**3GPP TSG-SA4 Meeting # 112-e *S4-210185***

**1st – 10th February 2021**

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| *CR-Form-v12.1* |
| **Draft CHANGE REQUEST** |
|  |
|  | **26.114** | **CR** | **<CR#>** | **rev** |  | **Current version:** | **<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 |  | Radio Access Network |  | Core Network |  |

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|  |
| ***Title:***  | Draft CR Introduction of Pause/Resume in ITT4RT |
|  |  |
| ***Source to WG:*** | Qualcomm Inc., Intel |
| ***Source to TSG:*** | S4 |
|  |  |
| ***Work item code:*** | ITT4RT |  | ***Date:*** | 2021-01-27 |
|  |  |  |  |  |
| ***Category:*** | **B** |  | ***Release:*** | Rel-17 |
|  | *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-15 (Release 15)Rel-16 (Release 16)Rel-17 (Release 17)Rel-18 (Release 18)* |
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| ***Reason for change:*** |  |
|  |  |
| ***Summary of change:*** |  |
|  |  |
| ***Consequences if not approved:*** |  |
|  |  |
| ***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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| First Change |

## X.6.4 Overlays

ITT4RT clients supporting the ‘Overlay’ feature may define an overlay source and overlay configuration in the SDP. An ITT4RT client that supports overlays

* shall support a video or image stream indicated by a media line in the SDP as the source of an overlay.
* [may support a conditional overlay of a region from a 360-degree video as the source of an overlay.]
* [may support an externally specified overlay source, referenced by a URI.]

Editor’s Note: The solution for image overlays is FFS.

### X.6.4.1 Video Media

Any visual media that is defined with the ‘m=video’ line, includes the attribute *mid* and does not have the attribute *a=3gpp\_360video* in the SDP may be rendered as an overlay by an ITT4RT-Rx client. An ITT4RT client shall include the attribute *mid* in the overlay media description. If an overlay is to be associated with a particular overlay configuration, the *mid* shall be used to associate the overlay media description to the the overlay configuration, which is later described in X.6.4.3.

### X.6.4.2 Overlay Configuration

[…]

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| Second Change |

### X.6.7 Support for Stream Pausing/Resuming

An ITT4RT-Tx or ITT4RT MRF client shall use the a=rtcp-fb ccm pause attribute and parameter values as specified in [RFC 5104] and [RFC 7728] to indicate the capability to support receiving and acting on PAUSE and RESUME requests targeted for RTP streams it sends. The optional parameter setting of a=rtcp-fb ccm pause config=3 could be used by the ITT4RT-Tx or ITT4RT MRF client to indicate that it will only receive and react to PAUSE and RESUME requests but will not send them.

An ITRT4RT-Rx client shall use the a=rtcp-fb ccm pause attribute and parameter values as specified in [RFC 5104] and [RFC 7728] to indicate the capability to support sending PAUSE and RESUME requests targeted for RTP streams it receives. The optional parameter setting of a=rtcp-fb ccm pause config=2 could be used by the ITT4RT-Rx client to indicate that it will only send PAUSE and RESUME requests but does not support receiving these requests.