**3GPP TSG-CT WG1 Meeting #122-eC1-200890**

**Electronic meeting, 20-28 February 2020** *(revision of C1-200442)*

|  |
| --- |
| *CR-Form-v12.0* |
| **CHANGE REQUEST** |
|  |
|  | **23.041** | **CR** | **0208** | **rev** | **1** | **Current version:** | **16.2.0** |  |
|  |
| *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)*.* |
|  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Proposed change affects:*** | UICC apps |  | ME | **X** | Radio Access Network |  | Core Network | **X** |

|  |
| --- |
|  |
| ***Title:***  |  Addition of message identifiers for UEs with no user interface |
|  |  |
| ***Source to WG:*** | SyncTechno Inc. |
| ***Source to TSG:*** | C1 |
|  |  |
| ***Work item code:*** |  ePWS |  | ***Date:*** |  2020-02-27 |
|  |  |  |  |  |
| ***Category:*** | **B** |  | ***Release:*** |  Rel-16 |
|  | *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-12 (Release 12)**Rel-13 (Release 13)Rel-14 (Release 14)Rel-15 (Release 15)Rel-16 (Release 16)* |
|  |  |
| ***Reason for change:*** | It is needed to define new message identifiers of warning messages targeted for things, UEs with no user interface, so that things can directly extract information on characteristics of a disaster from message identifiers based on the conclusion of 3GPP TR 23.735. |
|  |  |
| ***Summary of change:*** | Following message identifiers are defined for warning messages dedicated to UEs with no user interface and with ePWS functionality.- 4401 : one message identifier to make UEs always receive a warning message and then take action regardless of the type of disasters and characteristics of a disaster according to the decision by authorities- 4402 to 4410 : message identifiders for warning message when a disaster occurs in order to enable UEs to directly extract information on characteristics of a disaster from message identifiers- 4411 : one message identifier for test message |
|  |  |
| ***Consequences if not approved:*** | Missing how to identify the characteristics of an event or a disaster by UEs with no user interface and with ePWS functionality. |
|  |  |
| ***Clauses affected:*** | 9.4.1.2.2 |
|  |  |
|  | **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>

##### 9.4.1.2.2 Message Identifier

This parameter identifies the source and type of the CBS message. For example, "Automotive Association" (= source), "Traffic Reports" (= type) could correspond to one value. A number of CBS messages may originate from the same source and/or be of the same type. These will be distinguished by the Serial Number. The Message Identifier is coded in binary.

The ME shall attempt to receive the CBS messages whose Message Identifiers are in the "search list". This "search list" shall contain the Message Identifiers stored in the EFCBMI, EFCBMID and EFCBMIR files on the SIM (see 3GPP TS 11.11) and any Message Identifiers stored in the ME in a "list of CBS messages to be received". If the ME has restricted capabilities with respect to the number of Message Identifiers it can search for, the Message Identifiers stored in the SIM shall take priority over any stored in the ME.

The use/application of the Message Identifier is shown in the following table, with octet 3 of the Message Identifier in hex shown first, followed by octet 4. Thus "1234" (hex) represents octet 3 = 0001 0010 and octet 4 = 0011 0100.

The MS shall discard a CBS message in Message Identifier value range "A000hex-AFFFhex" unless it is received from:

- HPLMN;

- EHPLMN; or

- PLMN that is equivalent to either HPLMN or EHPLMN.

Networks shall only use Message Identifiers from the range 4352 – 6399 (1100 hex – 18FF hex) for Public Warning System as defined in 3GPP TS 22.268 [28]. If a message Identifier from this range is in the "search list", the ME shall attempt to receive this CBS message. Processing of different language codes is specified in subclause 9.4.1.2.3 and subclause 9.4.2.2.4.

|  |  |  |
| --- | --- | --- |
| **Decimal** | **Hex** | **Meaning** |
| **0 – 999** | **0000 – 03E7** | To be allocated by GSMA(see GSMA AD.26 [25]). If a Message Identifier from this range is in the "search list", the ME shall attempt to receive such CBS message.This version of this document does not prohibit networks from using Message Identifiers in the range 0000 - 03E7 (hex) for Cell Broadcast Data Download to the SIM. |
| **1000** | **03E8** | LCS CBS Message Identifier for E-OTD Assistance Data message. |
| **1001** | **03E9** | LCS CBS Message Identifier for DGPS Correction Data message. |
| **1002** | **03EA** | LCS CBS Message Identifier for GPS Ephemeris and Clock Correction Data message. |
| **1003** | **03EB** | LCS CBS Message Identifier for GPS Almanac and Other Data message. |
| **1004 - 4095** | **03EC – 0FFF** | Intended for standardization in future versions of this document. These values shall not be transmitted by networks that are compliant to this version of this document. If a Message Identifier from this range is in the "search list", the ME shall attempt to receive this CBS message. |
| **4096 - 4223** | **1000 – 107F** | Networks shall only use Message Identifiers from this range for Cell Broadcast Data Download in "clear" (i.e. unsecured) to the SIM (see 3GPP TS 11.14). If a message Identifier from this range is in the "search list", the ME shall attempt to receive this CBS message.Not settable by MMI |
| **4224 - 4351** | **1080 – 10FF** | Networks shall only use Message Identifiers from this range for Cell Broadcast Data Download secured according to 3GPP TS 23.048 [15] to the SIM (see 3GPP TS 11.14). If a message Identifier from this range is in the "search list", the ME shall attempt to receive this CBS message.Not settable by MMI |
| **4352** | **1100** | ETWS CBS Message Identifier for earthquake warning message. |
| **4353** | **1101** | ETWS CBS Message Identifier for tsunami warning message. |
| **4354** | **1102** | ETWS CBS Message Identifier for earthquake and tsunami combined warning message. |
| **4355** | **1103** | ETWS CBS Message Identifier for test message.The UE silently discards this message. A UE specially designed for testing purposes may display its contents. |
| **4356** | **1104** | ETWS CBS Message Identifier for messages related to other emergency types. |
| **4357 - 4359** | **1105 - 1107** | ETWS CBS Message Identifier for future extension. |
| **4360 - 4369** | **1108 - 1111** | Intended for standardization in future versions of this document. These values shall not be transmitted by networks that are compliant to this version this document. If a Message Identifier from this range is in the "search list", the ME shall attempt to receive this CBS message. |
| **4370** | **1112** | CMAS CBS Message Identifier for CMAS Presidential Level Alerts.EU-Alert Level 1 Message Identifier for the local language as defined in ETSI TS 102 900 [32].Korean Public Alert System (KPAS) Class 0 Message Identifier.Not settable by MMI. |
| **4371** | **1113** | CMAS CBS Message Identifier for CMAS Extreme Alerts with Severity of Extreme, Urgency of Immediate, and Certainty of Observed.EU-Alert Level 2 Message Identifier for the local language as defined in ETSI TS 102 900 [32].Korean Public Alert System (KPAS) Class 1 Message Identifier.Settable by MMIFor subscriber opt-out requirements, see 3GPP TS 22.268 [28]. |
| **4372** | **1114** | CMAS CBS Message Identifier for CMAS Extreme Alerts with Severity of Extreme, Urgency of Immediate, and Certainty of Likely.EU-Alert Level 2 Message Identifier for the local language as defined in ETSI TS 102 900 [32].Korean Public Alert System (KPAS) Class 1 Message Identifier.Settable by MMIFor subscriber opt-out requirements, see 3GPP TS 22.268 [28]. |
| **4373** | **1115** | CMAS CBS Message Identifier for CMAS Severe Alerts with Severity of Extreme, Urgency of Expected, and Certainty of Observed.EU-Alert Level 3 Message Identifier for the local language as defined in ETSI TS 102 900 [32].Korean Public Alert System (KPAS) Class 1 Message Identifier.Settable by MMIFor subscriber opt-out requirements, see 3GPP TS 22.268 [28]. |
| **4374** | **1116** | CMAS CBS Message Identifier for CMAS Severe Alerts with Severity of Extreme, Urgency of Expected, and Certainty of Likely.EU-Alert Level 3 Message Identifier for the local language as defined in ETSI TS 102 900 [32].Korean Public Alert System (KPAS) Class 1 Message Identifier.Settable by MMIFor subscriber opt-out requirements, see 3GPP TS 22.268 [28]. |
| **4375** | **1117** | CMAS CBS Message Identifier for CMAS Severe Alerts with Severity of Severe, Urgency of Immediate, and Certainty of Observed.EU-Alert Level 3 Message Identifier for the local language as defined in ETSI TS 102 900 [32].Korean Public Alert System (KPAS) Class 1 Message Identifier.Settable by MMIFor subscriber opt-out requirements, see 3GPP TS 22.268 [28]. |
| **4376** | **1118** | CMAS CBS Message Identifier for CMAS Severe Alerts with Severity of Severe, Urgency of Immediate, and Certainty of Likely.EU-Alert Level 3 Message Identifier for the local language as defined in ETSI TS 102 900 [32].Korean Public Alert System (KPAS) Class 1 Message Identifier.Settable by MMIFor subscriber opt-out requirements, see 3GPP TS 22.268 [28]. |
| **4377** | **1119** | CMAS CBS Message Identifier for CMAS Severe Alerts with Severity of Severe, Urgency of Expected, and Certainty of Observed.EU-Alert Level 3 Message Identifier for the local language as defined in ETSI TS 102 900 [32].Korean Public Alert System (KPAS) Class 1 Message Identifier.Settable by MMIFor subscriber opt-out requirements, see 3GPP TS 22.268 [28]. |
| **4378** | **111A** | CMAS CBS Message Identifier for CMAS Severe Alerts with Severity of Severe, Urgency of Expected, and Certainty of Likely.EU-Alert Level 3 Message Identifier for the local language as defined in ETSI TS 102 900 [32].Korean Public Alert System (KPAS) Class 1 Message Identifier.Settable by MMIFor subscriber opt-out requirements, see 3GPP TS 22.268 [28]. |
| **4379** | **111B** | CMAS CBS Message Identifier for Child Abduction Emergency (or Amber Alert).EU-Amber Message Identifier for the local language as defined in ETSI TS 102 900 [32].Korean Public Alert System (KPAS) Class 1 Message Identifier.Settable by MMIFor subscriber opt-out requirements, see 3GPP TS 22.268 [28]. |
| **4380** | **111C** | CMAS CBS Message Identifier for the Required Monthly Test.According to CMAS requirements (see 3GPP TS 22.268 [28]), if this Message Identifier is in the "search list", the ME shall attempt to receive this CBS message. |
| **4381** | **111D** | CMAS CBS Message Identifier for CMAS Exercise.According to CMAS requirements (see 3GPP TS 22.268 [28]), if this Message Identifier is in the "search list", the ME shall attempt to receive this CBS message. |
| **4382** | **111E** | CMAS CBS Message Identifier for operator defined use.According to CMAS requirements (see 3GPP TS 22.268 [28]), if this Message Identifier is in the "search list", the ME shall attempt to receive this CBS message. |
| **4383** | **111F** | CMAS CBS Message Identifier for CMAS Presidential Level Alerts for additional languages.EU-Alert Level 1 Message Identifier for additional languages as defined in ETSI TS 102 900 [32].Korean Public Alert System (KPAS) Class 0 Message Identifier for additional languages.Not settable by MMI.The ME shall receive the messages dependent on the language indicated in the CBS message and the language indicator settings in the ME. |
| **4384** | **1120** | CMAS CBS Message Identifier for CMAS Extreme Alerts with Severity of Extreme, Urgency of Immediate, and Certainty of Observed for additional languages.EU-Alert Level 2 Message Identifier for additional languages as defined in ETSI TS 102 900 [32].Korean Public Alert System (KPAS) Class 1 Message Identifier for additional languages.Settable by MMI.The ME shall receive the messages dependent on the language indicated in the CBS message and the language indicator settings in the ME.For subscriber opt-out requirements, see 3GPP TS 22.268 [28]. |
| **4385** | **1121** | CMAS CBS Message Identifier for CMAS Extreme Alerts with Severity of Extreme, Urgency of Immediate, and Certainty of Likely for additional languages.EU-Alert Level 2 Message Identifier for additional languages as defined in ETSI TS 102 900 [32].Korean Public Alert System (KPAS) Class 1 Message Identifier for additional languages.Settable by MMI.The ME shall receive the messages dependent on the language indicated in the CBS message and the language indicator settings in the ME.For subscriber opt-out requirements, see 3GPP TS 22.268 [28]. |
| **4386** | **1122** | CMAS CBS Message Identifier for CMAS Severe Alerts with Severity of Extreme, Urgency of Expected, and Certainty of Observed for additional languages.EU-Alert Level 3 Message Identifier for additional languages as defined in ETSI TS 102 900 [32].Korean Public Alert System (KPAS) Class 1 Message Identifier for additional languages.Settable by MMI.The ME shall receive the messages dependent on the language indicated in the CBS message and the language indicator settings in the ME.For subscriber opt-out requirements, see 3GPP TS 22.268 [28]. |
| **4387** | **1123** | CMAS CBS Message Identifier for CMAS Severe Alerts with Severity of Extreme, Urgency of Expected, and Certainty of Likely for additional languages.EU-Alert Level 3 Message Identifier for additional languages as defined in ETSI TS 102 900 [32].Korean Public Alert System (KPAS) Class 1 Message Identifier for additional languages.Settable by MMI.The ME shall receive the messages dependent on the language indicated in the CBS message and the language indicator settings in the ME.For subscriber opt-out requirements, see 3GPP TS 22.268 [28]. |
| **4388** | **1124** | CMAS CBS Message for CMAS Severe Alerts with Severity of Severe, Urgency of Immediate, and Certainty of Observed for additional languages.EU-Alert Level 3 Message Identifier for additional languages as defined in ETSI TS 102 900 [32].Korean Public Alert System (KPAS) Class 1 Message Identifier for additional languages.Settable by MMI.The ME shall receive the messages dependent on the language indicated in the CBS message and the language indicator settings in the ME.For subscriber opt-out requirements, see 3GPP TS 22.268 [28]. |
| **4389** | **1125** | CMAS CBS Message for CMAS Severe Alerts with Severity of Severe, Urgency of Immediate, and Certainty of Likely for additional languages.EU-Alert Level 3 Message Identifier for additional languages as defined in ETSI TS 102 900 [32].Korean Public Alert System (KPAS) Class 1 Message Identifier for additional languages.Settable by MMI.The ME shall receive the messages dependent on the language indicated in the CBS message and the language indicator settings in the ME.For subscriber opt-out requirements, see 3GPP TS 22.268 [28]. |
| **4390** | **1126** | CMAS CBS Message Identifier for CMAS Severe Alerts with Severity of Severe, Urgency of Expected, and Certainty of Observed for additional languages.EU-Alert Level 3 Message Identifier for additional languages as defined in ETSI TS 102 900 [32].Korean Public Alert System (KPAS) Class 1 Message Identifier for additional languages.Settable by MMI.The ME shall receive the messages dependent on the language indicated in the CBS message and the language indicator settings in the ME.For subscriber opt-out requirements, see 3GPP TS 22.268 [28]. |
| **4391** | **1127** | CMAS CBS Message Identifier for CMAS Severe Alerts with Severity of Severe, Urgency of Expected, and Certainty of Likely for additional languages.EU-Alert Level 3 Message Identifier for additional languages as defined in ETSI TS 102 900 [32].Korean Public Alert System (KPAS) Class 1 Message Identifier for additional languages.Settable by MMI.The ME shall receive the messages dependent on the language indicated in the CBS message and the language indicator settings in the ME.For subscriber opt-out requirements, see 3GPP TS 22.268 [28]. |
| **4392** | **1128** | CMAS CBS Message Identifier for Child Abduction Emergency (or Amber Alert) for additional languages.EU-Amber Message Identifier for additional languages as defined in ETSI TS 102 900 [32].Korean Public Alert System (KPAS) Class 1 Message Identifier for additional languages.Settable by MMI.The ME shall receive the messages dependent on the language indicated in the CBS message and the language indicator settings in the ME.For subscriber opt-out requirements, see 3GPP TS 22.268 [28]. |
| **4393** | **1129** | CMAS CBS Message Identifier for the Required Monthly Test for additional languages.According to CMAS requirements (see 3GPP TS 22.268 [28]), if this Message Identifier is in the "search list", the ME shall attempt to receive this CBS message dependent on the language indicated in the CBS message and the language indicator settings in the ME. |
| **4394** | **112A** | CMAS CBS Message Identifier for CMAS Exercise for additional languages.According to CMAS requirements (see 3GPP TS 22.268 [28]), if this Message Identifier is in the "search list", the ME shall attempt to receive this CBS message dependent on the language indicated in the CBS message and the language indicator settings in the ME. |
| **4395** | **112B** | CMAS CBS Message Identifier for operator defined use for additional languages.According to CMAS requirements (see 3GPP TS 22.268 [28]), if this Message Identifier is in the "search list", the ME shall attempt to receive this CBS message dependent on the language indicated in the CBS message and the language indicator settings in the ME. |
| **4396** | **112C** | CMAS CBS Message Identifier for CMAS Public Safety Alerts.Settable by MMI.For subscriber opt-out requirements, see 3GPP TS 22.268 [28]. |
| **4397** | **112D** | CMAS CBS Message Identifier for CMAS Public Safety Alerts for additional languages.Settable by MMI.The ME shall receive the messages dependent on the language indicated in the CBS message and the language indicator settings in the ME.For subscriber opt-out requirements, see 3GPP TS 22.268 [28]. |
| **4398** | **112E** | CMAS CBS Message Identifier for CMAS State/Local WEA Test.Settable by MMI.For subscriber opt-out requirements, see 3GPP TS 22.268 [28]. |
| **4399** | **112F** | CMAS CBS Message Identifier for CMAS State/Local WEA Test for additional languages.Settable by MMI.The ME shall receive the messages dependent on the language indicated in the CBS message and the language indicator settings in the ME.For subscriber opt-out requirements, see 3GPP TS 22.268 [28]. |
| **4400** | **1130** | CMAS CBS Message Identifier for geo-fencing trigger messages. |
| **4401** | **1131** | Non-ETWS CBS Message Identifier for warning message dedicated to UEs with no user interface and with ePWS functionality.Not applicable for US WEA |
| **4402** | **1132** | Non-ETWS CBS Message Identifier for warning message dedicated to UEs with no user interface and with ePWS functionality when an earthquake occurs.Not applicable for US WEA |
| **4403** | **1133** | Non-ETWS CBS Message Identifier for warning message dedicated to UEs with no user interface and with ePWS functionality when a volcanic eruption occurs.Not applicable for US WEA |
| **4404** | **1134** | Non-ETWS CBS Message Identifier for warning message dedicated to UEs with no user interface and with ePWS functionality when a disaster whose characteristic is water (e.g. flood, typhoon, hurricane or tsunami) occurs.Not applicable for US WEA |
| **4405** | **1135** | Non-ETWS CBS Message Identifier for warning message dedicated to UEs with no user interface and with ePWS functionality when a disaster whose characteristic is fire (e.g. forest fire or building fire) occurs.Not applicable for US WEA |
| **4406** | **1136** | Non-ETWS CBS Message Identifier for warning message dedicated to UEs with no user interface and with ePWS functionality when a disaster whose characteristic is pressure (e.g. landslide or avalanche) occurs.Not applicable for US WEA |
| **4407** | **1137** | Non-ETWS CBS Message Identifier for warning message dedicated to UEs with no user interface and with ePWS functionality when a disaster whose characteristic is wind (e.g. tornado or gale) occurs.Not applicable for US WEA |
| **4408** | **1138** | Non-ETWS CBS Message Identifier for warning message dedicated to UEs with no user interface and with ePWS functionality when a disaster whose characteristic is dust (e.g. yellow dust or sandstorm) occurs.Not applicable for US WEA |
| **4409** | **1139** | Non-ETWS CBS Message Identifier for warning message dedicated to UEs with no user interface and with ePWS functionality when a disaster whose characteristic is chemical hazard (e.g. radiation leak or toxic substance leak) occurs.Not applicable for US WEA |
| **4410** | **113A** | Non-ETWS CBS Message Identifier for warning message dedicated to UEs with no user interface and with ePWS functionality when an epidemic occurs.Not applicable for US WEA |
| **4411** | **113B** | Non-ETWS CBS Message Identifier for test message dedicated to UEs with no user interface and with ePWS functionality.Not applicable for US WEA |
| **4412** | **113C** | ETWS CBS Message Identifier for warning message dedicated to UEs with no user interface and with ePWS functionality.Not applicable for Japan ETWS |
| **4413** | **113D** | ETWS CBS Message Identifier for warning message dedicated to UEs with no user interface and with ePWS functionality when an earthquake occurs.Not applicable for Japan ETWS |
| **4414** | **113E** | ETWS CBS Message Identifier for warning message dedicated to UEs with no user interface and with ePWS functionality when a volcanic eruption occurs.Not applicable for Japan ETWS |
| **4415** | **113F** | ETWS CBS Message Identifier for warning message dedicated to UEs with no user interface and with ePWS functionality when a disaster whose characteristic is water (e.g. flood, typhoon, hurricane or tsunami) occurs.Not applicable for Japan ETWS |
| **4416** | **1140** | ETWS CBS Message Identifier for warning message dedicated to UEs with no user interface and with ePWS functionality when a disaster whose characteristic is fire (e.g. forest fire or building fire) occurs.Not applicable for Japan ETWS |
| **4417** | **1141** | ETWS CBS Message Identifier for warning message dedicated to UEs with no user interface and with ePWS functionality when a disaster whose characteristic is pressure (e.g. landslide or avalanche) occurs.Not applicable for Japan ETWS |
| **4418** | **1142** | ETWS CBS Message Identifier for warning message dedicated to UEs with no user interface and with ePWS functionality when a disaster whose characteristic is wind (e.g. tornado or gale) occurs.Not applicable for Japan ETWS |
| **4419** | **1143** | ETWS CBS Message Identifier for warning message dedicated to UEs with no user interface and with ePWS functionality when a disaster whose characteristic is dust (e.g. yellow dust or sandstorm) occurs.Not applicable for Japan ETWS |
| **4420** | **1144** | ETWS CBS Message Identifier for warning message dedicated to UEs with no user interface and with ePWS functionality when a disaster whose characteristic is chemical hazard (e.g. radiation leak or toxic substance leak) occurs.Not applicable for Japan ETWS |
| **4421** | **1145** | ETWS CBS Message Identifier for warning message dedicated to UEs with no user interface and with ePWS functionality when an epidemic occurs.Not applicable for Japan ETWS |
| **4422** | **1146** | ETWS CBS Message Identifier for test message dedicated to UEs with no user interface and with ePWS functionality.Not applicable for Japan ETWS |
| **4423 - 6399** | **1147 – 18FF** | Intended as PWS range in future versions of the present document.These values shall not be transmitted by networks that are compliant to this version of this document. If a Message Identifier from this range is in the "search list", the ME shall attempt to receive this CBS message. |
| **6400** | **1900** | EU-Info Message Identifier for the local language as defined in ETSI TS 102 900 [32]. |
| **6401 – 40959** | **1901 – 9FFF** | Intended for standardization in future versions of this document . These values shall not be transmitted by networks that are compliant to this version of this document. If a Message Identifier from this range is in the "search list", the ME shall attempt to receive this CBS message. |
| **40960 - 45055** | **A000 - AFFF** | PLMN operator specific range. The type of information provided by PLMN operators using these Message Identifiers is not guaranteed to be the same across different PLMNs. If a Message Identifier from this range is in the "search list", the ME shall attempt to receive this CBS message. The MS shall discard messages in this MI value range unless received from HPLMN, EHPLMN or PLMN that is equivalent to HPLMN or EHPLMN. |
| **45056 - 61439** | **B000 - EFFF** | Intended as PLMN operator specific range in future versions of this document. These values shall not be transmitted by networks that are compliant to this version of this document. If a Message Identifier from this range is in the "search list", then the ME shall attempt to receive this CBS message. |
| **61440 - 65534** | **F000 - FFFE** | Intended as PLMN operator specific range in future versions of this document. These values shall not be transmitted by networks that are compliant to this version of this document. If a Message Identifier from this range is in the "search list", then the ME shall attempt to receive this CBS message.Not settable by MMI. |
| **65535** | **FFFF** | Reserved, and should not be used for new services, as this value is used on the SIM to indicate that no Message Identifier is stored in those two octets of the SIM. If this Message Identifier is in the "search list", the ME shall attempt to receive this CBS message.Not settable by MMI. |

Generally, the MMI for entering any Message in the ME is left to the manufacturers' discretion. However, the codes allowed to be set by MMI in the table above shall be capable of being specified via their decimal representation i.e.:

 Octet 3 Octet 4.

 0000 0000 0000 0000 (decimal '000').

 0000 0000 0000 0001 (decimal '001').

 0000 0000 0000 0010 (decimal '002').

 0000 0000 0000 0011 (decimal '003').

 : : :

 0000 1111 1111 1111 (decimal '4095').

 0001 0001 0000 0000 (decimal '4352').

 : : :

 0001 0001 0001 0001 (decimal '4369').

 0001 0001 0001 0011 (decimal '4371').

 : : :

 0001 0001 0001 1110 (decimal '4382').

 0001 0001 0010 0000 (decimal '4384').

 : : :

 1110 1111 1111 1111 (decimal '61439').

<Second Change>

### 9.3.24 Warning-Type

This parameter is set when ETWS is used. It has three fields in order to contain warning type value, emergency user alert and popup indications.

The warning type value field indicates the following 5 warning types as its values; earthquake, tsunami, earthquake and tsunami, test, and other. Also, other warning types can be defined in the future if it is required.

The values for this parameter are expressed in 7-bit string. The following table shows the values and their corresponding warning types.

|  |  |
| --- | --- |
| Warning typeValue | Warning type |
| 0000000 | Earthquake |
| 0000001 | Tsunami |
| 0000010 | Earthquake and Tsunami |
| 0000011 | Test |
| 0000100 | Other |
| 0000101 | Disasters for UEs with no user interface and with ePWS functionality |
| 0000110-1111111 | Reserved for future use |

The fields for emergency user alert and popup indications are type binary. They are used to command mobile terminals to activate emergency user alert and message popup in order to alert the users upon the reception of ETWS primary notification (e.g. paging message). The codings for the fields are shown below:

|  |  |  |
| --- | --- | --- |
| Field | Emergency User Alert | Popup |
| Value | 0 | 1 | 0 | 1 |
| Instruction to Terminal | No instruction as to emergency alert. | Activate emergency user alert. | No instruction as to popup. | Activate popup on the display. |

NOTE: Emergency user alert includes alerting tone and other user alerting means such as vibration, according to the UE's capability. The types of alert (e.g. the kind of tone, vibration, etc) are implementation dependent and may be subject to regulatory requirements.

The encoding of the Warning-Type parameter is as shown below. The warning type value shall be mutually exclusive and binary encoded.

|  |  |
| --- | --- |
| Octet 1 | Octet 2 |
| 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 |
| Warning Type Value | Emergency User | Popup | Padding |
|  | Alert |  |  |

The values of this parameter are sent to the mobile terminals (e.g. over the paging message which remotely activates the UE to receive CBS messages).