**3GPP TSG-RAN WG2 Meeting #111 Electronic *DRAFT R2-2008257***

**Elbonia, 17 – 28 August 2020**

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| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
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|  | **36.305** | **CR** | **0091** | **rev** |  | **Current version:** | 15.5.0 |  |
|  | | | | | | | | |
| *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 E-CID measurement reporting | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Nokia, Nokia Shanghai Bell | | | | | | | | | |
| ***Source to TSG:*** | R2 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | LCS\_LTE | | | | |  | ***Date:*** | | | 2020-08-06 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | F |  | | | | | ***Release:*** | | | 15 |
|  | *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)* | |
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| ***Reason for change:*** | | Section 4.3.3 states “*Although E-CID positioning may utilise some of the same measurements as the measurement control system in the RRC protocol, the UE generally is not expected to make additional measurements for the sole purpose of positioning; i.e., the positioning procedures do not supply a measurement configuration or measurement control message, and the UE reports the measurements that it has available rather than being required to take additional measurement actions*”.  This indicates the UE reports the measurements it has available rather than being required to perform new measurement. However, in Section 8.3.3.3.1 it says “*the UE performs the requested measurement*” as opposed to reporting the available measurement. | | | | | | | | |
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| ***Summary of change:*** | | 1. In Section 8.3.3.3.1, step 2 for downlink E-CID is corrected to say the UE reports the measurement if available and not perform the requested measurement.   **Impact analysis**  Impacted functionality: UE E-CID measurement reporting.  Inter-operability:  There are no inter-operability issues since the correction impacts only the UE. Whether the UE performs new measurements or uses already available measurements only the UE will still be reporting measurements back to E-SMLC. | | | | | | | | |
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| ***Consequences if not approved:*** | | Contradicting UE behavior regarding E-CID measurement reporting in different parts of the specification. | | | | | | | | |
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| ***Clauses affected:*** | | 8.3.3.3.1 | | | | | | | | |
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|  | | **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 ... | | |
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| ***Other comments:*** | | To be discussed: The earliest LTE release to introduce this correction and corrections for NR TS 38.305 for Rel-15 and Rel-16. | | | | | | | | |
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| ***This CR's revision history:*** | |  | | | | | | | | |

*First Modified Subclause*

## 8.3 Enhanced cell ID positioning methods

### 8.3.3 Downlink E-CID Positioning Procedures

##### 8.3.3.3.1 E-SMLC-initiated Location Information Transfer

Figure 8.3.3.3-1 shows the Location Information Transfer operations for the E-CID method when the procedure is initiated by the E-SMLC.



Figure 8.3.3.3-1: E-SMLC-initiated Location Information Transfer Procedure.

(1) The E-SMLC sends a LPP Request Location Information message to the UE for invocation of E-CID positioning. This request includes the E-CID measurements requested by the E-SMLC and supported by the UE as listed in Table 8.3.2.2-1 together with a required response time.

(2) The UE sends an LPP Provide Location Information message to the E-SMLC and reports the requested measurements that are available in the UE before the Response Time provided in step (1) elapsed. If the requested measurements are not available, or if the Response Time provided in step 1 elapsed before any of the requested measurements have been obtained, the UE returns any information that can be provided in an LPP message of type Provide Location Information which includes a cause indication for the not provided location information.

*End of changes*