**3GPP TSG-SA WG4 Meeting #131S4-250310**

**Switzerland, Geneva, 17 – 21 February 2025**

Title: LS on extending ETSI TS 103 224 for testing immersive UEs

Response to: -

Release: 19

Work Item: ATIAS\_Ph2 (1050113)

Source: 3GPP SA WG4 – Audio SWG

To: ETSI TC STQ

Cc: ITU-T SG12/Q5

**Contact Person:**

Name: Jan Reimes

E-mail Address: jan.reimes@head-acoustics.com

**Send any reply LS to: 3GPP Liaisons Coordinator,** **mailto:3GPPLiaison@etsi.org**

Attachments: None

**1. Overall Description:**

3GPP SA4 is currently working on updating the test and requirement specifications for immersive audio services under the work item "ATIAS\_Ph2" (TS 26.260/TS 26.261). This work focuses on evaluating the capture and rendering capabilities of immersive speech communication terminals and ensuring high-quality immersive audio experiences.

In mobile/mono telephony (TS 26.131/132), the noise field simulation system described in ETSI TS 103 224 is used for testing noise suppression in terminals. This noise field simulation system has proven itself for the reproduction of (mostly diffuse) noise types in such specifications, as it ensures consistent test conditions in different laboratories.

It was discussed whether the ETSI TS 103 224 system could be extended or adapted for the reproduction of immersive audio scenes. 3GPP SA4 believes that such an extension could provide a valuable foundation for ambience testing of immersive acoustic capture capabilities, ensuring consistency and reliability across various labs and test rooms.

**2. Actions:**

**To ETSI TC STQ:**

**ACTION:** 3GPP SA4 kindly requests ETSI TC STQ to consider:

1. Whether the noise field simulation system described in ETSI TS 103 224 could be in general extended or adapted for the reproduction of immersive audio scenes (based on e.g., scene-based audio/ambisonics recordings).
2. Whether normative work could be initiated to define such an extension, which would ensure compatibility with immersive audio formats while maintaining high reproducibility across test environments.

**3. Date of Next SA4 Meetings:**

SA4#131-bis-e 11 – 17 April 2025 E-Meeting

SA4#132 19 – 23 May 2025 Fukuoka

SA4#133-e 21 – 25 July 2025 E-Meeting