**3GPP TSG-RAN4 Meeting #116  *R4-2510178***

Malta, MT, 19th – 23rd May, 2025

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| *CR-Form-v12.3* |
| **CHANGE REQUEST** |
|  |
|  | **1** | **CR** |  | **rev** |  | **Current version:** | **0.0.1** |  |
|  |
| *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 | **x** | Radio Access Network |  | Core Network |  |

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|  |
| ***Title:***  | DraftCR on D2R Timing requirements |
|  |  |
| ***Source to WG:*** | CMCC |
| ***Source to TSG:*** | R4 |
|  |  |
| ***Work item code:*** | Ambient\_IoT\_Solutions-Core |  | ***Date:*** | 07 |
|  |  |  |  |  |
| ***Category:*** | **B** |  | ***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 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:*** | According to the work split of Rel-19 Ambient IoT (R4-2508275), this draftCR provides D2R Timing requirements.  |
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| ***Summary of change:*** | Provide D2R Timing requirements. According to TS38.291, $T\_{R\rightarrow D}$ is used to reflect Toffset1, Toffset2, Toffset3, Toffset4. This draftCR provides D2R Timing requirements based on TS38.291. |
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| ***Consequences if not approved:*** | The spec are not completed. |
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| ***Clauses affected:*** | 9.2 |
|  |  |
|  | **Y** | **N** |  |  |
| ***Other specs*** |  | **X** |  Other core specifications  | TS/TR ... CR ...  |
| ***affected:*** | **X** |  |  Test specifications | TS 38.533 |
| ***(show related CRs)*** |  | **X** |  O&M Specifications | TS/TR ... CR ...  |
|  |  |
| ***Other comments:*** |  |
|  |  |
| ***This CR's revision history:*** |  |

## << Start of 1st change >>

#### 9.2 D2R timing

#### 9.2.1 D2R transmit timing

For D2R transmission, the reference point for the device transmission timing is $T\_{R\rightarrow D}$ after the end of the corresponding R2D transmission for the device as define in TS 38.291. The device transmission timing error shall be less than or equal to Te. The value of Te is equal to 10%\*TSFO, where TSFO is the length in microseconds from the last transition edge of PRDCH intended for the device in the corresponding R2D transmission to the starting time of the D2R transmission.

<< End of 1st change >>