**3GPP TSG-SA WG4 Meeting #129e S4-241404r1**

Online, 19-23 Aug 2024

**Source:** InterDigital Europe

**Title:** Time Plan for the FS\_HapticsMedia Study Item

**Agenda item:** 15.11

**Document for** Agreement

# Introduction

The FS\_HapticsMedia study item has been agreed at the SA plenary #101 in document SP-240675.

The study item aims to investigate and identify the data format, and potential codecs, transport protocols suitable to enhance SA4 services and enablers with haptic capabilities.

The main objectives of this study item include:

1. Identify relevant use cases and requirements already defined in TR 22.847 and refine them as necessary.
2. Identify and describe the candidate input formats for haptic experience, relevant to the above use-cases.
3. Identify relevant device types with support for haptic playback and/or capture.
4. Identify candidate technologies (codec, storage format, and transport protocols) that may be suitable for enabling haptic experiences.
5. Identify the use of existing 3GPP network APIs to assist the QoS for the delivery of haptic experiences if necessary.
6. Provide recommendations on the integration of haptic in various 3GPP services, including in 5GMS streaming, RTC communications, avatar representation, and broadcast.

The timeline for normative work will be considered after the study completes. No normative work in Rel-19 is foreseen.

# Time Plan

The following time plan for the execution of the FS\_HAPTICSMEDIA study item objectives numbered above is proposed in the following table.

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| Meeting |  **Work Item Objectives** |
| SA4#129-e (19 - 23 August, Online) | * Agree TR skeleton and time plan
* **Start (1)** Identify and extract the Haptic-related use cases and requirements defined in TR22.847 and/or in SA4 studies and refined them as necessary.
* **Start (2)** Identify and describe the candidate input formats for haptic experience, relevant to the above use-cases.
* **Start (3)** Identify relevant device types with support for haptic playback and/or capture
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| Post SA4 #129 RTC AHG Calls* (Sep 25, 2024, Wednesday, 15:00 –17:00CEST, Host Nokia)
* (Oct 23, 2024, Wednesday, 15:00 –17:00 CEST, Host Nokia)
 | * **Complete (1)** Identify and extract the Haptic-related use cases and requirements defined in TR22.847 and/or in SA4 studies and refined them as necessary.
* **Continue (2)** Identify and describe the candidate input formats for haptic experience, relevant to the above use-cases.
* **Continue (3)** Identify relevant device types with support for haptic playback and/or capture
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| SA4#130 (18 – 22 November 2024, Orlando, FL) | * **Complete (2)** Identify and describe the candidate input formats for haptic experience, relevant to the above use-cases.
* **Complete (3)** Identify relevant device types with support for haptic playback and/or capture.
* **Start (4)** Identify candidate technologies (codec, storage format, and transport protocols) that may be suitable for enabling haptic experiences.
* **Start (5)** Identify the use of existing 3GPP network APIs to assist the QoS for the delivery of haptic experiences if necessary.
* **Start (6)** Study, identify and document 3GPP services in which haptic experience can be integrated, including identifying potential gaps. (5GMS streaming, RTC communications, avatar representation, and broadcast.)
* Communicate with relevant 3GPP and external groups if needed.
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| SA#106 (10 – 13 December 2024, Madrid, ES) | * Submit TR26.854 for information
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| Post SA4 #130 RTC AHG Calls* xxx
* xxx
 | * **Continue (4)** Identify candidate technologies (codec, storage format, and transport protocols) that may be suitable for enabling haptic experiences.
* **Continue (5)** Identify the use of existing 3GPP network APIs to assist the QoS for the delivery of haptic experiences if necessary.
* **Continue (6)** Study, identify and document 3GPP services in which haptic experience can be integrated, including identifying potential gaps. (5GMS streaming, RTC communications, avatar representation, and broadcast.)
* Draft conclusion and recommendation of the TR.
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| SA4#131 (17 – 21 February 2025, Geneva, CH) | * **Complete (4)** Identify candidate technologies (codec, storage format, and transport protocols) that may be suitable for enabling haptic experiences.
* **Complete (5)** Identify the use of existing 3GPP network APIs to assist the QoS for the delivery of haptic experiences if necessary.
* **Complete (6)** Study, identify and document 3GPP services in which haptic experience can be integrated, including identifying potential gaps. (5GMS streaming, RTC communications, avatar representation, and broadcast.)
* Finalize conclusions and recommendation of the TR
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| SA#107 (12 – 13 March 2025, Korea, KR) | * Submit TR26.854 for approval
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# Proposal

It is proposed to agree the time and work plan as described in Section 2.