**3GPP TSG-RAN5 Meeting #95-e R5-223332**

**Electronic Meeting, 9 – 20 May, 2022**

**Title:** LS to CT1 on video call upgrade when preconditions are not used

**Source:** TSG RAN WG5

**To:** TSG CT WG1

**Contact Person:**

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**1. Overall Description:**

TS 24.229 clause 6.1.4.2 contains the following text w.r.t session modification when precondition mechanism is used:

6.1.4.2 Generating session modification request

If the precondition mechanism is used for the session modification, the following applies:

a) if the session modification does not increase the QoS requirement of the already established media stream (e.g., all the media streams in a call hold procedure, audio stream in a call upgrade procedure), in the SDP body of the request (re-INVITE, UPDATE, or PRACK), both local and remote QoS of this media shall be indicated as met; and

b) if the session modification increases the QoS requirement of some already established media stream(s) (e.g., request of using a different audio/video codec that requires higher bandwidth), or if the session modification adds a new media stream (e.g., call upgrade), the setting of the current and desired QoS status of the modified or added media stream shall be the same as specified in subclause 6.1.2. If the network fails to modify or reserve the required resources, the UE shall send a CANCEL request to terminate the session modification.

RAN5 is unclear on how the UE should behave when, remote party does a call upgrade from voice call to video call by sending re-Invite message and preconditions are not used. Two different interpretations are being discussed:

1. The UE optionally sends 100 Trying provisional response followed by 183 session progress with SDP answer.
2. The UE optionally sends 100 Trying provisional response followed by 200 OK containing SDP answer when user accepts the call modification (upgrade) request.

**2. Actions:**

To CT WG1group.

**ACTION:** RAN WG5 asks CT WG1 which of the above interpretations is to be applied upon described scenario.

**3. Date of Next TSG-RAN WG5 Meetings:**

TSG-RAN5 Meeting#96 15th – 26th Aug 2022 Electronic Meeting

TSG-RAN5 Meeting#97 14th – 18th Nov 2022 TBD