**Source: Xiaomi**

**Title: Work Plan for the study on DaCED V0.6**

**Agenda Item: 16.1**

**Document for: Agreement**

1. Introduction

During SA4#121 meeting, the new study item on “Diverse audio Capturing system for End-user Devices” in S4-221623 was agreed and then approved in SA#98-e in SP-221330. The output of the study item will be TR 26.933 specification. this is the work plan for the project.

1. Proposed Time and Work Plan

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| --- | --- |
| **Meeting** | **Diverse audio Capturing system for End-user Devices - #980008** |
| **SA4#121 (14 – 18Nov 2022 Toulouse)** | * Agree New Study Item “Diverse audio Capturing system for End-user Devices” in S4-221623
 |
| **SA#98-e (13 - 19 Dec 2022)** | * Approve New Study Item “Diverse audio Capturing system for End-user Devices” in SP-221330
 |
| **SA4#122 (20 – 24 Feb 2023 Athens)** | * Agree TR skeleton for TR 26.933
* Agree Work Plan v0.1
* Start work on the UE categories determination:
 |
| **Joint telco on ATIAS/FS\_DaCED: 24 March 2023, 16:00 – 18:00 CET, submission deadline: 23 March 2023, 16:00 CET, host: Dolby** | * Continue to work on:
	+ UE categories determination;
* Start work on components used in audio capture:
	+ Documentation of components may be used in diverse audio capture.
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| **SA4#123-e (17 – 21 Apr 2023, e-meeting)** | * Continue to work on:
	+ UE categories determination;
	+ Documentation of components may be used in diverse audio capture.
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| **SA4#124 (22 May – 26 Mar 2023, Berlin)** | * Continue to work on:
	+ UE categories determination;
	+ Components used in audio capture.
* Start work on:
	+ Acoustic design including acoustic structure, microphone array design, etc.
	+ Signal processing Including necessary relevant processing for audio format, enhancement solution for immersive, speech enhancement, etc
 |
| **Telco on FS\_DaCED: 31 July 2023, 16:00 – 18:00 CEST, submission deadline: 27 July 2023, 16:00 CEST, host: Xiaomi** | * Continue to work on:
	+ Components used in audio capture.
	+ UE categories determination.
	+ Acoustic design including acoustic structure, microphone array design, etc.
	+ Signal processing Including necessary relevant processing for audio format, enhancement solution for immersive, speech enhancement, etc.
 |
| **SA4#125 (21 – 25 Aug 2023, Goteborg)** | * Continue to work on:
	+ Components used in audio capture.
	+ Acoustic design including acoustic structure, microphone array design, etc.
	+ Signal processing Including necessary relevant processing for audio format, enhancement solution for immersive, speech enhancement, etc
* Start work on:
	+ Characterization of the audio capture performance
* Complete work on:
	+ UE categories determination;
 |
| **Telco: 13 October 2023, 16:00 – 18:00 CEST, submission deadline: 12 October 2023, 16:00 CEST, host: HEAD acoustics** | * Continue to work on:
	+ Components used in audio capture.
	+ Acoustic design including acoustic structure, microphone array design, etc.
	+ Signal processing Including necessary relevant processing for audio format, enhancement solution for immersive, speech enhancement, etc
	+ UE categories determination;
 |
| **Telco: 23 October 2023, 16:00 – 18:00 CEST, submission deadline: 20 October 2023, 16:00 CEST, host: HEAD acoustics** | * Continue to work on:
	+ Components used in audio capture.
	+ Acoustic design including acoustic structure, microphone array design, etc.
	+ Signal processing Including necessary relevant processing for audio format, enhancement solution for immersive, speech enhancement, etc
	+ UE categories determination;
 |
| **SA4#126 (13 – 17 Nov 2023, Chicago)** | * Continue to work on:
	+ Signal processing Including necessary relevant processing for audio format, enhancement solution for immersive, speech enhancement, etc;
	+ Characterization of the audio capture performance
* Start work on:
	+ Example audio capture processing solutions;
* Complete work on:
	+ Components used in audio capture;
	+ Acoustic design including acoustic structure, microphone array design, etc;
 |
| **Telco: 12 January 2024, 16:00 – 18:00 CET, submission deadline: 11 January 2024, 16:00 CET,host: HEAD acoustics** | * Continue to work on:
	+ Components used in audio capture.
	+ Acoustic design including Stereo capture, etc.
	+ Signal processing including AEC on different UEs, etc.
 |
| **SA4#127 (29 Jan – 2 Feb 2024, Sophia Antipolis)** | * **Continue to work on:**
	+ **Signal processing Including necessary relevant processing for audio format, enhancement solution for immersive, speech enhancement, etc;**
	+ **Characterization of the audio capture performance;**
	+ **Example audio capture processing solutions;**
 |
| **Telco: 8 March 2024, 16:00 – 18:00 CET, submission deadline: 7 March 2024, 16:00 CET, host: Xiaomi** | * **Continue to work on:**
	+ **Signal processing Including necessary relevant processing for audio format, enhancement solution for immersive, speech enhancement, etc;**
	+ **Acoustic design including Stereo capture, FOA capture etc.**
 |
| **SA4#127-bis-e (8 – 12 April 2024)** | * **Continue to work on:**
	+ **Signal processing Including necessary relevant processing for audio format, enhancement solution for immersive, speech enhancement, etc;**
	+ **Example audio capture processing solutions.**
 |
| **SA4#128 (20 – 24 May 2024, Korea)** | * Continue to work on:
	+ Example audio capture processing solutions;
* Complete work on:
	+ Signal processing Including necessary relevant processing for audio format, enhancement solution for immersive, speech enhancement, etc;
* Agree on Draft TR 26.933 v1.0.0 to be sent to SA plenary for information
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| **SA#104 (18 – 21 June 2024,** **China)** | * Present Draft TR 26.933 v1.0.0 for information
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| **Telco: 28 June 2024, 16:00 – 18:00 CET, submission deadline: 27 June 2024, 16:00 CEST, host: Xiaomi** | * Continue to work on:
	+ Example audio capture processing solutions;
	+ Remaining issues.
	+ Start to provide recommendation based on the study.
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| **SA4#129-e (19 – 23 August 2024)** | * Complete work on:
	+ Example audio capture processing solutions;
	+ Remaining issues
	+ Provide recommendation on potential work for DaCED based on the findings in this study.
* Agree on TR 26. 933 v2.0.0 to be sent to SA plenary for approval
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| **SA#105 (10 – 13 Sep 2024, Australia)** | * Present TR 26.933 v2.0.0 for approval
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