**3GPP TSG-CT1 Meeting #134-e *C1-22xxxz***

**Online, , 17th Feb 2022 - 25th Feb 2022**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.2* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **24.282** | **CR** | **0298** | **rev** | **1** | **Current version:** | **16.8.0** |  |
|  | | | | | | | | |
| *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 | **X** |

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|  | | | | | | | | | | |
| ***Title:*** | Addition of new SDS Disposition Notification type for LMR Interworking | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Sepura Ltd | | | | | | | | | |
| ***Source to TSG:*** | C1 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | MCCI\_CT | | | | |  | ***Date:*** | | | 2022-02-09 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***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 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:*** | | If an LMR system is congested then it may temporarily decide not to respond on a per-device basis to group-addressed SDS Notification requests and indicate to the sender that the system has temporarily disabled Disposition Notification. A value needs to be allocated to carry this information to interworking-aware MC clients. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | New value is allocated to SDS Disposition Notification type, with a Note indicating that this is for interworking purposes. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | Potential FASMO and congestion issues congestion caused by an MC client repeatedly sending SDS message unnecessarily. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 15.2.5 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | | **X** |  | Other core specifications | | | | TS 29.582 CR .0016.. | | |
| ***affected:*** | |  |  | Test specifications | | | | TS/TR ... CR ... | | |
| ***(show related CRs)*** | |  |  | O&M Specifications | | | | TS/TR ... CR ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | | C1-221186 | | | | | | | | |

\* \* \* First Change \* \* \* \*

### 15.2.5 SDS disposition notification type

The purpose of the SDS disposition notification type information element is to identify the type of SDS disposition notification sent from receiver to the sender.

The value part of the SDS disposition notification type information element is coded as shown in Table 15.2.5-1.

The SDS disposition notification type information element is a type 3 information element with a length of 1 octet.

Table 15.2.5-1: SDS disposition notification type

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Bits | | | | | | | |  |  |
| 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |  |  |
|  |  |  |  |  |  |  |  |  |  |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |  | UNDELIVERED |
| 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |  | DELIVERED |
| 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |  | READ |
| 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |  | DELIVERED AND READ |
| 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |  | DISPOSITION PREVENTED BY SYSTEM (NOTE) |
|  |  |  |  |  |  |  |  |  |  |
| All other values are reserved.  NOTE: Usage of this value is described in 3GPP TS 29.582 [48]. | | | | | | | | | |

\* \* \* End Change \* \* \* \*