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

**Title: SA4#130 Tdoc allocation**

## Document for: Agreement

## Agenda Item: 2

**Introduction**

The **SA4#130 is an ordinary meeting held as a Physical meeting** and a regular agenda is proposed. 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. 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 12th November 2024 (23:59 CET)** 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* **Color: not-yet processed**, **processed**, **late**, **~~withdrawn~~**, **moved to a different A.I.**, **under email agreement, postponed, agreed in SWG, output document.**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…

|  |  |  |
| --- | --- | --- |
| A.I.# | Agenda Item | Tdoc # |
| 1 | Opening of the meeting: Monday 18th November 2024, at 09:00 hours local time | Presentation: 1796n |
| 2 | Approval of the agenda and registration of documents | Agenda: 1791appSchedule: 1792->2221aGuidelines: 1793n |
| 3 | IPR and antitrust reminder |  |
| 4 | Approval of previous meeting report | 2061app |
| 5 | Reports/Liaisons from other groups/meetings |  |
| 5.1 | SA4 SWG ad hoc meetings | Status: 1795->2062nAudio: 1865app, 1866app, 2033appMBS: 1976appVideo: 2004appRTC: 2021app |
| 5.2 | Other 3GPP groups | SA: 1797nXR: 1801n (RAN2)1803 (RAN2) -> RTC SWG reply in 2182app1804n (RAN2)1806n (RAN3)1812 (SA2) -> RTC SWG (urgent) reply in 2065appMult. Mod.: 1802 (RAN2) -> RTC SWG reply in 2180->XXXXapp1807n (RAN3)1810n (SA2) -> RTC SWG -> NotedMBS: 1805 (RAN3) -> MBS SWG -> reply in 2151appDC: 1809n (SA2) -> RTC SWG -> Noted1808n (RAN5)1814n (SA3)~~1815~~1817n (SA6)1818n (SA)1829n (SA3LI) -> RTC SWG -> Noted1839 (SA3LI) -> RTC SWG -> Reply in 2073app2056n (SA3) AL-FEC: 1811n (SA2)DC binding: 1813 (SA2) -> RTC SWG reply in 2110app1831 (SA2) -> RTC SWG reply in 2111appSpatial map. : 1816 (SA6) -> Video SWG -> reply in 2173app |
| 5.3 | Other groups | Ref. Tools etc.: 1819n (5G-MAG) ILE : 1820n (ITU-T Q8/16)Calendar : 1821n (SC29)Avatar : 1830n (SC29)UL Media delivery: 2052pp (5G-MAG) -> MBS SWG -> postponedIVAS: 2057n (SC29) FCM: 2058n (SC29) -> Video SWG -> NotedMV-HEVC: 2059n (SC29) -> Video SWG -> Noted |
| 6 | Issues for immediate consideration | WI handling: 1794->2253a5G-Adv in Rel-20: 1832a Reply LS: 1916a (see 1812)IBC2024: 2010n |
| 7 | Audio SWG |  |
| 7.1 | Opening of the session, registration of documents |  |
| 7.2 | IPR and antitrust reminder |  |
| 7.3 | Release 18 and earlier matters | 1838, 1905, 1961, 1911, 1965, 1966, 2013  |
| 7.4 | Reports/Liaisons from other groups/meetings |  |
| 7.5 | IVAS\_Codec\_Ph2 (EVS Codec Extension for Immersive Voice and Audio Services, Phase 2) | 1851, 1929, 1940, 1944->2053->2054, 1979, 1990, 2001, 2012 |
| 7.6 | FS\_DaCED (Feasibility Study on Diverse audio Capturing system for End-user Devices) | 1931, 1946, 1998, 2011~~1977~~ |
| 7.7 | FS\_ACAPI (Study on Audio Codec APIs) | 1968 |
| 7.8 | ATIAS\_Ph2 (Terminal Audio quality performance and Test methods for Immersive Audio Services, Phase 2) | 1840, 1964, 1969->2060, 20151991  |
| 7.9 | Other Rel-19 matters including TEI |  |
| 7.10 | Any Other Business |  |
| 7.11 | 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 | Reports/Liaisons from other groups/meetings | Reply to 1805: 1935 |
| 8.4 | Release 18 and earlier matters | 26.501: 1822, 193426.512: 1823->1999, 1824, 1825, 1826, 26.510: 1827, 1926 (jointly with RTC SWG), 1828, 26.247: 1933, 19735GMS\_Pro\_Ph2/BDT: 195726.565: 2034 |
| 8.5 | FS\_MeMe (Study on Media Messaging) | 26.841: 18771875, 1876, 1878 |
| 8.6 | FS\_AMD (Study on Advanced Media Delivery) | 26.804:- WT#1 (CMCD): 1879- WT#3a (Multi-CDN): 1889, 2038- WT#3b (Multi-Access): 2014- WT#5 (DRM): 1883- WT#12 (QoS): 1937, 1938, 1945, 2002- WT#13 (QUIC): 1930, 1960, 1971, 2032- WT#15 (Dyn. Content): 2026- Conclusions: 188626.802:- WT#6 (Repair): 1880- WT#8 (MBMS feat.): 1881- WT#7 (MBS US): 1882 LS to SA2 on MBS: 18881884, 1885, 1887, 1922, 1978, ~~2031,~~ 2047, 2051 |
| 8.7 | FS\_MediaEnergyGREEN (Study on Media enerGy consumption exposuRE and EvaluatioN framework) | 26.942:- KI#1: 1927, 2024- KI#2: 1967, 2025- KI#3: 1843, 2027- Terms: 2028- Refs: 2029- Annex A (EE): 2030Video: 18901849 |
| 8.8 | Other Rel-19 matters including TEI | 26.501 (FS\_MS\_NS\_Ph2): 2016 |
| 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 | Reports/Liaisons from other groups/meetings |  |
| 9.4 | Release 18 and earlier matters |  |
| 9.5 | VOPS (Video Operating Points - Harmonization and Stereo MV-HEVC) | 1892, 1893, 1894, 1895, 1896, 1983, 1984, 1985, 19861987, 2050 |
| 9.6 | FS\_AI4Media (Feasibility Study on Artificial Intelligence (AI) and Machine Learning (ML) for Media) | 1844, 1898, 1941->~~2049~~, 1949, 1950, 1951, 1952, 1954->2053, 1955, 1956, 1958, 1980, 1981, 19822008 |
| 9.7 | FS\_AVATAR (Feasibility Study on Avatars for Real-Time Communication) | 1862, 1874, 1948, 2003, 2009 |
| 9.8 | FS\_Beyond2D (Study on Beyond 2D Video) | 1841, 1842, 1867, 1868, 1869, 1871, 1872, 1897, 1942, 1988, 1992, 1993, 1994, 1997, 20001870, 2023 |
| 9.9 | FS\_ARSpatial (Study on Spatial Computing for AR Services) | 1846, 1847, 1848, 1873, 1970, 2006, 2018, 2019, 2020, 2022, 2046~~2017~~ |
| 9.10 | Other Rel-19 matters including TEI |  |
| 9.11 | Any Other Business | 1989 |
| 9.12 | 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/Liaisons from other groups/meetings | 1861, 1899, 1914, 1923, 1924, 1925, 1936, 1913, 1915 |
| 10.4 | Release 18 and earlier matters | 1919, 1920, 2035, 2036 |
| 10.5 | SR\_IMS (Split rendering over IMS) | 1917, 1918, 1921, 1947, 1953, 1962, 1963, 1972, 2007, 2040, 2041, 2042, 20431974 |
| 10.6 | FS\_5G\_RTP\_Ph2 (Study of 5G Real-time Transport Protocol Configurations, Phase 2) | 1798, 1799, 1800, 1833, 1834, 1835, 1837, 1863, 1864, 1900, 1901, 1902, 1903, 1904, 1906, 1907, 1908, 1909, 1910, 1932, 1939, 2005, 2044, 2045, 2048  |
| 10.7 | FS\_iRTCW\_Ph2 (Study on immersive Real-Time Communication for WebRTC, Phase 2) | 1845, 1943, 1975  |
| 10.8 | FS\_HapticsMedia (Study on Haptics in 5G Media Services) | 1836, 1852, 1853, 1854, 1855, 1856, 1857, 1858, 1859, 1912, 1995, 19961860, 2055 |
| 10.9 | Other Rel-19 matters including TEI | 1850, 2037, 1799  |
| 10.10 | Any Other Business |  |
| 10.11 | Close of the session |  |
| 11 | LSs received during the meeting and Postponed Liaisons (from A. I. 5) |  |
| 12 | Reports and general issues from sub-working-groups |  |
| 12.1 | Audio SWG | 2213app, Tdoc status transfer approved |
| 12.2 | MBS SWG | 2220app, Tdoc status transfer approved |
| 12.3 | Video SWG | 2170app, Tdoc status transfer approved |
| 12.4 | RTC SWG | 2207app, Tdoc status transfer approved |
| 13 | Release 18 and earlier matters | 26.501: 1822a, 2200a26.512: 1999a, 1824a, 2101a, 2103a26.510: 1827a, 2094a, 1828a, 2155a26.247: 2152a26.565: 2104a26.114: 2191a, 2217->XXXXa26.253: 2074->2240a, 2118a26.250: 2206->2229->2233aFrom RTC: 2091a, 2093a, 2035a&2036a, 2095a |
| 14 | Release 19 Features |  |
| 14.1 | SR\_IMS (Split rendering over IMS) | 26.567: 2172aTP: 1974->2232aProgress: 25% -> 45% (03/25->06/25) |
| 14.2 | VOPS (Video Operating Points - Harmonization and Stereo MV-HEVC) | 26.265: 2064->2248aTP: 2177->2247aProgress: 20% -> 45% (03/25) |
| 14.3 | IVAS\_Codec\_Ph2 (EVS Codec Extension for Immersive Voice and Audio Services, Phase 2) | IVAS-1: 2072aIVAS-10: 2071aFIP status: 2160aTP: 2222aProgress: 5% -> 20% (06/25->09/25) |
| 14.4 | ATIAS\_Ph2 (Terminal Audio quality performance and Test methods for Immersive Audio Services, Phase 2) | ATIAS-2: 2066aTP: 1991aProgress: 0% -> 5% (09/25) |
| 15 | Study Items |  |
| 15.1 | FS\_DaCED (Feasibility Study on Diverse audio Capturing system for End-user Devices) | 26.933: 2133a, 2139aProgress: 90%->100% (12/24) |
| 15.2 | FS\_ACAPI (Study on Audio Codec APIs) | TP: 2147a26.858: 2146->2239aProgress: 10% -> 20% (03/25 - > 06/25) |
| 15.3 | FS\_MeMe (Study on Media Messaging) | 26.841: 2114aTP: 2116aProgress: 30% -> 60% (03/25) |
| 15.4 | FS\_AMD (Study on Advanced Media Delivery) | 26.804: 2156m, 2201->2235m, 2089->2242m, 2079->2225->2228m, 2158->2241m, 2157m, 2120m, 2163m, 2171m, 2145->2214m, 2168m, 2167m, 2166m, 2131m all merged to 2260pp (output CR from the SA4 AH Call 26 Nov)26.802: 2128m, 2129m, 1882->2243->2258m, 2169app, 1887->2244m, 2261pp (output CR from the SA4 AH Call 26 Nov)TP: 2130->2256->2263pp (SA4 AH Telco Nov 26) |
| 15.5 | FS\_AI4Media (Feasibility Study on Artificial Intelligence (AI) and Machine Learning (ML) for Media) | 26.927: 2138a26.847: 2112aEPD: 2113aPD: 2115aTP: 2117->2249aProgress: 78% -> 82% (03/25 -> 06/25) |
| 15.6 | FS\_AVATAR (Feasibility Study on Avatars for Real-Time Communication) | 28.813: 2205->2250aPD: 2204aTP: 2203->2251aProgress: 55% -> 60% (03/25) |
| 15.7 | FS\_Beyond2D (Study on Beyond 2D Video) | TR: 2196aPD: 2197aTP: 2198aProgress: 17% -> 28% (03/25->06/25) |
| 15.8 | FS\_MediaEnergyGREEN (Study on Media enerGy consumption exposuRE and EvaluatioN framework) | TR: 2087->2252aTP: 1849aProgress: 30% -> 60% (03/25) |
| 15.9 | FS\_5G\_RTP\_Ph2 (Study of 5G Real-time Transport Protocol Configurations, Phase 2) | TP: 2187->2236a26.822: 2190n, 2189->XXXXa, 2246pp (Igor, TR to be sent to SA after RTC AH)Progress: 65% -> (100% at next AH) (12/24) |
| 15.10 | FS\_HapticsMedia (Study on Haptics in 5G Media Services) | 26.854: 2136a, 2161->2245aTP: 2055->2231aProgress: 15% -> 60% (03/25) |
| 15.11 | FS\_ARSpatial (Study on Spatial Computing for AR Services) | TR: 2108aTP: 2107aProgress: 10% -> 25% (06/25) |
| 15.12 | FS\_iRTCW\_Ph2 (Study on immersive Real-Time Communication for WebRTC, Phase 2) | 26.830: 2088aTP: 2086->2230aProgress: 0% -> 15% (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 | AUAMD: 1891->2216pp (SA4 AH Telco Nov 26)ULBC: 1928nDaCAS: 1959->2224->2259->2262a5G\_RTP: 2039->2237->2238->XXXXa |
| 18 | Postponed issues |  |
| 19 | Review of the future work plan (next meeting dates, hosts) | Audio SWG* AH telco on ATIAS\_Ph2: 10 January, 16:00-18:00 CET; Submission deadline: 09 January, 14:00 CET; Host: HEAD acoustics GmbH
* AH telco on IVAS\_Codec\_Ph2, FS\_ACAPI: 17 January. 12:00-15:00 CET, Submission deadline: 16 January, 12:00 CET, Host: Ericsson
* A joint RTC/Audio SWG telco has been discussed (with a tentative date on February 5, 1200-1400 CET) to coordinate on split rendering support of IVAS.

RTC SWG* Nov 27, 2024, Wednesday, 06:00-09:00 CET, Host Nokia, FS\_5G\_RTP\_Ph2, with power to agree TR 26.822 to be sent to SA for approval (Submission deadline: Nov 25, 2024, 1500 CET)
* Dec 17, 2024, Tuesday, 15:00 –17:00 CET, Host Nokia (Submission deadline: Dec 16, 2024, 1500 CET)
* Jan 15, 2025, Wednesday, 15:00 –17:00 CET, Host Nokia (Submission deadline: Jan 13, 2025, 2359 CET)
* Feb 5, 2025, Wednesday, 12:00 –14:00 CET, Host Nokia, joint with Audio SWG (Submission deadline: Feb 3, 2025, 2359 CET), focus on Audio for SR\_IMS.

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

MBS SWG (All have power to send LS to 5G-MAG and LSs relating to AMD aspects)* December 19 2024, 15:30 – 17:30 CET online, Host Qualcomm (Submission Deadline Dec 18, noon CET)
* Jan 8-10, 2025, online, Host Qualcomm (Submission Deadline Jan 6, 23:59 CET), joint session 5G-MAG.
* Feb 6, 2025, 15:30 – 17:30 CET, Host Qualcomm (Submission Deadline Feb 5, noon CET)

SA4 AH Telco (power to agree CR on FS\_AMD to 26.804 and 26.802 and power to agree the WID on AUAMD) Nov 26, 2024, 1530-1730 CET (Submission deadline Nov 25, 1530 CET) – Host Qualcomm. |
| 20 | Any Other Business |  |
| 21 | Close of meeting: Friday 22nd November 2024 at 16:00 hours local time (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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