**3GPP TSG-RAN WG3 Meeting #108-eR3-204516**

**Online, June 1st – 11th 2020**

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| *CR-Form-v12.0* |
| **CHANGE REQUEST** |
|  |
|  | **38.300** | **CR** | **-** | **rev** | **-** | **Current version:** | **16.1.0** |  |
|  |
| *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:***  | draftCR TS 38.300 Mapping of Uplink Traffic to Backhaul RLC Channels |
|  |  |
| ***Source to WG:*** | Ericsson |
| ***Source to TSG:*** | R3 |
|  |  |
| ***Work item code:*** | NR\_IAB-Core |  | ***Date:*** | 2020-06-23 |
|  |  |  |  |  |
| ***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 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)* |
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| ***Reason for change:*** | Description of traffic mapping from upper layers to layer-2. |
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| ***Summary of change:*** | Description of traffic mapping from upper layers to layer-2. |
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| ***Consequences if not approved:*** | Stage-2 description of traffic mapping from upper layers to layer-2 missing. |
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| ***Clauses affected:*** | 6.11.2 |
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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 ...  |
|  |  |
| ***Other comments:*** |  |

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| ***This CR's revision history:*** |  |

-------------------------------------------Change 1-------------------------------------------

### 6.11.2 Traffic Mapping from Upper Layers to Layer-2

In upstream direction, the IAB-donor CU configures the IAB-node with mappings between upstream F1- and non-F1-traffic originated at the IAB-node, and the appropriate BAP routing ID and Backhaul RLC channel. A specific mapping is configured:

- for each F1-U GTP-U tunnel;

- for non-UE associated F1AP messages;

- for UE-associated F1AP messages of each UE;

- for non-F1 traffic.

Multiple mappings can contain the same Backhaul RLC channel and/or BAP routing ID.

These configurations are received via F1AP. During IAB-node integration, before F1AP is established, a default BH RLC channel and a default BAP routing ID are configured via RRC, which are used for all upper layer traffic.

In downstream direction, traffic mapping occurs internal to the IAB-donor. Transport for IAB-donors that use split-gNB architecture is handled in TS 38.401 [4].

In case the IAB-MT is NR-dual-connected (SA-mode only), the mapping may include two separate BH RLC channels, where the two BH RLC channels are established toward different parent IAB-DUs.

In case the IAB-node is configured with multiple IP addresses for F1-C on the NR leg, multiple mappings can be configured for non-UE-associated F1AP messages or UE-associated F1AP messages. The appropriate mapping is selected based on the IAB node’s implementation.

-------------------------------------------End of changes ------------------------------------------