**3GPP TSG-RAN WG4 Meeting #102-e *R4-2204492***

**Electronic Meeting, 21st Feb –3rd Mar, 2022**

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| *CR-Form-v12.2* |
| **CHANGE REQUEST** |
|  |
|  | **38.133** | **CR** | **-** | **rev** | **-** | **Current version:** | **17.4.0** |  |
|  |
| *For* ***[HE](http://www.3gpp.org/3G_Specs/CRs.htm%22%20%5Cl%20%22_blank)******[LP](http://www.3gpp.org/3G_Specs/CRs.htm%22%20%5Cl%20%22_blank)*** *on using this form: comprehensive instructions can be found at <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:***  | Draft CR for Introduction of UL TCI state switching delay for unified TCI |
|  |  |
| ***Source to WG:*** | ZTE |
| ***Source to TSG:*** | R4 |
|  |  |
| ***Work item code:*** | NR\_feMIMO\_RRM |  | ***Date:*** | 2022-02-10 |
|  |  |  |  |  |
| ***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:*** | Add the introduction of requirements for active uplink TCI state switching delay for unified TCI |
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| ***Summary of change:*** | Introduction of requirements for active uplink TCI state switching delay for unified TCI |
|  |  |
| ***Consequences if not approved:*** | No requirements for active uplink TCI state switching delay for unified TCI |
|  |  |
| ***Clauses affected:*** | 8.16.1 |
|  |  |
|  | **Y** | **N** |  |  |
| ***Other specs*** |  | **x** |  Other core specifications  | TS/TR ... CR ...  |
| ***affected:*** | **X** |  |  Test specifications | TS38.533 |
| ***(show related CRs)*** |  | **x** |  O&M Specifications | TS/TR ... CR ...  |
|  |  |
| ***Other comments:*** |  |
|  |  |
| ***This CR's revision history:*** |  |

< Start of change #1 >

# 8 Signalling characteristics

## 8.16 Active uplink TCI state switching delay for unified TCI

### 8.16.1 Introduction

The requirements in this clause apply for a UE configured with one or more [TCI state] configurations for UL channels/signals and/or one or more [joint TCI state] configurations for both DL and UL channels/signals and/or one or more [pair of TCI states] configurations with one TCI state for DL channels/signals and one TCI state for UL channels/signals on serving cell or a cell with PCI different from a serving cell in standalone NR. There is no requirement when the UE is requested to switch to a TCI state with the higher layer parameter [TCI state] associated to SRS. UE shall complete the switch of active uplink TCI state within the delay defined in this clause when the UE is requested to switch to a TCI state with the higher layer parameter [TCI state] associated to a DL RS.

< End of change #1 >