**3GPP TSG-SA4 Meeting #127-bis-e *S4-240721***

**Online, 8 - 12 April 2024**

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| *CR-Form-v12.2* |
| **CHANGE REQUEST** |
|  |
|  | **26.113** | **CR** | **pseudo** | **rev** | **1** | **Current version:** | **1.1.0** |  |
|  |
| *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 exchange |
|  |  |
| ***Source to WG:*** | Tencent Cloud |
| ***Source to TSG:*** |  |
|  |  |
| ***Work item code:*** | iRTCw |  | ***Date:*** | 2024-04-02 |
|  |  |  |  |  |
| ***Category:*** | **B** |  | ***Release:*** | Rel-18 |
|  | *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 canbe 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:*** | TS 26.119 defines identifiers to signal the device types as well as optionally signal the codec and scene processing profile, level, and additional constraints along with the concurrency of codecs. Each device type or codec profile is identified with a URI. Since the MeCAR devices are used by iRTCw, it would be beneficial to outline how to use the TS26.119 Annex A identifiers by iRTCw. Note that:* The device type is important as it defines the media interoperability at the device level.
* A media codec capability is often more than just a profile and level of a coder. Additional contraints are added as well as the number of concurrent instances in some cases.
* The scene processing capabilities are currently defined in 4 different profiles.
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| ***Summary of change:*** | 9.3.2 (new) |
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| ***Consequences if not approved:*** | The specification is not complete. |
|  |  |
| ***Clauses affected:*** |  |
|  |  |
|  | **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:*** | . |

## ===== CHANGE =====

## 9.3 Signalling exchange (RTC-4s)

### 9.3.1 General

Signalling exchange refers to a series of interactions to exchange the configuration information between two RTC endpoints (e.g., between applications (Native WebRTC Application/Web App) via WSF) to create and manage RTCPeerConnection. It includes the available transport protocol, NAT traversal route, network addresses as well as the codecs and media types in common between two RTC endpoints or between the RTC endpoint and the trusted media function.

This signalling information is exchanged based on the full-duplex reliable WebSocket connection, as specified in clause 13.2.

NOTE: TS 26.119 [2] defines the device type and media capabilities identifiers specifically for UEs with immersive media capabilities. The use of these identifiers during the signalling exchange is FFS.

### ~~9.3.2 TS 26.119 Device type and media capability signaling~~

~~TS 26.119 Annex A [23] defines the device types’ and media capabilities’ identifiers. These identifiers should be used between two RTC endpoints in media codecs and capabilities negotiations.~~

~~An RTC endpoint may include in its SOP media description the attributes~~ *~~3gpp\_26119\_devicetype~~* ~~and~~ *~~3gpp\_26119\_mediacap~~* ~~at the session and media levels consequently, along with one or more URI to signal its capabilities. IANA registration information for the above attributes is defined in Annex X.~~