**3GPP TSG-SA5 Meeting #162 *S5-253912***

Goteborg, Sweden, 25 - 29 August 2025

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| *CR-Form-v12.3* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  |  | **CR** | **0006** | **rev** | **1** | **Current version:** | **19.0.0** |  |
|  | | | | | | | | |
| *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:*** | Editorial changes | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Ericsson | | | | | | | | | |
| ***Source to TSG:*** | SA5 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | NR\_MOBILE\_IAB\_OAM | | | | |  | ***Date:*** | | | 2025-08-15 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | D |  | | | | | ***Release:*** | | | Rel-19 |
|  | *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-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)  Rel-20 (Release 20)* | |
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| ***Reason for change:*** | | Editorial changes | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | To correct typo | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | Errors in the specificaition | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 6.1.2 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

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| **1st Change** |

### 6.1.2 Use case IAB-node connects to management system

#### 6.1.2.1 Overview

IAB architecture is specified in 3GPP TS 38.401[5]. The IAB-node connects to an upstream IAB-node or an IAB-donor-DU via a subset of the UE functionalities of the NR Uu interface (named IAB-MT function of IAB-node). IAB-node differs from static NE in term of its wireless connection with IAB-donor-node and its mobility behaviours. Mobile IAB can move to different geographic areas or traverse to different PLMNs that require to connect to different management system based on its location.

IAB-node connects to management system at power up and during mobility by following PnC steps as described in clause 6.1.1. At step of IP autoconfiguration, IAB-node differs from static NE in term of obtaining IP configuration for OAM connectivity. When IAB-node powers up, IAB-node may get the initial IP configuration via PDU session that setup between IAB-MT and 5GC, using this connectivity IAB-node can obtain the initial IP configuration provided by IP autoconfiguration service (e.g. DHCP server), and additionally may perform DNS query depends on the operator's deployment scenario. The management system that IAB-node connects to may change due to IAB-node mobility behaviours. To support IAB-node connecting to a management system based on its location, IAB-node should obtain IP configuration for OAM connectivity that is associated to its location via notification operations as described in clause 6.1.2.2. With the IP configuration obtained IAB-node performs the subsequent PnC procedures, satisfies security aspects including CA/RA enrolment and connectivity to SeGW before connecting to SCS.

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| **End of change** |