |  |  |
| --- | --- | --- | --- |
| [**S4aV240005**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/Docs/S4aV240005.zip) | Proposed agenda for SA4 VIDEO SWG conf. call (March 26th, 2024 | VIDEO SWG Chair (Tencent) | Gilles Teniou |

**E-mail Discussion**: none

**Presenter**: Gilles Teniou

[**S4aV240005**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/Docs/S4aV240005.zip) is **approved**.

### 4.1.4 IPR and Anti-trust Reminder

Available in: [**S4-201473**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_111-e/Docs/S4-201473.zip)

## 4.2 Reports/Liaisons from other groups/meetings

### 4.2.1 Reports from previous meetings

none

4.3 CRs to features in Release 17 and earlier

No documents

## 4.4 Empty Agenda Item

No documents.

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

*WID:* [*SP-220328*](https://www.3gpp.org/ftp/tsg_sa/TSG_SA/TSGS_95E_Electronic_2022_03/Docs/SP-220328.zip) *New SID on Artificial Intelligence (AI) and Machine Learning (ML) for Media*

## No documents

## 4.7 FS\_FGS (Feasibility Study on Film Grain Synthesis)

*WID:* [*SP-230539*](https://www.3gpp.org/ftp/TSG_SA/TSG_SA/TSGS_100_Taipei_2023-06/Docs/SP-230539.zip) *New SID on Feasibility Study on Film Grain Synthesis*

## No documents

## 4.8 FS\_AVATAR (Feasibility Study on Avatars for Real-Time Communication)

*WID:* [*SP-230544*](https://www.3gpp.org/ftp/TSG_SA/TSG_SA/TSGS_100_Taipei_2023-06/Docs/SP-230544.zip) *New SID on Feasibility Study on Avatars for Real-Time Communication*

## No documents

## 4.9 Others including TEI

|  |  |  |  |
| --- | --- | --- | --- |
| [**S4aV240004**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/Docs/S4aV240004.zip) | [FS\_Beyond2D] Draft TR 26.956 Beyond 2D Video v0.0.1 | China Mobile Com. Corporation | Jiayi Xu |

**Presenter**: Jiayi Xu

**Discussion:**

* Ralf: 4.x.4 => data to delivery
  + Jiayi: delivery will be addressed as a consequence of the workflow and not added here
* Ralf: Where are the results added?
  + Jiayi: in the characterization framework, the results are added.
* Ralf:; scenarios should not be limited to 3 per se.
  + Jiayi: yes, 3 is not strict, but not many more than 3 to 4
* Serhan: Why are formats decoupled from scenarios?
  + Jiayi: We can refer to the formats in the scenario
* Serhan: Why is it said “in 3GPP services”? Can be removed
  + Jiayi: This would be too extensive
  + Gilles: ok we can add this
* Thomas:
  + In Introduction, please add reference to number of growth
  + In Scope, please put in brackets with editor’s not that this may change, and reinsert numbers
  + In clause 4, we should have a clause that summarizes the existing formats in 3GPP from at least TS 26.118 and TS 26.119
  + In clause 4.x.4, maybe call or add representation format
  + Substantially, that clause 5 and clause 6 should be exchanged as the evaluation may be different for each scenario.
  + Also on clause 7, it should not only be a framework, but include actual evaluation results to allow documenting the details on bitrates, latencies and qualities.
  + And finally, I expect that the scenarios will add the interoperability topics
    - Jiayi: agree, will fix.
* Rajan:
  + Next years ⇒ “next few years” should be fixed somehow. Just editorial
  + Agree with Serhan, that we have scenarios for which we have no formats
* Ralf:
  + Scenario should be first, not the formats. Also linked to scenario templates.
  + Jiayi: Details would be added to the template
* Thomas: I consider the formats more a definition to use common terminology in the submission in the scenario rather than being submitted completely independently. In the scenarios there should be a reference to the formats that are well defined.
* Saba: Scenarios should come first
  + Jiayi: Agree to start with the scenarios, but we also should work on the formats in parallel.

**Decision:**

* Noted for now, but expect an update to address the comments. Let’s make sure that we get an agreeable version in place.

[**S4aV240004**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/Docs/S4aV240004.zip) is **noted**.

|  |  |  |  |
| --- | --- | --- | --- |
| [**S4aV240002**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/Docs/S4aV240002.zip) | [FS\_Beyond2D] Proposed Work Plan | China Mobile Com. Corporation | Jiayi Xu |

**Presenter**: Jiayi Xu

**Discussion:**

* Ralf:
  + It says other documents are not encouraged to be submitted. Does it include formats as well?
  + Jiayi: I will update accordingly.
* Serhan:
  + Consider that the timeline is too aggressive.
  + Rajan agrees
  + Jiayi: Scenarios can be short.
  + Gilles: can extend the deadline for scenarios for later.
* Thomas:
  + Target should be added beforehand
  + Do not say that documents will not be treated
  + Also allow scenarios to be agreed in August, but a first set may be agreed in May.
  + Also we should check where we address the logistics of test sequences.
* Ralf:
  + Concerned, that collecting test sequences will be addressed by May. This seems not possible.
  + Jiayi: test sequences can be collected after the scenario is completed.

**Decision:**

* Take into account the comments from above and expect revision

[**S4aV240002**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/Docs/S4aV240002.zip) is **noted**.

|  |  |  |  |
| --- | --- | --- | --- |
| [**S4aV240003**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/Docs/S4aV240003.zip) | [FS\_ Beyond2D] Draft Scenario Template | China Mobile Com. Corporation | Yujian Yin |

**Presenter**: Yujian Yin

**Discussion:**

* Rajan: change to next few years => ok
* Ralf: Is there more time for test sequences or only by may?
  + Yujian: yes there is
* Thomas:
  + Unclear if this exactly the same template as TR 26.955
    - This is the same
  + We should only add specs, not TRs
  + Clause 7 would require more details, whether evaluation is possible by subjective means. How is the evaluation been done? Is it measured pre or post rendering. Please ask for more details.
  + Ralf: May check with originating bodies.
  + Yujian: can be added to external body results
* Ralf: text in blue indicative
  + Thomas: not really, this is aligned with TR 26.955
  + Ralf: some aspects should be strongly encouraged.
  + Thomas: agree, but this is not a spec. It is just a guidance to make it more easily agreeable.
  + We add some text to explain what the blue text is about.
* Thomas:
  + Would like to see some statement on the metrics to ensure that the subjective performance and the objective performance aligns.
  + Ralf: Why not for 2D?
  + Thomas: for 2D people know exactly how to use and interpret the metrics.

**Decision:**

* Agreed in principle - online edits

[**S4aV240003**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/Docs/S4aV240003.zip) is **agreed**.

## 4.10 Close of the session

### 4.10.1 Any other business

none

### 4.10.2 Review of the future work plan

This was the last session prior to SA4#127-bis-e

### 4.10.3 Report

The report will be sent directly to 3GPP SA4 meeting.

4.10.4 Close of the session

The meeting was closed at 16:45 CET.

Telco Participants

43 participants

|  |  |
| --- | --- |
| **Name** | **Company** |
| **Alexis Tourapis** | **Apple** |
| **Dimitri Podborski** | **Apple** |
| **James Hu** | **AT&T** |
| **Jan Outters** | **Ateme** |
| **Yujian Yin** | **China Mobile** |
| **Jiayi Xu** | **China Mobile** |
| **Brian Lee** | **Dolby** |
| **Frédéric Gabin** | **Dolby (SA4 chair)** |
| **Gerhard Tech** | **Fraunhofer HHI** |
| **Yongjing Zhang** | **Huawei** |
| **Qi Pan** | **Huawei** |
| **Rufael Mekuria** | **Huawei** |
| **Gaëlle Martin-Cocher** | **InterDigital** |
| **Stéphane Onno** | **InterDigital** |
| **Ahmed Hamza** | **InterDigital** |
| **Srinivas Gudumasu** | **InterDigital** |
| **Loïc Fontaine** | **InterDigital** |
| **Ralf Schaefer** | **InterDigital** |
| **Razvan Andrei Stoica** | **Lenovo** |
| **Woosuk Kwon** | **LGE** |
| **Lulin Chen** | **Mediatek** |
| **Serhan Gül** | **Nokia** |
| **Igor Curcio** | **Nokia** |
| **Gazi Illahi** | **Nokia** |
| **Saba Ahsan** | **Nokia** |
| **Justin Ridge** | **Nokia** |
| **Shane He** | **Nokia** |
| **Julien Lemotheux** | **Orange** |
| **Bart Kroon** | **Philips** |
| **Thomas Stockhammer** | **Qualcomm** |
| **Imed Bouazizi** | **Qualcomm** |
| **Shilin Ding** | **Qualcomm** |
| **Eric Yip** | **Samsung** |
| **Madhukar Budagavi** | **Samsung** |
| **Rajan Laxman Joshi** | **Samsung** |
| **Prakash Reddy Kolan** | **Samsung** |
| **Paul Szucs** | **Sony** |
| **Diego Gibellino** | **Telecom Italia** |
| **Gilles Teniou** | **Tencent** |
| **Elmira Ramazanirend** | **Vodafone** |
| **Emmanuel Thomas** | **Xiaomi** |
| **Emmanouil Potetsianakis** | **Xiaomi** |
| **Chris Steck** | **Xperi** |

# Annex A - The documents status

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Tdoc number** | Title | Source | SWG Agenda Item | Replaced by | SWG Status | SA4 A.I. for Tdocs presented at SA4 plenary\* |
| [**S4aV240001**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/Docs/S4aV240001.zip) | [FS\_Beyond2D] Draft TR 26.956 Beyond 2D Video v0.0.1 | China Mobile Com. Corporation | 4.9 | [**S4aV240004**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/Docs/S4aV240004.zip) | revised |  |
| [**S4aV240002**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/Docs/S4aV240002.zip) | [FS\_Beyond2D] Proposed Work Plan | China Mobile Com. Corporation | 4.9 |  | noted |  |
| [**S4aV240003**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/Docs/S4aV240003.zip) | [FS\_ Beyond2D] Draft Scenario Template | China Mobile Com. Corporation | 4.9 |  | agreed |  |
| [**S4aV240004**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/Docs/S4aV240004.zip) | [FS\_Beyond2D] Draft TR 26.956 Beyond 2D Video v0.0.1 | China Mobile Com. Corporation | 4.9 |  | noted |  |
| [**S4aV240005**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/Docs/S4aV240005.zip) | Proposed agenda for SA4 VIDEO SWG conf. call (March 26th, 2024 | VIDEO SWG Chair (Tencent) | 4.1 |  | approved |  |
| **S4av240006** | VIDEO SWG telco report 26th March 2024 | VIDEO SWG Chair (Tencent) | 4.2 |  | noted |  |

1. Gilles TENIOU, Tencent ; teniou@global.tencent.com [↑](#footnote-ref-1)