**3GPP TSG-RAN WG2 Meeting #112 electronic *draft*R2-2010753**

**Online, November 2nd – 13th 2020**

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| *CR-Form-v11.4* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **36.306** | **CR** | **xxxx** | **rev** | **-** | **Current version:** | **15.9.0** |  |
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| *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 | **X** | Core Network |  |

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| ***Title:*** | Addition of missing NZP CSI-RS transmission capabilities | | | | | | | | | |
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| ***Source to WG:*** | Huawei, HiSilicon | | | | | | | | | |
| ***Source to TSG:*** | R2 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | TEI15 | | | | |  | ***Date:*** | | | 2020-11-10 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***Release:*** | | | Rel-15 |
|  | *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-12 (Release 12)* *Rel-13 (Release 13) Rel-14 (Release 14) Rel-15 (Release 15) Rel-16 (Release 16)* | |
| ***Reason for change:*** | | The LS from RAN1 in R2-2011001 indicates the following Rel-14 capabilities have not been captured in TS 36.306.   * nzp-CSI-RS-AperiodicInfo-r14 * nzp-CSI-RS-PeriodicInfo-r14 | | | | | | | | |
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| ***Summary of change:*** | | Add two capabilities  **Impact analysis**  Impacted functionality:  UE capability reporting  Impacted architecture options:  EN-DC, NGEN-DC, NE-DC  Inter-operability:  If the network is implemented according to the CR and the UE is not, UE may not be able to report the correct nMaxResource for nzp-CSI-RS-AperiodicInfo-r14 and nzp-CSI-RS-PeriodicInfo-r14  If the UE is implemented according to the CR and the network is not, NW may not be able to decode the correct nMaxResource for nzp-CSI-RS-AperiodicInfo-r14 and nzp-CSI-RS-PeriodicInfo-r14 | | | | | | | | |
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| ***Consequences if not approved:*** | | nzp-CSI-RS-AperiodicInfo-r14 and nzp-CSI-RS-PeriodicInfo-r14 are missing from the specification. | | | | | | | | |
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| ***Clauses affected:*** | | 4.3.4.x (new), 4.3.4.y (new) | | | | | | | | |
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|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | | **X** |  | Other core specifications | | | | TS/TR 36.331 CR 4389 | | |
| ***affected:*** | |  | **X** | Test specifications | | | | TS/TR ... CR ... | | |
| ***(show related CRs)*** | |  | **X** | O&M Specifications | | | | TS/TR ... CR ... | | |
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| ***Other comments:*** | |  | | | | | | | | |

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| FIRST CHANGE |

#### 4.3.4.181 *srs-DCI7-TriggeringFS2-r15*

This field indicates whether the UE supports SRS triggerring via DCI format 7 for FS2.

#### 4.3.4.x *nzp-CSI-RS-AperiodicInfo-r14*

This field indicates the support of aperiodic NZP CSI-RS transmission, separately per transmission mode (TM9, TM10). nMaxProc indicates the maximal number of updated CSI process for aperiodic NZP CSI-RS. nMaxResource indicates the maximum number of CSI-RS resources which can be activated by MAC CE for aperiodic NZP CSI-RS.

#### 4.3.4.y *nzp-CSI-RS-PeriodicInfo-r14*

This field indicates the support of periodic NZP CSI-RS transmission, separately per transmission mode (TM9, TM10). nMaxResource indicates the maximum number of CSI-RS resources which can be activated by MAC CE for periodic NZP CSI-RS.

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| END |