**3GPP TSG SA WG4 #131-bis-e S4-250608**

**Online, April 14-18, 2025**

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| *CR-Form-v12.0* | | | | | | | | |
| **PSEUDO CHANGE REQUEST** | | | | | | | | |
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|  | **26.830** | **CR** | pseudo | **rev** | **-** | **Current version:** | **0.3.1** |  |
|  | | | | | | | | |
| *For* [***HE******LP***](http://www.3gpp.org/3G_Specs/CRs.htm#_blank)*on using this form: comprehensive instructions can be found at* [*http://www.3gpp.org/Change-Requests*](http://www.3gpp.org/Change-Requests)*.* | | | | | | | | |
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| ***Proposed change affects:*** | UICC apps |  | ME |  | Radio Access Network |  | Core Network |  |

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| ***Title:*** | **[FS\_iRTCW] On tethering link delay** | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Qualcomm Incorporated | | | | | | | | | |
| ***Source to TSG:*** |  | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | FS\_iRTCW\_Ph2 | | | | |  | ***Date:*** | | | 04/08/2025 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***Release:*** | | | Rel-19 |
|  | *Use one of the following categories:* ***F*** *(correction)* ***A*** *(mirror corresponding to a change in an earlier release)* ***B*** *(addition of feature),* ***C*** *(functional modification of feature)* ***D*** *(editorial modification)*  Detailed explanations of the above categories can be found in 3GPP [TR 21.900](http://www.3gpp.org/ftp/Specs/html-info/21900.htm). | | | | | | | | *Use one of the following releases: Rel-10 (Release 10) Rel-11 (Release 11) Rel-12 (Release 12)* *Rel-13 (Release 13) Rel-14 (Release 14) Rel-15 (Release 15) Rel-16 (Release 16)*  *Rel-17 (Release 17)*  *Rel-18 (Release 18)* | |
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| ***Reason for change:*** | | The clause 5.4 was intended to be a solution, not a key issue description. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Moved clause 5.4 to clause 6.3.  Added key issue #3 description. | | | | | | | | |
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| ***Consequences if not approved:*** | | The key issue and solutions are not clear. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | |  |  | Other core specifications | | | | TS/TR ... CR ... | | |
| ***affected:*** | |  |  | Test specifications | | | | TS/TR ... CR ... | | |
| ***(show related CRs)*** | |  |  | O&M Specifications | | | | TS/TR ... CR ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

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# Proposed changes

Add the following to the References.

\* \* \* \* 1st change \* \* \* \*

5.4 Key Issue#3: Support of tethered cases in RTC system

5.4.1 Description

The support for tethered cases in the RTC architecture was studied and documented in TR 26.930. Some work remains to be done:

Evaluate the SA2 solution in TS 23.501 and XRM\_Ph2 in Release-19 on E2E QoS when there are non-3GPP networks also involved for the use cases considered under SA4 and identify potential gaps and coordinate with SA2 if needed.

\* \* \* \* end of 1st change \* \* \* \*

Add the following to clause 6:

\* \* \* \* 2nd change \* \* \* \*

6.3 Solution#3: Tethering link delay reporting

6.3.1 EVEX approach

Clause 6.3 of 3GPP TR 26.806 [6] gives a solution that reports the tethering link delay as an event in the Event Exposure (EVEX) framework in 3GPP TS 26.531 [5].

6.3.2 QoE reporting approach

3GPP TR 26.812 [7] includes the round-trip time (RTT) and one-way delays as QoE metrics. The tethering link delay contributes to the RTT and one-way delays, and the knowledge of the tethering link delay may help optimize the communication system. Thus, it is beneficial to include the tethering link delay as a QoE metric. The current QoE measurement and reporting mechanisms in 3GPP TS 28.405 [8] can be leveraged for this purpose.

\* \* \* \* End of 2nd change \* \* \* \*