3GPP TSG SA WG 4 Meeting #117-e S4-220254

February 14th-23rd, 2022

**Title: LS on multiparty Real-time Text (RTT) in conference calling**

**Response to: -**

**Release: -**

**Work Item: -**

**Source: SA4**

**To: SA1, CT1, CT4, GSMA NG (GSG, UPG, ESTF), ATIS**

**Cc:**

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**Attachments:** S4-220102

# 1 Overall description

SA4 has received a request from ETSI TC HF (see attached incoming LS) to extend its IMS specifications of Multimedia Telephony and include details about initiation and transport of multiparty Real-time Text (RTT). This request is motivated by European requirements in EN 301 549, where RTT conference calling is required by ICT systems providing conversational voice calling.

ETSI TC HF has made a preliminary assessment of potentially impacted 3GPP specifications (e.g. TS 26.114, TS 24.147, TS 23.333, TS 29.333). It has also proposed to consider IETF RFC 9071 “RTP-mixer formatting of multiparty Real-time text”" to support multiparty RTT in TS 26.114. Furthermore, ETSI TC HF has invited SA4 to initiate and coordinate actions regarding related specifications under the responsibility of other 3GPP groups than SA4.

Before launching a new work item to consider stage 3 aspects under SA4 responsibility, SA4 would like to verify requirements and coordinate with other groups.

SA4 would like to check if there are any applicable stage 1 requirements or if new stage 1 requirements should be defined. SA4 would also like to check if there are any other regulatory requirements that could apply. For instance it is our understanding that RTT requirements may be defined in North America to replace CS-based TTY.

SA4 would kindly ask for a confirmation that the list of impacted specifications (documents under the responsibility of other 3GPP groups than SA4) is correct and seek views on how to coordinate the potential normative work.

It is also SA4’s understanding that RCS supports different protocols (SIP, MSRP, RTP, HTTP) for IMS-based conversational services but there is no explicit support of RTT in RCS, and it may be interesting to verify that the foreseen updates to IMS specifications would later be taken into account (e.g. in GSMA) to ensure successful deployment.

# 2 Actions

**To SA1:**

**ACTION:** SA4 asks SA1 to clarify if existing SA1 requirements would apply or if any new requirement would be necessary, and if SA1 is aware of any other regulatory requirements that should be taken into account.

**To CT1, CT4:**

**ACTION:** SA4 asks CT1 and CT4 to consider the request from ETSI TC HF and confirm that the preliminary assessment of potentially impacted specifications is correct.

**To GSMA NG (GSG, UPG, ESTF):**

**ACTION:** SA4 asks GSMA NG to take the above information into account and provide feedback if any.

**To ATIS:**

**ACTION:** SA4 asks ATIS to identify if there are requirements on multiparty RTT that should be taken into consideration.

# 3 Dates of next TSG SA WG 4 meetings

SA4#118-e 6 – 14 April 2022 E-Meeting

SA4#119-e 11 – 20 May 2022 E-Meeting