**3GPP TSG-CT1 Meeting #137-e *C1-224590***

**Online, 18th Aug 2022 - 26th Aug 2022**

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| *CR-Form-v12.2* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
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|  | **23.041** | **CR** | **0233** | **rev** | **-** | **Current version:** | **18.0.0** |  |
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| *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 | **X** |

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| ***Title:*** | CBS Message Identifiers for additional KPAS services | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | ETRI, KT Corp, SK Telecom, LG Uplus | | | | | | | | | |
| ***Source to TSG:*** | C1 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | TEI18 | | | | |  | ***Date:*** | | | 2022-08-08 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **B** |  | | | | | ***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)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | In SA1#98-e (May 2022), S1-221236 proposed adding different types of warning notifications already provided by Korean Ministry of Interior and Safety(MOIS). Specifically, the Extrem Emergency, Emergency, Public safety, and Amber warning notification types have been suggested. This CR has been approved in SA1#98-e and the proposed requirements have been added to TS22.268 Release 18 as new KPAS(Korean Public Alert System) requirements. Therefore, to support those types of warning notifications for KPAS, the relevant CBS message Ids must be assinged in TS 23.041. | | | | | | | | |
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| ***Summary of change:*** | | In clause 9.4.1.2.2 Message Identifier, the specific warning notification types are added to CBS Message Identifier 4370~4372 for Korean language and 4383~4385 for additional languages. Amber alerts are also added to CBS Message Identifier 4379 for Korean language and 4392 for additional languages. | | | | | | | | |
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| ***Consequences if not approved:*** | | Different warning alerts including Amber defined in KPAS are not fully supported. And consequently, 3GPP TS 23.041 Release 18 will not be alligned with TS 22.268 Release 18. | | | | | | | | |
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| ***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:*** | |  | | | | | | | | |

-------------------- Start of Proposal ----------------

##### 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.

In a PLMN, 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.

In an SNPN, the MS shall discard a CBS message in Message Identifier value range "A000hex-AFFFhex" unless it is received from a subscribed SNPN.

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 clause 9.4.1.2.3 and clause 9.4.2.2.4.

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| --- | --- | --- |
| **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 for Extreme Emergency alerts in Korean language.  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 for Emergency alerts in Korean language.  Settable by MMI  For 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 for Public Safety alerts in Korean language.  Settable by MMI  For 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 MMI  For 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 MMI  For 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 MMI  For 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 MMI  For 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 MMI  For 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 MMI  For 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 for Amber alerts in Korean language.  Settable by MMI  For 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 Extreme Emergency alerts in 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 Emergency alerts in 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 Public Safety alerts in 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 Amber alerts in 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.  EU-Alert Level 4 Message Identifier for the local language as defined in ETSI TS 102 900 [32].  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.  EU-Alert Level 4 Message Identifier for additional languages as defined in ETSI TS 102 900 [32].  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.  EU-Alert 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/SNPN operator specific range. The type of information provided by PLMN or SNPN operators using these Message Identifiers is not guaranteed to be the same across different PLMNs or SNPNs. If a Message Identifier from this range is in the "search list", the ME shall attempt to receive this CBS message. In a PLMN, the MS shall discard messages in this MI value range unless received from HPLMN, EHPLMN or PLMN that is equivalent to HPLMN or EHPLMN. In an SNPN, the MS shall discard messages in this MI value range unless received from a subscribed SNPN. |
| **45056 - 61439** | **B000 - EFFF** | Intended as PLMN/SNPN 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/SNPN 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').

-------------------- End of Proposal ----------------