**3GPP TSG-RAN WG3 #111-eR3-211087**

**Online, 25th January - 4th February 2021 was R3-210631**

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| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **36.413** | **CR** | **1804** | **rev** | **1** | **Current version:** | **16.4.0** |  |
|  | | | | | | | | |
| *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 | **X** |

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| ***Title:*** |  | | | | | | | | | |
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| ***Source to WG:*** |  | | | | | | | | | |
| ***Source to TSG:*** |  | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | TEI16 | | | | |  | ***Date:*** | | | 2021-01-14 |
|  |  | | | |  | |  | | |  |
| ***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-15 (Release 15) Rel-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | Section 10.3.2 requires, if a receiving entity comprehend all IEs or IE groups within messages of the same EP of the same standard version, if one IE or IE group is comprehended.  If several features are introduced in the same standard version, e.g. at the end of a release, implementations would either need to implement all new features or implement on application level handling of the not-supported features instead of using the criticality mechanism. | | | | | | | | |
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| ***Summary of change:*** | | Section 10.3.2 was modified to say that there is no requirement to comprehend all IEs or IE groups of an EP if one IE or IE group is understood.  Impact Analysis:  Impact assessment towards the previous version of the specification (same release):  The impact can be considered isolated because the change affects only implementations which considered IEs or IE groups comprehended without actually implementing the corresponding function. | | | | | | | | |
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| ***Consequences if not approved:*** | | If several features are introduced in the same standard version, e.g. at the end of a release, implementations would either need to implement all new features or implement on application level handling of the not-supported features instead of using the criticality mechanism. | | | | | | | | |
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| ***Clauses affected:*** | | 10.3.2 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | | **X** |  | Other core specifications | | | | 36.423, 36.443, 36.444, 36.455, 36.459, 36.463 | | |
| ***affected:*** | |  | **X** | Test specifications | | | |  | | |
| ***(show related CRs)*** | |  | **X** | O&M Specifications | | | |  | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | | **r1**:  - coversheet: added Release, and all TSs referencing Chapter 10 in TS 36.413.  - change specification text from “*may* be considered not comprehended” to “*shall* be considered not comprehended”.  **r0**: submission to RAN3#111 | | | | | | | | |

<<<<<<<<<<<<<<<<<<<< Begin of Changes >>>>>>>>>>>>>>>>>>>>

### 10.3.2 Criticality Information

In the S1AP messages there is criticality information set for individual IEs and/or IE groups. This criticality information instructs the receiver how to act when receiving an IE or an IE group that is not comprehended, i.e., the entire item (IE or IE group) which is not (fully or partially) comprehended shall be treated in accordance with its own criticality information as specified in subclause 10.3.4.

In addition, the criticality information is used in case of the missing IE/IE group abstract syntax error (see subclause 10.3.5).

The receiving node shall take different actions depending on the value of the Criticality Information. The three possible values of the Criticality Information for an IE/IE group are:

- Reject IE.

- Ignore IE and Notify Sender.

- Ignore IE.

The following rules restrict when a receiving entity may consider an IE, an IE group, or an EP not comprehended (not implemented), and when action based on criticality information is applicable:

1. IE or IE group: The comprehension of different IEs or IE groups within a standard version or between standard versions is not mandated. Any IE or IE group that is not supported shall be considered not comprehended, even if another IE or IE group EP from that standard version is comprehended, and action based on criticality shall be applied.

2. EP: The comprehension of different EPs within a standard version or between different standard versions is not mandated. Any EP that is not supported may be considered not comprehended, even if another EP from that standard version is comprehended, and action based on criticality shall be applied.

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