**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 canbe 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 |
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| ***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.  |
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| ***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** |