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

**Title: MBS SWG Tdoc allocation at SA4#111-e**

## Document for: Information

## Agenda Item: 8

**Legend for Tdocs:**

* **Color: not-yet processed**, **processed**, **late**, **~~withdrawn~~**, **moved to a different A.I.**, **under email agreement**
* a agreed, app approved, n noted, pa partially agreed, np not pursued, pp postponed…

|  |  |  |
| --- | --- | --- |
| 8 | Multicast-Broadcast-Streaming (MBS) SWG |  |
| 8.1 | Opening of the session |  |
| 8.2 | Registration of documents |  |
| 8.3 | Reports/Liaisons from other groups/meetings | 1460 (RAN3) -> MBS SWG reply in 1367->1576, 1368n (NR QoE),1461 (SA2 / Data collection) -> MBS SWG reply in 1439->1571 (pwr to app)1463 (SA5 / QoE) -> MBS SWG -> reply in 15721315n, 1438n1462 (SA2/ 5G MBS) -> MBS SWG reply in 1573 (pwr to app)1458 (ETSI JTC Broadcast) -> MBS SWG |
| 8.4 | Issues for immediate consideration |  |
| 8.5 | CRs to features in Release 16 and earlier | 26.501: 1351->1495a, 1353->1575a, 1359a, 1366a (conflict), 1429->1569->158226.512: 1306->1577, 1305a, 1342->1579, 1363m (->1581), 1365, 1408, 1432m (->1581), 1433->1580, 1434, 1435, 1436, 1437, 1440, 1452, 1476, 1486, 1581 (cum. corrections CR)26.346: 1360, 1383 (see 1458),26.234: 1474a1380, 1381, 1382~~1304~~ |
| 8.6 | FS\_5GMS\_Multicast (Feasibility Study on Multicast Architecture Enhancements for 5GMSA) | Arch: [1385, 1387, 1427, 1441, 1470] (email): summary in 1568aHybrid: 1386TR KIs: 1384, 1469, 1493TP: 1443~~1426~~ |
| 8.7 | FS\_EMSA (Feasibility Study on Streaming Architecture extensions For Edge processing) | TR: 1352 (telco)UC: 1354 (telco), 1388 (to be revised), 1454->1570 (telco), 1488n, 1489aEdge: 1364, 1373, 1415,Arch.: 1316, 1446, 1456, 14571310, 1311, 1312, 1313, 1314, 1355~~1424~~ |
| 8.8 | New Work / New Work Items and Study Items | 1375 (Adaptive Streaming Content Preparation Template)1430\* (Traffic identification)1431\* (New SID 5GMS Stage 3) |
| 8.9 | Others including TEI | 1356 (Exposure and other 5GMS3 Extensions)1358 (Aligning M1 API with AF Event Exposure Service for Metrics Reporting) |
| 8.10 | Review of the future work plan (next meeting dates, hosts) |  |
| 8.11 | Any Other Business |  |
| 8.12 | Close of the session |  |
| 12 | LSs received during the meeting and Postponed Liaisons (from A. I. 5) |  |
| 13 | Reports and general issues from sub-working-groups |  |
| 13.2 | MBS SWG |  |
| 14 | CRs to features in Release 16 and earlier |  |
| 15 | Release 17 Features |  |
| 15.7 | TEI17 and any other Rel-17 documents |  |
| 16 | Study Items |  |
| 16.1 | FS\_5GMS\_Multicast (Feasibility Study on Multicast Architecture Enhancements for 5GMSA) |  |
| 16.3 | FS\_EMSA (Feasibility Study on Streaming Architecture extensions For Edge processing) |  |
| 17 | Work Items and Study Items under the responsibility of other TSGs/WGs impacting SA4 work |  |
| 18 | New Work / New Work Items and Study Items |  |
| 19 | Postponed issues |  |
| 20 | Review of the future work plan (next meeting dates, hosts) |  |

Documents status

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **TDoc** | **Title** | **Source** | **For** | **SWG Agenda item** | **TDoc Status** | **Revised to** | **Plenary Agenda item** |
| S4-201304 | Corrections to align with TS 26.512 v16.0.0 | BBC | Approval | 8.5 | withdrawn |  |  |
| [**S4-201305**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_111-e/Docs/S4-201305.zip) | Editorial corrections to TS 26.512 | BBC | Agreement | 8.5 | **available** |  |  |
| [**S4-201306**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_111-e/Docs/S4-201306.zip) | TS 26.512 snags | BBC | Information | 8.5 | **Revised** | **S4-201577** | - |
| S4-201310 | Discussion on LSin from SA2 eNA Study | OPPO | Agreement | 8.7 | reserved |  |  |
| S4-201311 | Discussion on LSin from SA2 eNA Study | OPPO | Agreement | 8.7 | reserved |  |  |
| S4-201312 | Discussion on LSin from SA2 eNA Study | OPPO | Agreement | 8.7 | reserved |  |  |
| S4-201313 | Potential Architecture Extension for AI Model Downloading | OPPO | Agreement | 8.7 | reserved |  |  |
| S4-201314 | Discussion on LSin from SA2 eNA Study | Guangdong OPPO Mobile Telecom. | Agreement | 8.7 | reserved |  |  |
| [**S4-201315**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_111-e/Docs/S4-201315.zip) | Discussion on LSin from SA2 eNA Study | OPPO | Agreement | 8.7 | **Noted** |  | - |
| [**S4-201316**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_111-e/Docs/S4-201316.zip) | Potential Architecture Extension for AI Model Downloading | OPPO | Agreement | 8.7 | **available** |  |  |
| [**S4-201342**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_111-e/Docs/S4-201342.zip) | CR on AT Commands for RAN-based Network Assistance | QUALCOMM Europe Inc. - Italy |  | 8.5 | **revised** | [**S4-201579**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1170105) |  |
| [**S4-201351**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_111-e/Docs/S4-201351.zip) | Corrections on Metrics | 3GPP MCC | Agreement | 8.5 | **revised** | [**S4-201495**](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1170105) | - |
| [**S4-201352**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_111-e/Docs/S4-201352.zip) | [EMSA] Updated TR 26.803 | QUALCOMM Europe Inc. - Italy |  | 8.7 | **available** |  |  |
| [**S4-201353**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_111-e/Docs/S4-201353.zip) | Corrections to align with TS 26.512 v16.0.0 | BBC | Approval | 8.5 | **revised** | S4-201575 | - |
| [**S4-201354**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_111-e/Docs/S4-201354.zip) | EMSA Use Case Walkthroughs | QUALCOMM Europe Inc. - Italy |  | 8.7 | **available** |  |  |
| [**S4-201355**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_111-e/Docs/S4-201355.zip) | Details on EMSA architecture mapping | QUALCOMM Europe Inc. - Italy |  | 8.7 | **available** |  |  |
| [**S4-201356**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_111-e/Docs/S4-201356.zip) | Exposure and other 5GMS3 extensions | QUALCOMM Europe Inc. - Italy |  | 8.9 | **available** |  |  |
| [**S4-201358**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_111-e/Docs/S4-201358.zip) | Aligning M1 API with AF Event Exposure Service for Metrics Reporting | Qualcomm Incorporated | Agreement | 8.9 | **available** |  |  |
| [**S4-201359**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_111-e/Docs/S4-201359.zip) | Corrections and Clarifications on Network Assistance | Qualcomm Incorporated, Sony Europe B.V. | Agreement | 8.5 | **agreed** |  |  |
| [**S4-201360**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_111-e/Docs/S4-201360.zip) | Correction on Subcarrier Spacing in USD for ROM Service Delivery | Qualcomm Incorporated | Agreement | 8.5 | **available** |  |  |
| [**S4-201363**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_111-e/Docs/S4-201363.zip) | Additions and Modifications to M1 API on Metrics Reporting Configuration | Qualcomm Incorporated | Agreement | 8.5 | **Merged (to S4-201581)** |  |  |
| [**S4-201364**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_111-e/Docs/S4-201364.zip) | Overview of concluded edge application server discovery solutions in SA2 | HUAWEI Technologies Japan K.K. | Agreement | 8.7 | **available** |  |  |
| [**S4-201365**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_111-e/Docs/S4-201365.zip) | Removal of Editor’s notes in 5GMS3 | HUAWEI Technologies Japan K.K. | Agreement | 8.5 | **available** |  |  |
| [**S4-201366**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_111-e/Docs/S4-201366.zip) | Corrections on Metrics Configuration and Reporting via 5G control plane | HUAWEI Technologies Japan K.K. | Agreement | 8.5 | **agreed** |  |  |
| [**S4-201367**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_111-e/Docs/S4-201367.zip) | [Draft] LS Reply on New service type of NR QoE | HUAWEI Technologies Japan K.K. | Agreement | 8.3 | **Revised** | S4-201576 | - |
| [**S4-201368**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_111-e/Docs/S4-201368.zip) | Discussion on potential impact from SID NR QoE from RAN3 | HUAWEI Technologies Japan K.K. | Agreement | 8.3 | **Noted** |  | - |
| [**S4-201373**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_111-e/Docs/S4-201373.zip) | FS\_EMSA: SA5 EAS management TR status and discussion | Tencent | Agreement | 8.7 | **available** |  |  |
| [**S4-201375**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_111-e/Docs/S4-201375.zip) | New Work Item proposal for “Content Preparation Template for adaptive streaming” | Tencent | Approval | 8.8 | **available** |  |  |
| [**S4-201380**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_111-e/Docs/S4-201380.zip) | Proposed Corrections to TS 26.511 | Qualcomm Incorporated | Agreement | 8.5 | **available** |  |  |
| S4-201381 | Proposed Corrections to TS 26.512 | Qualcomm Incorporated | Agreement | 8.5 | reserved |  |  |
| S4-201382 | Proposed Updates to Client APIs | Qualcomm Incorporated | Agreement | 8.5 | reserved |  |  |
| [**S4-201383**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_111-e/Docs/S4-201383.zip) | Feature Request for 5G Broadcast | Qualcomm Incorporated | Agreement | 8.5 | **available** |  |  |
| [**S4-201384**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_111-e/Docs/S4-201384.zip) | [FS\_5GMS\_Multicast] Key issue on re-use of MBMS service layer | Qualcomm Incorporated | Agreement | 8.6 | **available** |  |  |
| [**S4-201385**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_111-e/Docs/S4-201385.zip) | [FS\_5GMS\_Multicast] Proposed architecture based on discussion with SA2 | Qualcomm Incorporated | Agreement | 8.6 | **available** |  |  |
| [**S4-201386**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_111-e/Docs/S4-201386.zip) | [FS\_5GMS\_Multicast] Hybrid use case | Qualcomm Incorporated | Agreement | 8.6 | **available** |  |  |
| [**S4-201387**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_111-e/Docs/S4-201387.zip) | [FS\_5GMS\_Multicast] Interworking with EPC | Qualcomm Incorporated | Agreement | 8.6 | **available** |  |  |
| [**S4-201388**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_111-e/Docs/S4-201388.zip) | [FS\_EMSA] Betting on the edge | Qualcomm Incorporated | Agreement | 8.7 | **available** |  |  |
| [**S4-201408**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_111-e/Docs/S4-201408.zip) | Text on Procedures for Uplink Streaming | Qualcomm Incorporated | Agreement | 8.5 | **available** |  |  |
| [**S4-201415**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_111-e/Docs/S4-201415.zip) | FS\_EMSA: On EAS discovery | Samsung R&D Institute UK | Agreement | 8.7 | **available** |  |  |
| S4-201424 | Integrated EMSA Architecture | HUAWEI Technologies Japan K.K. | Agreement | 8.7 | withdrawn |  |  |
| [**S4-201426**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_111-e/Docs/S4-201426.zip) | Discussion for Mulitcast architecture based on 5GMSA and 5MBS | HUAWEI Technologies Japan K.K. | Agreement | 8.6 | **withdrawn** |  |  |
| [**S4-201427**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_111-e/Docs/S4-201427.zip) | Discussion for Mulitcast architecture based on 5GMSA and 5MBS | HUAWEI Technologies Japan K.K. | Agreement | 8.6 | **available** |  |  |
| [**S4-201429**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_111-e/Docs/S4-201429.zip) | Correction of Dynamic Policy Procedure | Ericsson LM | Agreement | 8.5 | **Revised** | **S4-201569** |  |
| [**S4-201432**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_111-e/Docs/S4-201432.zip) | Cumulative corrections of 5GMS3 APIs | Ericsson LM | Agreement | 8.5 | **Merged (to S4-201581)** |  |  |
| [**S4-201433**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_111-e/Docs/S4-201433.zip) | Correction of the missing SdfMethod type definition | Ericsson LM | Agreement | 8.5 | **Revised** | **S4-201580** |  |
| [**S4-201434**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_111-e/Docs/S4-201434.zip) | Correction of the missing “relevant uplink streaming API” table | Ericsson LM | Agreement | 8.5 | **available** |  |  |
| [**S4-201435**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_111-e/Docs/S4-201435.zip) | Correction of the missing CRUD operation notation | Ericsson LM | Agreement | 8.5 | **available** |  |  |
| [**S4-201436**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_111-e/Docs/S4-201436.zip) | Correction of the MediaPlayerEntry cardinality in the Service Access Information resource | Ericsson LM | Agreement | 8.5 | **available** |  |  |
| [**S4-201437**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_111-e/Docs/S4-201437.zip) | Correction of the Service Access Information subresource (URL) | Ericsson LM | Agreement | 8.5 | **available** |  |  |
| [**S4-201438**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_111-e/Docs/S4-201438.zip) | Discussion on LS on method for collection of data from the UE | Ericsson LM | Information | 8.3 | **Noted** |  | - |
| [**S4-201439**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_111-e/Docs/S4-201439.zip) | Draft LS reply on method for collection of data from the UE | Ericsson LM | Agreement | 8.3 | **revised** | S4-201571 | - |
| [**S4-201440**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_111-e/Docs/S4-201440.zip) | OpenAPI Implementation of M5 (yaml files) | Ericsson LM | Agreement | 8.5 | **available** |  |  |
| [**S4-201441**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_111-e/Docs/S4-201441.zip) | 5MBS Deployment Discussion | Ericsson LM | Agreement | 8.6 | **available** |  |  |
| [**S4-201443**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_111-e/Docs/S4-201443.zip) | Updated time and work plan FS\_5GMS\_Multicast | TELUS | Agreement | 8.6 | **available** |  |  |
| [**S4-201446**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_111-e/Docs/S4-201446.zip) | FS\_EMSA: Update and correction in Overview of Relevant Architectures | KPN N.V. | Agreement | 8.7 | **available** |  |  |
| [**S4-201452**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_111-e/Docs/S4-201452.zip) | Update on consumption reporting | ENENSYS, BBC | Agreement | 8.5 | **available** |  |  |
| [**S4-201454**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_111-e/Docs/S4-201454.zip) | FS\_EMSA: Update on the Edge Caching for Video Streaming use case | KPN N.V. | Agreement | 8.7 | **Revised** | **S4-201570** |  |
| [**S4-201456**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_111-e/Docs/S4-201456.zip) | Architectural Requirements for Edge Processing | Samsung Electronics Co., Ltd. |  | 8.7 | **available** |  |  |
| [**S4-201457**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_111-e/Docs/S4-201457.zip) | Architecture Requirements to Support EMSA Use Cases | Samsung Electronics Co., Ltd. | Agreement | 8.7 | **available** |  |  |
| [**S4-201469**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_111-e/Docs/S4-201469.zip) | pCR to TR26.802 on related multicast and broadcast work in 3GPP | TELUS, Huawei | Agreement | 8.6 | **available** |  |  |
| [**S4-201470**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_111-e/Docs/S4-201470.zip) | [FS\_5GMS\_Multicast] Scenarios and key issues for 5G MS multicast ingestion and distribtuion | TELUS | Discussion | 8.6 | **available** |  |  |
| [**S4-201474**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_111-e/Docs/S4-201474.zip) | Correction of reference to UAProf | Dolby Laboratories Inc. | Agreement | 8.5 | **agreed** |  |  |
| [**S4-201476**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_111-e/Docs/S4-201476.zip) | Bug Fixes on Metrics Reporting Functionality | Ericsson LM, Qualcomm Incorporated | Agreement | 8.5 | **available** |  |  |
| [**S4-201486**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_111-e/Docs/S4-201486.zip) | dCR 26.512-xxxx AF-based Network Assistance (Rel-16) | Sony Europe B.V., Ericsson LM | Agreement | 8.5 | **available** |  |  |
| [**S4-201488**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_111-e/Docs/S4-201488.zip) | pCR 26.803 Signage system | Sony Europe B.V. | Agreement | 8.7 | **noted** |  |  |
| [**S4-201489**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_111-e/Docs/S4-201489.zip) | pCR 26.803 User-generated live streaming | Sony Corporation | Agreement | 8.7 | **agreed** |  |  |
| [**S4-201493**](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_111-e/Docs/S4-201493.zip) | pCR 26.802 Multicast distribution in private networks | Sony Europe B.V. | Agreement | 8.6 | **available** |  |  |
| S4-201495 | Corrections on Metrics | 3GPP MCC | Agreement | 8.5 | agreed |  |  |
| S4-201568 | Summary of an 5MBS offline discussion | Ericsson. Qualcomm, BBC | Information | 8.6 | agreed |  |  |
| S4-201569 | Correction of Dynamic Policy Procedure | Ericsson LM | Agreement | 8.5 | Revised | S4-201582 |  |
| S4-201570 | FS\_EMSA: Update on the Edge Caching for Video Streaming use case | KPN N.V. | Agreement | 8.7 |  |  |  |
| S4-201571 | Draft LS reply on method for collection of data from the UE | Ericsson LM | Agreement | 8.3 |  |  |  |
| S4-201572 | Reply to SA5 LS (Gunnar) |  |  |  |  |  |  |
| S4-201573 | Reply to SA2 LS on 5MBS (Thorsten) |  |  |  |  |  |  |
| S4-201574 | Discussion on Nmbsf: review of xMB-C wrt user-plane properties | Ericsson LM | Discussion | 8.6 |  |  |  |
| S4-201575 | Corrections to align with TS 26.512 v16.0.0 | BBC | Approval | 8.5 | agreed |  |  |
| S4-201576 | [Draft] LS Reply on New service type of NR QoE | HUAWEI Technologies Japan K.K. | Agreement |  |  |  |  |
| S4-201577 | TS 26.512 snags | BBC | Information | 8.5 |  |  |  |
| S4-201578 | CR 26.501-0XXX rev0 Corrections and Clarifications on Metrics and Consumption Reporting (Rel-16) | Qualcomm Incorporated | Agreement | 8.5 |  |  |  |
| S4-201579 | CR on AT Commands for RAN-based Network Assistance | QUALCOMM Europe Inc. - Italy | Agreement | 8.5 |  |  |  |
| S4-201580 | Correction of the missing SdfMethod type definition | Ericsson LM | Agreement | 8.5 | **agreed** |  |  |
| S4-201581 | Cumulative corrections of 5GMS3 | Ericsson LM, […] | Agreement | 8.5 |  |  |  |
| S4-201582 | Correction of Dynamic Policy Procedure | Ericsson LM | Agreement | 8.5 |  |  |  |
| S4-201583 |  |  |  |  |  |  |  |
| S4-201584 |  |  |  |  |  |  |  |
| S4-201585 |  |  |  |  |  |  |  |
| S4-201586 |  |  |  |  |  |  |  |
| S4-201587 |  |  |  |  |  |  |  |
| S4-201588 |  |  |  |  |  |  |  |
| S4-201589 |  |  |  |  |  |  |  |
| S4-201590 |  |  |  |  |  |  |  |
| S4-201591 |  |  |  |  |  |  |  |
| S4-201592 |  |  |  |  |  |  |  |
| S4-201593 |  |  |  |  |  |  |  |
| S4-201594 |  |  |  |  |  |  |  |
| S4-201595 |  |  |  |  |  |  |  |
| S4-201596 |  |  |  |  |  |  |  |
| S4-201597 |  |  |  |  |  |  |  |
| S4-201598 |  |  |  |  |  |  |  |
| S4-201599 |  |  |  |  |  |  |  |
| S4-201600 |  |  |  |  |  |  |  |
| S4-201601 |  |  |  |  |  |  |  |
| S4-201602 |  |  |  |  |  |  |  |
| S4-201603 |  |  |  |  |  |  |  |
| S4-201604 |  |  |  |  |  |  |  |
| S4-201605 |  |  |  |  |  |  |  |
| S4-201606 |  |  |  |  |  |  |  |
| S4-201607 |  |  |  |  |  |  |  |
| S4-201608 |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |

1. **Frédéric Gabin** Email: frederic.gabin@dolby.com Tel (mobile): +33 678 44 85 75  
   Mailing Address: Dolby France, 18 rue de Londres, 75009 Paris, France [↑](#footnote-ref-1)