3GPP SA4-e (AH) Video SWG post 130

# 3 VIDEO SWG

## 3.1 Opening of the meeting and Approval of Agenda

### 3.1.1 Opening of the meeting

Gilles Teniou (Tencent, SA4 Video SWG chair) opens the session on Dec 18, 2024 at 15:00 CEST.

Details of the meeting can be found here:

* Overview: https://portal.3gpp.org/Home.aspx#/meeting?MtgId=60824
* TDocs: <https://portal.3gpp.org/ngppapp/TdocList.aspx?meetingId=60824>
* [Download TDoc list (Excel)](https://portal.3gpp.org/ngppapp/GenerateDocumentList.Aspx?meetingId=60824)

Schedule:

* Dec 18, 2024, 15:00 – 17:00 CET, Host: Qualcomm (submission deadline Dec 17, 2024, 1500 CET), except FS\_AI4Media
* Jan 14, 2025, 15:00 – 17:00 CET, Host: Qualcomm (submission deadline Jan 13, 2024, 1500 CET)

The minutes are shared online: [3GPP SA4-e (AH) Video SWG post 130](https://docs.google.com/document/d/1WE-J93h9H5Vl59HAbolGiZ5T5hJqgqxyk25FrWIisSg/edit?usp=sharing)

December 18, 2024

* Thomas Stockhammer (Qualcomm) and Mary-Luc Champel (Xiaomi) are assigned as scribes.
* Single report for the entire post SA4#130-post Video SWG

### 3.1.2 Registration of Documents

The following documents were registered for December 18:

| **TDoc** | **Title** | **Source** | **Agenda item** |
| --- | --- | --- | --- |
| [**S4aV250001**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/3GPP_SA4_AHOC_MTGs/SA4_VIDEO/Docs/S4aV250001.zip) | Editorial improvements to TR 26.926 | Huawei, Hisilicon | 3.4 |
| [**S4aV250002**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/3GPP_SA4_AHOC_MTGs/SA4_VIDEO/Docs/S4aV250002.zip) | pCR on scenario Streaming of Multi-view Produced Content | Philips International B.V. | 3.8 |
| [**S4aV250003**](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/3GPP_SA4_AHOC_MTGs/SA4_VIDEO/Docs/S4aV250003.zip) | Proposed agenda for SA4 VIDEO SWG conf. call (Dec. 18th, 2024) | VIDEO SWG Chair (Tencent) | 3.1 |

The following documents were registered for January 14:

3.1.3 Approval of Agenda

| [S4aV250003](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/3GPP_SA4_AHOC_MTGs/SA4_VIDEO/Docs/S4aV250003.zip) | Proposed agenda for SA4 VIDEO SWG conf. call (Dec. 18th, 2024) | VIDEO SWG Chair (Tencent) | Gilles Teniou |
| --- | --- | --- | --- |

[S4aV250003](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/3GPP_SA4_AHOC_MTGs/SA4_VIDEO/Docs/S4aV250003.zip) is **approved**.

## 3.2 IPR and Antitrust Reminder

The chairman read the antitrust and IPR clause at the opening of each session.

<https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/3GPP_SA4_AHOC_MTGs/SA4_VIDEO/Inbox/Drafts/IPR%20%26%20Competition%20Law/SA4-VIDEO-SWG-IPR-CompetionLaw.pptx>

*"The attention of the delegates to the meeting of this SWG was drawn to the fact that 3GPP Individual Members have the obligation under the IPR Policies of their respective Organizational Partners to inform their respective Organizational Partners of Essential IPRs they become aware of.*

*The delegates were asked to take note that they were thereby invited:*

* *to investigate whether their organization or any other organization owns IPRs which were, or were likely to become Essential in respect of the work of 3GPP.*
* *to notify their respective Organizational Partners of all potential IPRs, e.g., for ETSI, by means of the IPR Information Statement and the Licensing declaration forms "*

*"The attention of the delegates to the meeting was drawn to the fact that 3GPP activities were subject to all applicable antitrust and competition laws and that compliance with said laws was therefore required by any participant of the meeting, including the Chair and Vice-Chairs and were invited to seek any clarification needed with their legal counsel. The leadership would conduct the present meeting with impartiality and in the interests of 3GPP. Delegates were reminded that timely submission of work items in advance of TSG/WG/SWG meetings was important to allow for full and fair consideration of such matters."*

## 3.3 Reports/Liaisons from other groups/meetings

### 3.3.1 Reports from previous meetings

none

3.4 CRs to Features in Release 18 and earlier

| [S4aV250001](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/3GPP_SA4_AHOC_MTGs/SA4_VIDEO/Docs/S4aV250001.zip) | Editorial improvements to TR 26.926 | Huawei, Hisilicon | Rufael Mekuria |
| --- | --- | --- | --- |

**Presenter**: Rufael Mekuria

**Online Discussion**: December 18, 2024

* Fred : Should apply to Rel19, not Rel18.
	+ Need to update a few info in table (impact, Group)
* Thomas : Why removing Nvidia product info ?
	+ Rufael : not wrong per se but avoid reference to commercial products
	+ Gilles : we can indicate commercial products but avoid promotion
	+ Thomas : it is important to show what is used in commercial products.
	+ Rufael : it looks like promotion.
	+ Waqar, Mary-Luc : it is an important evidence. More evidences would be nice but we should not remove the one we already have.
	+ Gilles : we encourage Huawei to bring information about other evidences

**Decision**:

* 2024-12-18: keep Nvidia example and provide a revised version

[S4aV250001](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/3GPP_SA4_AHOC_MTGs/SA4_VIDEO/Docs/S4aV250001.zip) is **revised**.

## 3.5 VOPS (Video Operating Points - Harmonization and Stereo MV-HEVC)

*WID:* [*SP-240060*](https://www.3gpp.org/ftp/tsg_sa/TSG_SA/TSGS_103_Maastricht_2024-03/Docs/SP-240060.zip) *New WID on ‘Video Operating Points - Harmonization and Stereo MV-HEVC’*

none

## 3.6 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

## 3.7 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.

## 3.8 FS\_Beyond2D (Study on Beyond 2D Video)

*WID:* [*SP-240479*](https://www.3gpp.org/ftp/tsg_sa/TSG_SA/TSGS_103_Maastricht_2024-03/Docs/SP-240479.zip) *New SID on Feasibility Study on Beyond 2D Video*

| [S4aV250002](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/3GPP_SA4_AHOC_MTGs/SA4_VIDEO/Docs/S4aV250002.zip) | pCR on scenario Streaming of Multi-view Produced Content | Philips International B.V. | Bart Kroon |
| --- | --- | --- | --- |

**Presenter**:Bart Kroon

**Online Discussion**: December 18, 2024

* Jiayi : usage of multi-view video and immersive video together may bring confusion.
	+ Bart : will replace everything with multi-view video
* Jiayi : content will be one person only or other types
	+ Bart : content will be scenes : background + people + objects, i.e. multiple assets.
* Jiayi : about interoperability considerations, remove company names in TR/TS
	+ Bart : we can remove company names and just add a reference to the demo
* Thomas : There is no clear scenario identified, just a use of technologies
* Thomas : why would you use AI and CGI ro produce MIV. Other formats are likely to be more appropriate. Where does MIV content come from ? Who would use AI and CGI to produce MIV and why ?
	+ Bart : This would allow protecting 3D assets. It is possible to remove AI/CGI production part if requested.
* Thomas : the description lacks clear evidence of such usages.
* Waqar : Comments are only partially addressed. Why would MV-HEVC be excluded? Where is market relevance.
	+ Bart : regarding MV-HEVC, it was removed at Orlando meeting, on request.
* Mary-Luc : Since the focus is multi-view video, AI/CGI production should not be kept unless there is clear explanation how it is used.
	+ Bart : fine with removing AI/CGI production
* Gilles : the request is to provide motivation about why AI/CGI could be used
* Imed : There are other solutions to protect your 3D assets.
* Gilles : The supporters need to work on the motivation for such scenario using AI/CGI.

**Decision**:

* 2024-12-18: Revision is expected to answer questions raised.

[S4aV250002](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/3GPP_SA4_AHOC_MTGs/SA4_VIDEO/Docs/S4aV250002.zip) is **noted**.

## 3.9 - FS\_ARSpatial (Study on Spatial Computing for AR Services)

*WID:* [*SP-240927*](https://www.3gpp.org/ftp/TSG_SA/TSG_SA/TSGS_104_Shanghai_2024-06/Docs/SP-240927.zip) *New SID on Feasibility Study on Spatial Computing for AR Services*

No documents

## 3.10 Others including TEI

No documents.

## 3.11 Close of the session

### 3.11.1 Any other business

none

3.11.2 Close of the session

The December 18 meeting was closed at 16:34 CET.

### 3.11.3 Post-Meeting Stats

#### 3.11.3.1 December 18, 2024

| Meeting title | 3GPP SA4 Video SWG Telco post SA4#130 (1) |
| --- | --- |
| Attended participants | 32 |
| Start time | 12/18/24, 2:52:55 PM |
| End time | 12/18/24, 4:34:15 PM |
| Meeting duration | 1h 41m 19s |
| Average attendance time | 55m 20s |

#### 3.11.3.2 January 14, 2025

### 3.11.4 Attendees

#### 3.11.4.1 December 18, 2024

| Name | First Join | In-Meeting Duration | Email |
| --- | --- | --- | --- |
| Thomas Stockhammer | 12/18/24, 3:00:47 PM | 1h 47s | tsto@qti.qualcomm.com |
| Chunshan Xiong - CATT  | 12/18/24, 2:53:11 PM | 1h 8m 13s |  |
| Teniou Gilles | 12/18/24, 2:56:47 PM | 1h 4m 45s | teniou@global.tencent.com |
| Kroon, Bart | 12/18/24, 2:58:16 PM | 1h 3m 10s | bart.kroon@philips.com |
| Jiayi - CMCC (来宾) | 12/18/24, 2:58:43 PM | 45m 47s |  |
| Mauricio Aracena  | 12/18/24, 2:59:09 PM | 1h 2m 9s | mauricio.aracena@ericsson.com |
| Ralf Schaefer  | 12/18/24, 2:59:16 PM | 1h 2m 8s | Ralf.Schaefer@InterDigital.com |
| Emmanouil Potetsianakis  | 12/18/24, 2:59:41 PM | 1h 1m 46s | emmanouil@xiaomi.com |
| Saba Ahsan (Nokia)  | 12/18/24, 2:59:46 PM | 1h 1m 40s | saba.ahsan@nokia.com |
| Champel MaryLuc | 12/18/24, 3:00:15 PM | 1h 1m 10s | champelmaryluc@xiaomi.com |
| LEMOTHEUX Julien | 12/18/24, 3:00:15 PM | 1h 1m 7s | julien.lemotheux@orange.com |
| Ying Hu - ZTE  | 12/18/24, 3:00:33 PM | 1h 52s |  |
| Tech, Gerhard | 12/18/24, 3:00:35 PM | 1h 5m 17s | gerhard.tech@hhi.fraunhofer.de |
| Szucs, Paul | 12/18/24, 3:00:42 PM | 1h 38s | Paul.Szucs@sony.com |
| Rufael Mekuria [Huawei]  | 12/18/24, 3:00:54 PM | 1h 24s |  |
| Lee, Brian  | 12/18/24, 3:00:56 PM | 1h 25s | Brian.Lee@dolby.com |
| Qi Pan--Huawei  | 12/18/24, 3:01:09 PM | 1h 15s |  |
| Madhukar Budagavi | 12/18/24, 3:01:15 PM | 1h 33m | m.budagavi@samsung.com |
| Gabin, Frederic  | 12/18/24, 3:01:24 PM | 59m 59s | Frederic.Gabin@dolby.com |
| João Regateiro  | 12/18/24, 3:02:30 PM | 59m 37s | Joao.Regateiro@InterDigital.com |
| Jee Young Kim | 12/18/24, 3:02:50 PM | 2s | jy1221.kim@lge.com |
| Jeeyoung Kim (LGE)  | 12/18/24, 3:02:57 PM | 58m 32s |  |
| Celine Guede  | 12/18/24, 3:03:26 PM | 58m 1s | Celine.Guede@InterDigital.com |
| Imed Bouazizi | 12/18/24, 3:04:00 PM | 57m 22s | BOUAZIZI@qti.qualcomm.com |
| Waqar Zia (Apple)  | 12/18/24, 3:04:22 PM | 57m 13s |  |
| Gauntlett, Simon  | 12/18/24, 3:04:23 PM | 56m 57s | Simon.Gauntlett@dolby.com |
| Shilin Ding | 12/18/24, 3:07:46 PM | 9s | shilding@qti.qualcomm.com |
| Lulin Chen | 12/18/24, 3:11:34 PM | 49m 44s | Lulin.Chen@mediatek.com |
| Alexandros Tourapis (Apple Inc)  | 12/18/24, 3:15:44 PM | 45m 53s |  |
| Jiayi  | 12/18/24, 3:44:26 PM | 16m 59s |  |
| Serhan Guel (Nokia)  |  |  | serhan.guel@nokia.com |
| Shane He (Nokia)  |  |  | shane.he@nokia.com |

#### 3.11.4.2 January 14, 2025