**3GPP TSG RAN WG1 #121** **R1-25xxxxx**

St Julian’s, Malta, May 19th – 23rd, 2025

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| *CR-Form-v12.2* | | | | | | | | |
| **DRAFT CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **38.213** | **CR** |  | **rev** |  | **Current version:** | **18.6.0** |  |
|  | | | | | | | | |
| *For* [***HELP***](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:*** | Rel-17 editorial corrections for TS 38.213 (mirrored to Rel-18) | | | | | | | | | |
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| ***Source to WG:*** | Samsung | | | | | | | | | |
| ***Source to TSG:*** | R1 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | NR\_newRAT-Core, TEI17, NR\_FeMIMO-Core | | | | |  | ***Date:*** | | | 2025-05-26 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | A |  | | | | | ***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 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:*** | | 1. Typo due to an incorrect update of math text (” should be ) in the pseudo-code in Clause 9.2.5. 2. Indication of TCI state by DCI format, for determining SS/PBCH block and associated PDCCH monitoring occasions for search space set zero, is missing in Clause 10.1. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | 1. Correct the typo in Clause 9.2.5. 2. Add “DCI format” for the indication of TCI state in Clause 10.1. | | | | | | | | |
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| ***Consequences if not approved:*** | | Ambiguous/incomplete specifications. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 9.2.5, 10.1 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | |  | | | | | | | | |

\*\*\* Unchanged text is omitted \*\*\*

### 9.2.5 UE procedure for reporting multiple UCI types

\*\*\* Unchanged text is omitted \*\*\*

Set to the cardinality of

Set to be the first symbol of resource in the slot

Set to be the number of symbols of resource in the slot

Set - index of first resource in set

Set - counter of overlapped resources

while

if

and resource overlaps with resource and the resources in set are of same priority index, or

and resource overlaps with resource , , the resources in set are of different priority indexes, and the UE is provided *uci-MuxWithDiffPrio*

then

;

;

else

if

determine a single resource for multiplexing UCI associated with resources as described in clauses 9, 9.2.5.0, 9.2.5.1, 9.2.5.2, 9.2.5.3, and 18

set the index of the single resource to

% start from the beginning after reordering unmerged resources at next step

;

% function that re-orders resources in current set

Set to the cardinality of

else

;

end if

end if

end while

The function performs the following pseudo-code

{

;

while % the next two while loops are to re-order the unmerged resources

;

while

if OR

;

;

;

end if

;

end while

;

end while

}

\*\*\* unchanged text omitted \*\*\*

## 10.1 UE procedure for determining physical downlink control channel assignment

\*\*\* unchanged text omitted \*\*\*

If a UE is not provided *pei-SearchSpace* for Type2A-PDCCH CSS set, the UE does not monitor PDCCH for Type2A-PDCCH CSS set on the DL BWP. The CCE aggregation levels and the maximum number of PDCCH candidates per CCE aggregation level for Type2A-PDCCH CSS set are given in Table 10.1-1. If the UE is provided *pei-SearchSpace* with zero value for the Type2A-PDCCH CSS set index, and for the SS/PBCH block and CORESET multiplexing patterns 2 and 3, the UE determines PDCCH monitoring occasions as described in clause 13 and the CCE aggregation levels and the number of PDCCH candidates per CCE aggregation level for Type2A-PDCCH CSS set are given in Table 10.1-1.

If a UE is provided a zero value for *searchSpaceID* in *PDCCH-ConfigCommon* for a Type0/0A/1A/2-PDCCH CSS set, the UE determines monitoring occasions for PDCCH candidates of the Type0/0A/1A/2-PDCCH CSS set as described in clause 13, and the UE is provided a C-RNTI, the UE monitors PDCCH candidates only at monitoring occasions associated with a SS/PBCH block, where the SS/PBCH block is determined by the most recent of

- a DCI format or a MAC CE activation command indicating a TCI state of the active BWP that includes a CORESET with index 0, as described in [6, TS 38.214], where the TCI-state includes a CSI-RS which is quasi-co-located with the SS/PBCH block, or

- a random access procedure that is not initiated by a PDCCH order that triggers a contention-free random access procedure, or

- configured-grant based PUSCH transmission in RRC\_INACTIVE state as described in clause 19.1.

If a UE monitors PDCCH candidates for DCI formats with CRC scrambled by a C-RNTI and the UE is provided a non-zero value for *searchSpaceID* in *PDCCH-ConfigCommon* for a Type0/0A/1A/2-PDCCH CSS set, or monitors PDCCH candidates for DCI formats with CRC scrambled by a MCCH-RNTI or a G-RNTI for broadcast and the UE is provided a non-zero value for *searchSpaceMCCH* and *searchSpaceMTCH* in *PDCCH-ConfigCommon* for a Type0B-PDCCH CSS set, or monitors PDCCH candidates for DCI formats with CRC scrambled by a Multicast MCCH-RNTI or a G-RNTI for multicast in RRC\_INACTIVE state and the UE is provided a non-zero value for *searchSpaceMulticastMCCH* and *searchSpaceMulticastMTCH* in *PDCCH-ConfigCommon* for a Type0B-PDCCH CSS set, the UE determines monitoring occasions for PDCCH candidates of the Type0/0A/1A/2-PDCCH CSS set, or of the Type0B-PDCCH CSS set, respectively, based on the search space set associated with the value of *searchSpaceID*.

\*\*\* unchanged text omitted \*\*\*