**3GPP TSG-CT WG1 Meeting #133e-bisC1-220xxx**

**E-meeting, 17-21 January 2022 (was C1-220049)**

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| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
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|  | **23.041** | **CR** | **0228** | **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 | **X** | Radio Access Network |  | Core Network |  |

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| ***Title:*** | UE configuration for warning message reception in SNPNs | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Qualcomm Incorporated, Nokia, Nokia Shanghai Bell | | | | | | | | | |
| ***Source to TSG:*** | C1 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | eNPN | | | | |  | ***Date:*** | | | 2022-01-17 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **C** |  | | | | | ***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)* | |
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| ***Reason for change:*** | | SA1 replied in LS S1-214233 that for the case when the UE is using a PLMN subscription to access an SNPN, the configuration for warning message reception should be stored in the USIM.  TS 23.041 needs to be updated accordingly. | | | | | | | | |
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| ***Summary of change:*** | | The use of a USIM file for configuration of warning message reception when the UE is using a PLMN subscription to access an SNPN was added. | | | | | | | | |
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| ***Consequences if not approved:*** | | It will not be possible to configure the UE for warning message reception when the UE is using a PLMN subscription to access an SNPN. | | | | | | | | |
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| ***Clauses affected:*** | | 9.1.3.1 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | |  | | | | | | | | |

\*\*\* First change \*\*\*

#### 9.1.3.1 General

In GSM and UMTS, the cell broadcast service can be used to transfer CBS messages related to public warning. This requires reception of CBS messages to be permanently activated in the mobile terminal.

Warning message delivery is similar to cell broadcast service. It permits a number of unacknowledged warning messages to be broadcast to MS/UEs within a particular area. Reception of warning messages is enabled as defined later on in this specification.

For warning messages received from a PLMN, 3GPP TS 31.102 [18] defines a USIM data file for configuration of warning messages reception. In case of a non-existing or empty USIM data file, the MS/UE accepts all warning messages on all PLMNs. As specified in 3GPP TS 31.102 [18], the MS/UE can be configured to ignore all warning messages received in its HPLMN or in a PLMN equivalent to it. As specified in 3GPP TS 31.102 [18], the MS/UE can be configured to ignore all warning messages received in a VPLMN or in a PLMN equivalent to it.

A UE in limited service state, and configured according to the USIM data file to display warning messages on that PLMN, shall display warning messages to the user.

For warning messages received from an SNPN:

- 3GPP TS 23.122 [49] defines configuration parameters in each entry of the "list of subscriber data" for configuration of warning message reception. In case the configuration parameters are not present in the selected entry of the "list of subscriber data", the UE accepts all warning messages on all SNPNs. As specified in 3GPP TS 23.122 [49], when using an entry of the "list of subscriber data" to access an SNPN, the UE can be configured to ignore all warning messages received in the subscribed SNPN of the selected entry of the "list of subscriber data". As specified in 3GPP TS 23.122 [49], when using an entry of the "list of subscriber data" to access an SNPN, the UE can be configured to ignore all warning messages received in an SNPN other than the subscribed SNPN of the selected entry of the "list of subscriber data"; and

- 3GPP TS 31.102 [18] defines a USIM data file for configuration of warning message reception when the UE accesses an SNPN using the PLMN subscription. In case of a non-existing or empty USIM data file, the UE accepts all warning messages on all SNPNs. As specified in 3GPP TS 31.102 [18], the UE can be configured to ignore all warning messages received in an SNPN.

Editor's note [WI eNPN, CR#0228]: The USIM data file for configuration of warning message reception when the UE accesses an SNPN using the PLMN subscription needs to be defined by CT6.

In GSM, an ETWS capable MS uses the procedure as outlined in clause 9.1.3.2. See 3GPP TS 44.018 [26] and 3GPP TS 44.060 [27] for details on the radio interface.

In UMTS, an ETWS capable UE uses the procedure as outlined in clause 9.1.3.3. See 3GPP TS 25.331 [16] for details on the radio interface.

In E-UTRAN, an ETWS capable UE or a CMAS capable UE uses the procedures as outlined in clause 9.1.3.4. See 3GPP TS 36.331 [36] for details on the radio interface.

In NG-RAN, an ETWS capable UE or a CMAS capable UE uses the procedures as outlined in clause 9.1.3.5. See 3GPP TS 36.331 [36] and 3GPP TS 38.331 [48] for details on the radio interface.

\*\*\* End of changes \*\*\*