**Source: SA4 Chair[[1]](#footnote-1)**

**Title: SA4#129-e Tdoc allocation**

## Document for: Approval

## Agenda Item: 2

**Introduction**

The **SA4#129-e is an ordinary meeting held as an electronic meeting** and a regular agenda is proposed. This meeting counts toward maintenance of voting rights as stipulated in 3GPP WP article 35.4. Delegates should register prior to the start of the meeting.

**Agenda Items for Tdocs:**

# Input documents should be registered primarily for Agenda Items 6 and 7-10 and for A.I 15.11 (FS\_HapticsMed) and 17 (New work). Before registering documents to any other Agenda Items, consult with SA4 Chair.

# Each document must be registered under only one Agenda Item. If unclear what Agenda Item to use, consult with SA4 Chair and the relevant SWG Chair.

**Submission deadline:**

* Documents submitted after **Tuesday 13th August 2024 (23:59 CEST)** will be considered **LATE** and **will NOT be handled** during the meeting. (This submission deadline does not apply to SWG reports or other documents that must be prepared during the SA4 meeting)

**Legend for Tdocs:**

* **Color: not-yet processed**, **processed**, **late**, **~~withdrawn~~**, **moved to a different A.I.**, **under email agreement, postponed, agreed in SWG, output document.**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

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| --- | --- | --- |
| A.I. # | A.I. | Tdoc # |
| 1 | Opening of the meeting: Monday 19th August 2024, at 09:00 hours CEST | Slides: 1575n |
| 2 | Approval of the agenda and registration of documents | Agenda: 1456appTdoc allocation agreedSchedule: 1457->1629->1635aGuidelines: 1460n |
| 3 | IPR and antitrust reminder |  |
| 4 | Approval of previous meeting report | 1628app |
| 5 | Reports/Liaisons from other groups/meetings |  |
| 5.1 | SA4 SWG ad hoc meetings | SWG reports block-approvedRTC SWG: 1406appAudio SWG: 1458app, 1459app, 1573appMBS SWG: 1541, 1642, 1543, 1544Video SWG: 1546, 1547, 1548WI status: 1574->1636n |
| 5.2 | Other 3GPP groups | SA#104: 1545nIANA: 1411n (CT)FS\_XRM PH2:1412n (RAN2) -> RTC SWG -> Noted1415n (RAN3),1422 (SA2) -> RTC SWG reply in 1776appAL-FEC: 1413n (RAN2) -> RTC SWG -> NotedMulti-modality: 1414n (RAN2)TEI: 1417n (RAN)Metaverse:1418n (SA1) -> Video SWG -> Noted1423n (SA3) -> Video SWG -> Noted1424n (SA6) -> Video SWG -> NotedDC Binding:1419 (SA2) -> RTC SWG reply in 1671app1420pp (SA2) -> RTC SWG -> PostponedRedCap: 1421n (SA2) -> MBS SWG -> Noted~~1416~~ |
| 5.3 | Other groups | Str. Test suite: 1425n (CTA)LC3plus: 1427n (DECT) -> Audio SWG -> NotedNew studies : 1428n (ITU-T SG16), 1433n (SG16), 1434n (SG16)Metaverse: 1430n (FG-MV)TS.66: 1435 (GSMA) -> RTC SWG reply in 1684appMV-HEVC: 1461n (MPEG Sys.) -> Video SWG -> NotedAvatar: 1462pp (MPEG Sys.) -> Video SWG -> PostponedFCM: 1463 (MPEG Video) -> Video SWG replied to in 1745->1783appHaptics: 1464n (MPEG 3D) |
| 6 | Issues for immediate consideration | [VOPS, FS\_ACAPI] 3GPP Codecs as Web Codecs: 1479aSA4 WI: 1529m (into XXXX), XXXXpp (Fred)SA4 SWG: 1530a, 1568a (objection from Vodafone. Working Agreement), (Fred: response to SA action ,1) SWG) |
| 7 | Audio SWG |  |
| 7.1 | Opening of the session, registration of documents |  |
| 7.2 | IPR and antitrust reminder |  |
| 7.3 | CRs to completed features in Release 18 and earlier | 1485, 1531, 1539, 1569, 1570, 1582, 1583, 1584->1599, 1592 |
| 7.4 | Liaisons with other groups/meetings | 1598 |
| 7.5 | IVAS\_Codec\_Ph2 (EVS Codec Extension for Immersive Voice and Audio Services, Phase 2) | 1496, 1566, 1577 |
| 7.6 | FS\_DaCED (Feasibility Study on Diverse audio Capturing system for End-user Devices) | 1443, 1511, 1524 |
| 7.7 | FS\_ACAPI (Study on Audio Codec APIs) |  |
| 7.8 | Other Rel-19 matters including TEI |  |
| 7.9 | Any Other Business |  |
| 7.10 | Close of the session |  |
| 8 | Multicast-Broadcast-Streaming (MBS) SWG |  |
| 8.1 | Opening of the session, registration of documents |  |
| 8.2 | IPR and antitrust reminder |  |
| 8.3 | Liaisons with other groups/meetings |  |
| 8.4 | CRs to completed features in Release 18 and earlier | 1386, 1387, 1388, 1389, 1390, 1391, 1392, 1393, 1394, 1395, 1396, 1397, 1398, 1399, 1400, 1401, 1402, 1407, 1473, 1484, 1487, 1533, 1535, 1536, 1606 (with RTC SWG) |
| 8.5 | FS\_MeMe (Study on Media Messaging) | 1474, 1475, 1476, 1477 |
| 8.6 | FS\_AMD (Study on Advanced Media Delivery) | 1465, 1466, 1467, 1468, 1469, 1470, 1471, 1472, 1512, 1513, 1521, 1534, 1540, 1571, 1572, 1587, 1588, 1609, 1614, 1616, 16241622, 1621, 1623, 1624 |
| 8.7 | FS\_MediaEnergyGREEN (Study on Media enerGy consumption exposuRE and EvaluatioN framework) | 1409, 1410, 1431, 1432, 1495, 1537, 1559, 1560, 1561 |
| 8.8 | Other Rel-19 matters including TEI | 1612, 1613 |
| 8.9 | Review of the future work plan (next meeting dates, hosts) |  |
| 8.10 | Any Other Business |  |
| 8.11 | Close of the session |  |
| 9 | Video SWG |  |
| 9.1 | Opening of the session, registration of documents |  |
| 9.2 | IPR and antitrust reminder |  |
| 9.3 | Liaisons with other groups/meetings |  |
| 9.4 | CRs to completed features in Release 18 and earlier |  |
| 9.5 | VOPS (Video Operating Points - Harmonization and Stereo MV-HEVC) | 1525, 1526->1625, 15271528, 1478, 1480 |
| 9.6 | FS\_AI4Media (Feasibility Study on Artificial Intelligence (AI) and Machine Learning (ML) for Media) | 1440, 1508, 1551, 1552, 1553, 1554, 1555, 1556, 1557, 1558, 1578, 1586, 15971563, 1580 |
| 9.7 | FS\_FGS (Feasibility Study on Film Grain synthesis) | 1482, 1483, 1596 |
| 9.8 | FS\_AVATAR (Feasibility Study on Avatars for Real-Time Communication) | 1489, 1509, 1515, 1516, 1517, 1565, 1590, 1591, 1593 |
| 9.9 | FS\_Beyond2D (Study on Beyond 2D Video) | 1481, 1488, 1491, 1492, 1493, 1494, 1518, 1519, 1520, 1601->1604, 1618, 1620 |
| 9.10 | FS\_ARSpatial (Study on Spatial Computing for AR Services) | 1605, 1607, 1608 |
| 9.11 | Other Rel-19 matters including TEI |  |
| 9.12 | Liaisons and Liaison Responses |  |
| 9.13 | Any Other Business |  |
| 9.14 | Close of the session |  |
| 10 | Real-Time Communications (RTC) SWG |  |
| 10.1 | Opening of the session, registration of documents |  |
| 10.2 | IPR and antitrust reminder |  |
| 10.3 | Reports and liaisons from other groups | 1454 (reply to 1422), 1522 (reply to 1422), 1617 (reply to 1413), 1619 (reply to 1413) |
| 10.4 | CRs to completed features in Release 18 and earlier | 1385, 1408, 1441, 1455, 1602, 1603 |
| 10.5 | SR\_IMS (Split rendering over IMS) | 1514, 1532, 1550, 1564, 16151562 |
| 10.6 | FS\_5G\_RTP\_Ph2 (Study of 5G Real-time Transport Protocol Configurations, Phase 2) | 1405, 1439, 1444, 1445, 1447, 1448, 1449, 1450, 1451, 1452, 1453, 1486, 1497, 1498, 1499, 1501, 1502, 1503, 1523, 1538, 1589, 1610, 1611~~1500, 1579, 1581~~ |
| 10.7 | Other Rel-19 matters including TEI | 1442 |
| 10.8 | Any Other Business |  |
| 10.9 | Close of the session |  |
| 11 | LSs received during the meeting and Postponed Liaisons (from A. I. 5) | 1713pp (also in RTC SWG ad hoc telco)1730n1733n |
| 12 | Reports and general issues from sub-working-groups |  |
| 12.1 | Audio SWG | 1778app, Tdoc status transfer approved |
| 12.2 | MBS SWG | 1773->1781app, Tdoc status transfer approved |
| 12.3 | Video SWG | 1664app, Tdoc status transfer approved |
| 12.4 | RTC SWG | 1777app, Tdoc status transfer approved |
| 13 | CRs to completed features in Release 18 and earlier | 26.247: 1386aFor block agreement at 1640 CEST Friday 23rd August 2024All agreed26.501: 1387, 1644, 1473, 148426.510: 1645, 1390, 1646, 1648, 1393, 1726, 168526.512: 1394, 1396, 1487, 1727, 139526.532; 1397, 139826.502: 1399&140026.517: 1401&140226.234: 140726.265: 1719--For block agreement at 1640 CEST Friday 23rd August 2024All agreed **26.113: 1673, 1683, 1654**  **26.114: 1408**  **26.506: 1681, 1741** 26.264: 1455--For block agreement at 1640 CEST Friday 23rd August 2024All agreed26.255: 148526.250: 164126.996: 164026.114: 163726.252: 163826.258: 163326.253: 163226.997: 163426.256: 1642--LS: 1701app26.114: 1788a |
| 14 | Release 19 Features |  |
| 14.1 | SR\_IMS (Split rendering over IMS) | **TS: 1739a TP: 1737a**  **Progress: 15% -> 25% (03/25)** |
| 14.2 | VOPS (Video Operating Points - Harmonization and Stereo MV-HEVC) | **26.265: 1669a** TP: 1706aProgress: 10% -> 20% (03/25) |
| 14.3 | IVAS\_Codec\_Ph2 (EVS Codec Extension for Immersive Voice and Audio Services, Phase 2) | TP: 1690aProgress: 0% -> 5% (06/25) |
| 15 | Study Items |  |
| 15.1 | FS\_DaCED (Feasibility Study on Diverse audio Capturing system for End-user Devices) | 26.933: 1666->1787a (->Audio SWG Ad hoc telco), 1668nProgress: 85% -> (100% at the telco) (09/24) |
| 15.2 | FS\_ACAPI (Study on Audio Codec APIs) | Progress: 10% -> 10% (03/25) |
| 15.3 | FS\_MeMe (Study on Media Messaging) | 26.841: 1653aTP: 1474aProgress: 10% -> 30% (03/25) |
| 15.4 | FS\_AMD (Study on Advanced Media Delivery) | TP: 1670aProgress: 15% -> 30% (12/24)~~1576, 1585~~ |
| 15.5 | FS\_AI4Media (Feasibility Study on Artificial Intelligence (AI) and Machine Learning (ML) for Media) | **26.927: 1662a**  **PD: 1717a**  **26.847: 1643a**  **Evaluation PD: 1716a** TP: 1707aProgress: 75% -> 78% (03/25) |
| 15.6 | FS\_FGS (Feasibility Study on Film Grain synthesis) | **SID: 1720a** TR+cover page: 1750aProgress: 30% -> 100% (03/25 -> 09/24) |
| 15.7 | FS\_AVATAR (Feasibility Study on Avatars for Real-Time Communication) | **26.813: 1696->1784a**  **PD: 1695a** TP: 1694aProgress: 50% -> 55% (12/24->03/25) |
| 15.8 | FS\_Beyond2D (Study on Beyond 2D Video) | **26.956: 1721a**  **PD: 1714a** TP: 1712aProgress: 10% -> 17% (03/25) |
| 15.9 | FS\_MediaEnergyGREEN (Study on Media enerGy consumption exposuRE and EvaluatioN framework) | TR: 1736aTP: 1656aProgress: 15% -> 30% (03/25)~~1426, 1429~~ |
| 15.10 | FS\_5G\_RTP\_Ph2 (Study of 5G Real-time Transport Protocol Configurations, Phase 2) | **LS out on FEC (SA2): 1767->XXXXapp**  **TP: 1754a** TR: 1672a (for info)Progress: 65% |
| 15.11 | FS\_HapticsMed (Study on Haptics in 5G Media Services) | SID: 1403->1765a,TP: 1404->1766a,26.854: 1490a, 1504->1770a, 1505->1771a, 1506a, 1507->1769a 1510m (1594), 1594n, 1595->1761a, 1772nProgress: 15% (03/25) |
| 15.12 | FS\_ARSpatial (Study on Spatial Computing for AR Services) | **26.819: 1768a** TP: 1734aProgress: 10% (06/25) |
| 16 | Work Items and Study Items under the responsibility of other TSGs/WGs impacting SA4 work |  |
| 17 | New Work / New Work Items and Study Items | ATIAS Ph2: 1549->1702pp (for agreement at Audio SWG Ad hoc telco)FS\_iRTCW\_Ph2: 1436->1779a, 1437n, 1438->1780nDaCAS: 1567->1627->1782pp (Audio SWG ad hoc telco 2nd Sep.)1626 |
| 18 | Postponed issues |  |
| 19 | Review of the future work plan (next meeting dates, hosts) | Audio SWG ad hoc telcos:  1. **Audio SWG telco on FS\_DaCED, New Work (ATIAS\_Ph2, DaCAS): Monday September 2, 2024 1530 – 1830 CEST(host: HEAD acoustics GmbH**   **Tdoc submission deadline: Wednesday August 28, 2024 (15:30 CEST))**  **SA4 power to agree on TR 26.933 (incl. cover page) and ATIAS\_Ph2 and DaCAS WIDs (if FS\_DaCED is complete and time allows) to be sent to TSG SA for approval**   1. **Audio SWG telco on IVAS\_Codec\_Ph2, FS\_ACAPI: Friday September 13, 2024, 1400-1700 CEST (host: Ericsson; Tdoc submission deadline: Thursday September 12, 14:00 CEST)** 2. **Audio SWG telco on IVAS\_Codec\_Ph2, FS\_ACAPI: Friday October 18, 2024, 14-17 CEST (host: Ericsson**   **Tdoc submission deadline: Thursday October 17, 14:00 CEST)**   1. **Audio SWG telco on IVAS\_Codec\_Ph2 (review progress fixed-point conversion): Monday November 4, 2024, 1400-1600 CET (host: Ericsson; Tdoc submission deadline: Friday November 1, 14:00 CET)**  MBS SWG ad hoc telcos:3GPP SA4 MBS SWG Telco (Sep 26, 2024, 15:30 – 17:30 CEST, Host Qualcomm)3GPP SA4 MBS SWG Telco (Oct 10, 2024, 15:30 – 17:30 CEST, Host Qualcomm)3GPP SA4 MBS SWG Meeting (October 16-18 2024, online, Host Qualcomm, submission deadline: Monday 14th October 23:59) – Power to send LSs relating to MBS A.I.s3GPP SA4 MBS SWG Telco (Oct 24, 2024, 15:30 – 17:30 CEST, Host Qualcomm)Video SWG Ad hoc telcos:3GPP SA4 Video SWG Telco (Oct 8th, 2024, 15:00 – 17:00 CEST, Host Qualcomm)3GPP SA4 Video SWG Telco (Oct 22nd, 2024, 15:00 – 17:00 CEST, Host Qualcomm)3GPP SA4 Video SWG Telco (Oct 29th, 2024, 15:00 – 17:00 CET, Host Qualcomm)RTC SWG Ad hoc telcos:- (Sep 25, 2024, Wednesday, 15:00 –17:00 CEST, Host Nokia) Power to send LSs relating to FS\_iRTCW- 3GPP SA4 RTC SWG Telco (Oct 9, 2024, Wednesday, 06:00 –08:00 CEST, Host Nokia)- (Oct 23, 2024, Wednesday, 15:00 –17:00 CEST, Host Nokia) |
| 20 | Any Other Business | 1446n, 1600->1639nCR to TS 26.114: 1675->~~1786w~~ |
| 21 | Close of meeting: Friday 23rd August 2024 at 18:00 hours CEST (at the latest) |  |

*Note: Agenda Items 7-10 are SWG (Sub Working Group) agenda items and will be handled in SWGs.*

*Note: Some SWG agenda items are handled in joint SWG sessions. You should refer to the schedule to see details of joint sessions.*

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