**3GPP TSG-SA WG4 Meeting #133-eS4-251368**

**Online, 18 – 25 July 2025 revision of S4-251021**

**Source: Rapporteur ATIAS\_Ph2[[1]](#footnote-1)**

**Title: Time and Work Plan for ATIAS\_Ph2 – v0.5**

**Agenda item: 7.7 / 14.2**

**Document for: Agreement**

# Overview

The present document contains the time and work plan of the work item ATIAS\_Ph2 ("Terminal Audio quality performance and Test methods for Immersive Audio Services, Phase 2") in 3GPP SA4, Audio SWG. Latest approved WID can be found in [SP-241314](https://www.3gpp.org/ftp/tsg_sa/TSG_SA/TSGS_105_Melbourne_2024-09/Docs/SP-241314.zip).

This document will be updated as necessary.

# Schedule

The tentative schedule for the work on ATIAS\_Ph2 is outlined in the table below.

| Date | Meeting | Activity |
| --- | --- | --- |
| 2024-11 | [SA4#130](https://portal.3gpp.org/Home.aspx#/meeting?MtgId=60452)(Orlando) | Review inputs on:* Test methods for acoustic echo control ([S4-241840](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_130_Orlando/Docs/S4-241840.zip), [S4-242015](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_130_Orlando/Docs/S4-242015.zip))
* Test methods for headtracking & Rendering ([S4-241964](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_130_Orlando/Docs/S4-241964.zip))
* Subjective testing ([S4-241969](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_130_Orlando/Docs/S4-241969.zip))

Agree on PDoc ATIAS-2 as a basis for further work ([S4-242066](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/TSGS4_130_Orlando/Docs/S4-242066.zip)) |
| 2025-01 | Telco (10 January, 16:00-18:00 CET; Submission deadline: 09 January, 14:00 CET; Host: HEAD acoustics GmbH) | Review inputs on:* Moving Sound Sources ([SA4aA250005](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/3GPP_SA4_AHOC_MTGs/SA4_Audio/Docs/SA4aA250005.zip))
* M2S latency ([SA4aA250001](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/3GPP_SA4_AHOC_MTGs/SA4_Audio/Docs/SA4aA250001.zip))
* Simultaneous SND-UE-types ([SA4aA250003](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/3GPP_SA4_AHOC_MTGs/SA4_Audio/Docs/SA4aA250003.zip))

Progress on PDoc ATIAS-2:* Agreement to add proposed test method for M2S latency
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| 2025-02 | [SA4#131](https://portal.3gpp.org/Home.aspx#/meeting?MtgId=60663)(Geneva) | Review inputs on sound scene reproduction & send capture test:* SBA capture test ([S4-250126](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131_Geneva/Docs/S4-250126.zip) 🡪 [S4-250282](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131_Geneva/Docs/S4-250282.zip))
* Ambient noise testing ([S4-250205](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131_Geneva/Docs/S4-250205.zip))
* Send tests for complex sound scenes ([S4-250088](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131_Geneva/Docs/S4-250088.zip))

Review of/progress on PDoc ATIAS-2:* Integration of M2S test method ([S4-250082](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131_Geneva/Docs/S4-250082.zip) 🡪 [S4-250307](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131_Geneva/Docs/S4-250307.zip))

LS to ETSI TC STQ:Extending ETSI TS 103 224 for testing immersive UEs ([S4‑250310](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131_Geneva/Docs/S4-250310.zip)) |
| 2025-03 | Telco (31 March, 16:00-18:00 CEST Submission deadline: 28 March, 16:00 CET; Host: HEAD acoustics GmbH; first 1 h on DaCAS) | Review input on:* Transparency test for send capture ([S4aA250014](https://www.3gpp.org/ftp/TSG_SA/WG4_CODEC/3GPP_SA4_AHOC_MTGs/SA4_Audio/Docs/S4aA250014.zip))
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| 2025-04 | [SA4#131-bis-e](https://portal.3gpp.org/Home.aspx#/meeting?MtgId=60664)(Online) | Review inputs on:* Transparency test for send capture ([S4-250597](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250597.zip))
* First results on improved sound field reproduction ([S4-250612](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250612.zip))

Review reply-LS from ETSI STQ on sound field reproduction ([S4-250497](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_131-bis-e/Docs/S4-250497.zip)) |
| 2025-05 | [SA4#132](https://portal.3gpp.org/Home.aspx#/meeting?MtgId=60665)(Fukuoka) | Review inputs on:* Discuss/agree on handling of ambient noise suppression vs transparency ([S4-250959](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_132_Fukuoka/Docs/S4-250959.zip))
* Discuss/agree on handling of testing complex sound scene capture ([S4-251004](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_132_Fukuoka/Docs/S4-251004.zip), [S4-250958](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_132_Fukuoka/Docs/S4-250958.zip))
* Improved test method for echo cancellation ([S4-250960](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_132_Fukuoka/Docs/S4-250960.zip))
* Plausibility check of SLR test method and requirement ([S4-251003](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_132_Fukuoka/Docs/S4-251003.zip))

Progress on PDoc ATIAS-2 ([S4-251020](https://www.3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_132_Fukuoka/Docs/S4-251020.zip)):* Updated AEC test method
* Ambient sound field generation & transmission
* New SBA test method (in clause 4)
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| 2025-06 | Telco (23 June, 16:00-18:00 CEST Submission deadline: 20 June, 16:00 CEST; Host: HEAD acoustics GmbH) | Review input on:* Discussion/possible ways forward on acoustic reproduction of complex sound fields ([S4aA250070](https://portal.3gpp.org/ngppapp/DownloadTDoc.aspx?contributionUid=S4aA250070))
* Current status and discussion on (major) open issues to complete work item ([S4aA250071](https://portal.3gpp.org/ngppapp/DownloadTDoc.aspx?contributionUid=S4aA250071))
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| 2025-07 | [SA4#133-e](https://portal.3gpp.org/Home.aspx%22%20%5Cl%20%22/meeting?MtgId=60666)(Online) | Review inputs on:* Review latest version of Pdoc ATIAS-2 and progress towards CRs on TS 26.260/261 ([S4-251364](https://portal.3gpp.org/ngppapp/DownloadTDoc.aspx?contributionUid=S4-251364))
* Test method for suppression vs transparency of ambient noise ([S4-251385](https://portal.3gpp.org/ngppapp/DownloadTDoc.aspx?contributionUid=S4-251385) & SDP parameter in [S4-251373](https://portal.3gpp.org/ngppapp/DownloadTDoc.aspx?contributionUid=S4-251373))
* LS-in from ETSI STQ on extension of ambient sound field reproduction ([S4-251433](https://portal.3gpp.org/ngppapp/DownloadTDoc.aspx?contributionUid=S4-251433))

Exception sheet in [S4-251467](https://portal.3gpp.org/ngppapp/DownloadTDoc.aspx?contributionUid=S4-251467) |
| 2025-09 | Telco (05 September, 15:00-17:00 CEST Submission deadline: 03 September, 15:00 CEST; Host: HEAD acoustics GmbH) | Finalize content PDoc ATIAS-2 |
| 2025-11 | [SA4#134](https://portal.3gpp.org/Home.aspx%22%20%5Cl%20%22/meeting?MtgId=60667)(Dallas/USA) | Agreement on sending to SA:* CR to 26.259 (Subjective test methodologies) in [S4-25NNNN]
* CR to 26.260 (Objective test methodologies) in [S4-25NNNN]
* CR to 26.261 (Performance requirements & objectives) in [S4‑25NNNN]
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| 2025-12 | SA#110(Baltimore/USA) | TSG-SA approval of:* CR to 26.259 (Subjective test methodologies)
* CR to 26.260 (Objective test methodologies)
* CR to 26.261 (Performance requirements and objectives)
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1. Jan Reimes, HEAD acoustics GmbH [↑](#footnote-ref-1)