**3GPP TSG-RAN3 Meeting #109-e *R3-205577***

**E-meeting, 17 - 28 August 2020**

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| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **38.423** | **CR** | **0436** | **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)*.* | | | | | | | | |
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| ***Proposed change affects:*** | UICC apps |  | ME |  | Radio Access Network | **X** | Core Network |  |

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|  | | | | | | | | | | |
| ***Title:*** | Multiple location reporting requests and report | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Huawei, Deutsche Telekom, Nokia, Nokia Shanghai Bell | | | | | | | | | |
| ***Source to TSG:*** | RAN3 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | NR\_newRAT-Core | | | | |  | ***Date:*** | | | 2020-08-05 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **A** |  | | | | | ***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:*** | | Currently only a single event type is included in the Location Reporting Information IE in the HANDOVER REQUEST and RETRIEVE UE CONTEXT RESPONSE message. If the source NG-RAN or the old serving NG-RAN node keep these two events and perform location report correspondingly, it can not send these two event types to the target NG-RAN node or the new NG-RAN node.  Also this may result at that the AMF and NG-RAN are not aligned in terms of the location report event type | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Introduce a new codepoint “change of serving cell and UE presence in the area of interest” in the event type.  Impact Analysis:  Impact assessment towards the previous version of the specification (same release):  This CR has isolated impact with the previous version of the specification (same release) because it clarifies the NG-RAN behaviour regarding the location report.  The impact can be considered isolated. | | | | | | | | |
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| ***Consequences if not approved:*** | | It is ambiguous about the NG-RAN user location reporting operation. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 9.2.3.47, 9.3.5. | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | | **x** |  | Other core specifications | | | | TS38.413 CR0445. | | |
| ***affected:*** | |  | **X** | Test specifications | | | | TS/TR ... CR ... | | |
| ***(show related CRs)*** | |  | **X** | O&M Specifications | | | | TS/TR ... CR ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

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| **Change begins** |

#### 9.2.3.47 Location Reporting Information

This information element indicates how the location information should be reported.

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| --- | --- | --- | --- | --- |
| IE/Group Name | Presence | Range | IE type and reference | Semantics description |
| Event Type | M |  | ENUMERATED (  report upon change of serving cell,  report UE moving presence into or out of the Area of Interest, …, report upon change of serving cell and Area of Interest) |  |
| Report Area | M |  | ENUMERATED (Cell, …) |  |
| Area of Interest Information | O |  | 9.2.3.48 |  |

<Unchanged Text Omitted>

### 9.3.5 Information Element definitions

-- ASN1START

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-- Information Element Definitions

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<Unchanged Text Omitted>

EventType ::= ENUMERATED {

report-upon-change-of-serving-cell,

report-UE-moving-presence-into-or-out-of-the-Area-of-Interest,

...,

Report-upon-change-of-serving-cell-and-Area-of-Interest

}

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| --- |
| **Change ends** |