**3GPP TSG-CT WG1 Meeting #134-eC1-221678**

**E-Meeting, 17th – 25th February 2022**

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| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
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|  | **23.041** | **CR** | 0230 | **rev** | 1 | **Current version:** | **17.2.0** |  |
|  | | | | | | | | |
| *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 | **X** |

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|  | | | | | | | | | | |
| ***Title:*** | Revert Test flag addition | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Nokia, Nokia Shanghai Bell | | | | | | | | | |
| ***Source to TSG:*** | C1 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | 5GProtoc17 | | | | |  | ***Date:*** | | | 2022-01-10 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | F |  | | | | | ***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 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-15 (Release 15) Rel-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | TS 23.041 has been updated with CR 0215 to support the inclusion of a test flag in a message request to simulate a PWS message without any actual transmission and without affecting RAN.  The update of the specs specifies that when Test Flag is included there shall be no broadcast, so “processed normally” should be the gNB behaviour when broadcast is \***not**\* being requested. No Broadcast Completed Area List should be included (since broadcast did not happen nor was it even requested).  "The Test Flag IE may be included to indicate to the NG-RAN node that the request is to be processed and responded to normally, but shall not result in broadcast over the air and shall not allocate any resources (i.e. the request cannot be cancelled)."  Based on the above analysis of specs, the test flag can be used only to “test” the signalling path between CBC and gNB-CU. The newly introduced text has caused confusion to RAN(stage-3) groups on how their specs are impacted. | | | | | | | | |
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| ***Summary of change:*** | | Revert the changes to avoid misunderstanding of the RAN impact. Non-standardized mechanisms can be used to implement the same functionality. | | | | | | | | |
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| ***Consequences if not approved:*** | | Unclear guidance to stage-3 on the changes needed. | | | | | | | | |
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| ***Clauses affected:*** | | 9.2.16, 9.2.26, new 9.3.64 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | |  | **X** | Other core specifications | | | | TS/TR ... CR ... | | |
| ***affected:*** | |  | **X** | Test specifications | | | | TS/TR ... CR ... | | |
| ***(show related CRs)*** | |  | **X** | O&M Specifications | | | | TS/TR ... CR ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

1st change

### 9.2.16 WRITE-REPLACE-WARNING-REQUEST Request/Indication

|  |  |  |
| --- | --- | --- |
| PARAMETER | REFERENCE | PRESENCE |
| Message Type | 9.3.28 | M |
| Message Identifier | 9.3.1 | M |
| Serial-Number | 9.3.3 | M |
| Repetition-Period E-UTRAN | 9.3.36 | M |
| No-of-Broadcasts-Requested | 9.3.9 | M |
| List of TAIs | 9.3.29 | O |
| Warning Area List | 9.3.30 | O |
| Extended Repetition-Period | 9.3.37 | O |
| Warning-Type | 9.3.24 | O |
| Warning-Security-Information | 9.3.25 | O |
| Data Coding Scheme | 9.3.18 | O (NOTE 1) |
| Warning Message Content E-UTRAN | 9.3.35 | O |
| OMC ID | 9.3.31 | O |
| Concurrent Warning Message Indicator | 9.3.32 | O |
| Send Write-Replace-Warning-Indication | 9.3.39 | O |
| Global eNB ID | 9.3.46 | O |
| List of NG-RAN TAIs | 9.3.54 | O |
| Warning Area List NG-RAN | 9.3.55 | O |
| Warning Message Content NG-RAN | 9.3.51 | O |
| Global RAN Node ID | 9.3.53 | O |
| RAT Selector NG-RAN | 9.3.56 | O |
| Warning Area Coordinates | 9.3.63 | O |
|  |  |  |
| NOTE1: The Data Coding Scheme IE is not required for ETWS primary notification but it is mandatory for ETWS secondary notification and CMAS warning messages when Warning Message Content E-UTRAN IE is present. | | |

This primitive is sent by the CBC to the MME or to the PWS-IWF.

The WRITE-REPLACE-WARNING-REQUEST Request/Indication primitive is to request the MME and the AMF to start or overwrite a warning message broadcast. The response to this Request/Indication primitive is sent by the MME or the AMF in a corresponding WRITE-REPLACE-WARNING-CONFIRM primitive.

If the message is sent to the MME, then the *List of TAIs* IE, the *Warning Area List* IE, the *Warning Message Content E‑UTRAN* IE and the *Global eNB ID* IE may be used and the *List of NG-RAN TAIs* IE, the *Warning Area List NG-RAN* IE, the *Warning Message Content NG-RAN* IE, the *Global RAN Node ID* IE and the *RAT Selector NG-RAN* IE shall not be used.

If the message is sent to the PWS-IWF, then the *List of NG-RAN TAIs* IE, the *Warning Area List NG-RAN* IE, the *Warning Message Content NG-RAN* IE, the *Global RAN Node ID* IE and the *RAT Selector NG-RAN* IE may be used and the *List of TAIs* IE, the *Warning Area List* IE, the *Repetition-Period E-UTRAN* IE, the *Extended Repetition Period* IE, the *Warning Message Content E-UTRAN* IE, and the *Global eNB ID* IE shall not be used. The WRITE-REPLACE-WARNING-REQUEST Request/Indication primitive shall then be forwarded to the AMF.

NOTE: For ETWS Primary Notification, the Repetition Period IE and the Number of Broadcasts Requested IE are ignored by eNB if included in WRITE-REPLACE-WARNING-REQUEST message (see 3GPP TS 36.413 [34]).

2nd change

### 9.2.26 WRITE-REPLACE-WARNING-REQUEST-NG-RAN Request/Indication

|  |  |  |
| --- | --- | --- |
| PARAMETER | REFERENCE | PRESENCE |
| Message Type | 9.3.28 | M |
| Message Identifier | 9.3.1 | M |
| Serial-Number | 9.3.3 | M |
| Repetition-Period NG-RAN | 9.3.52 | M |
| No-of-Broadcasts-Requested | 9.3.9 | M |
| RAT Selector NG-RAN | 9.3.56 | M |
| List of NG-RAN TAIs | 9.3.54 | O |
| Warning Area List NG-RAN | 9.3.55 | O |
| Warning-Type | 9.3.24 | O |
| Warning-Security-Information | 9.3.25 | O |
| Data Coding Scheme | 9.3.18 | O (NOTE) |
| Warning Message Content NG-RAN | 9.3.51 | O |
| OMC ID | 9.3.31 | O |
| Concurrent Warning Message Indicator | 9.3.32 | O |
| Send Write-Replace-Warning-Indication | 9.3.39 | O |
| Global RAN Node ID | 9.3.53 | O |
| Warning Area Coordinates | 9.3.63 | O |
|  |  |  |
| NOTE: The Data Coding Scheme IE is not required for ETWS primary notification but it is mandatory for ETWS secondary notification and CMAS warning messages when Warning Message Content NG-RAN IE is present. | | |

This primitive is sent by the CBCF to the AMF to request start or overwrite of a warning message broadcast and is responded to by the AMF in a WRITE-REPLACE-WARNING-CONFIRM-NG-RAN response.

NOTE: For ETWS Primary Notification, the Repetition Period IE and the Number of Broadcasts Requested IE are ignored by NG-RAN node if included in WRITE-REPLACE-WARNING-REQUEST-NG-RAN.

3rd change

### 9.3.64 Void

End of changes