**3GPP TSG-SA WG4 Meeting #133-e*****S4-251239***

**Online, 18th–25th July 2025**

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| *CR-Form-v12.2* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
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|  | **26.113** | **CR** |  | **rev** | **1** | **Current version:** |  |  |
|  | | | | | | | | |
| *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 | **X** | Radio Access Network |  | Core Network | **X** |

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| ***Title:*** | [iRTCW] Media capability enhancement for RTC endpoint. | | | | | | | | | |
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| ***Source to WG:*** |  | | | | | | | | | |
| ***Source to TSG:*** |  | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** |  | | | | |  | ***Date:*** | | |  |
|  |  | | | |  | |  | | |  |
| ***Category:*** |  |  | | | | | ***Release:*** | | |  |
|  | *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-8 (Release 8) Rel-9 (Release 9) Rel-10 (Release 10) Rel-11 (Release 11) … Rel-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)* | |
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| ***Reason for change:*** | | Following Key issues are studied in FS\_iRTCW\_Ph2 as the parts of leftover in Rel-18 RTC spepcification:   * Key Issue#1: Media profiles and codecs for RTC * Key Issue#2: RTC Signalling and Metadata * Key Issue#3: potential ehancements for supporting tethered cases.   This CR proposes to implement the conclusion of the Key Issue#1 (in TR 26.830):   * Incorporating solution#1 (supporting the codecs and media capabilities as specified in TS 26.114 and TS 26.119 with clarification of non-3gpp codecs), depending on the service requirements.   Proposed changes take into account the follosings:   * The codec requriments in TS 24.229 were covered in Rel-18. | | | | | | | | |
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| ***Summary of change:*** | | Based on the recommendation of TR 26.830, added fllowing changes:   * A terminal supporing TS 26.113 shall implement the media codecs and media processing capability for XR phone as specified in TS 26.119, with clarification of the scope of the specification. | | | | | | | | |
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| ***Consequences if not approved:*** | | Codecs and media processing capabilities for XR phone specified in 3GPP can not be used in RTC system, due to lack of consistency of supported media capability. | | | | | | | | |
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| ***Clauses affected:*** | | 16 | | | | | | | | |
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|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | |  | **X** | Other core specifications | | | | TS/TR ... CR ... | | |
| ***affected:*** | |  | **X** | Test specifications | | | | TS/TR ... CR ... | | |
| ***(show related CRs)*** | |  | **X** | O&M Specifications | | | | TS/TR ... CR ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

\* \* \* First Change \* \* \*

# 16 Media capabilities

This specification primarily specifies the protocols and APIs for real-time communication. The APIs and protocols defined in this specification are not restricted to specific codecs or media capabilities. In this specification, neither the requirements for RTC endpoints for audio codecs and processing as defined in IETF RFC 7874 [32], nor the requirements for RTC endpoints for video codecs and processing as defined in IETF RFC 7742 [33] apply. However, a terminal implementing the protocols and APIs defined in the present document should implement:

- The UE codec requirements for speech as specified in TS 26.114 [20], if speech/audio is supported.

- The UE codec requirements for video as specified in TS 26.114 [20], if video is supported.

If it supports XR real-time communication services, an RTC endpoint that complies with the present document shall implement the following functions and capabilities specified in TS 26.119 [23]:

- The audio functions and capabilities for XR phone specified in TS 26.119 [23].

- The visual functions and capabilities for XR phone specified in TS 26.119 [23].

- The scene processing capabilities for XR phone specified in TS 26.119 [23].

The above requirements on codec media and capability support shall take precedence over the corresponding requirement specified in 3GPP TS 26.119 [23] when an RTC endpoint supports XR real-time communication services.

Transcoding-free operation to UEs implementing IMS-based codecs and media capabilities as defined in TS 26.114 [20] should be supported. If supported, for minimum service interoperability, a terminal shall implement the UE codec and media handling requirements as specified in TS 26.114 [20].

NOTE: If the RTC endpoint is a Media Function of an RTC AS, the RTC endpoint may support one or more additional media codecs that are also supported by web browsers for WebRTC applications in order to accommodate a Web App running over a Web browser of the UE. The support of non-3GPP media codecs is outside the scope of the present document.

\* \* \* End of Changes \* \* \*