**3GPP TSG-RAN WG3 #107bis-e *R3-202570***

**Online, 20 – 30 April 2020**

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| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **38.470** | **CR** | **0065** | **rev** | **3** | **Current version:** | **16.1.0** |  |
|  | | | | | | | | |
| *For* [***HELP***](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 | **X** | Core Network |  |

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|  | | | | | | | | | | |
| ***Title:*** | Support of NR V2X SIB in gNB-DU | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Ericsson | | | | | | | | | |
| ***Source to TSG:*** | R3 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | 5G\_V2X\_NRSL | | | | |  | ***Date:*** | | | 2020-04-03 |
|  |  | | | |  | |  | | |  |
| ***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 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-12 (Release 12) Rel-13 (Release 13) Rel-14 (Release 14) Rel-15 (Release 15) Rel-16 (Release 16)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | Adding the V2X SIB message in the list of SIB encoded by the DU | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | The gNB-DU is responsible for encodign the V2X SIBs | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | Missing essential functionality description in stage 2 spec | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 3.3, 5.2.2 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | | **X** |  | Other core specifications | | | | TS 38.473 CR 0432,  TS … 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:*** | | Rev2: rebased to latest version of the spec and submitted to RAN3#107bis-e  Rev3: fixed editorial issues | | | | | | | | |

**START OF CHANGES**

## 3.3 Abbreviations

For the purposes of the present document, the abbreviations given in 3GPP TR 21.905 [1] and the following apply. An abbreviation defined in the present document takes precedence over the definition of the same abbreviation, if any, in 3GPP TR 21.905 [1].

DRB Data Radio Bearers

F1-U F1 User plane interface

F1-C F1 Control plane interface

F1AP F1 Application Protocol

GTP-U GPRS Tunnelling Protocol

IP Internet Protocol

NR-MIB NR-Master Information Block

O&M Operation and Maintenance

PA Paging Area

PF Paging Frame

PO Paging Occasion

QoS Quality of Service

RIM Remote Interference Management

RRC Radio Resource Control

SCTP Stream Control Transmission Protocol

SRB Signalling Radio Bearers

SIB1 System Information Block 1

TNL Transport Network Layer

V2X Vehicle-to-Everything

**NEXT CHANGE**

5.2.2 System Information management function

Scheduling of system broadcast information is carried out in the gNB-DU. The gNB-DU is responsible for transmitting the system information according to the scheduling parameters available.

The gNB-DU is responsible for the encoding of NR-MIB. In case broadcast of SIB1 and other SI messages is needed, the gNB-DU is responsible for the encoding of SIB1 and the gNB-CU is responsible for the encoding of other SI messages. The gNB-DU may re-encode SIB9.

The gNB-DU is responsible for the encoding of SIB12, SIB13 and SIB14 and broadcasting them over the air. The gNB-DU provides SIB12, SIB13 and SIB14 to the gNB-CU via the F1AP signalling.

To support Msg3 based on-demand SI as described in TS 38.331 [11], the gNB-CU can confirm the received SI request from the UE by including the UE identity, and command the gNB-DU to broadcast the requested other SIs.

**END OF CHANGES**