**3GPP TSG-SA3 Meeting #123 draft S3-252929-r1**

Goteborg, Sweden, 25 – 29 August 2025

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| *CR-Form-v12.1* |
| **CHANGE REQUEST** |
|  |
|  | **33.545** | **CR** | **0022** | **rev** | **1** | **Current version:** | **19.1.0** |  |
|  |
| *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 |  | Core Network | **X** |

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| ***Title:***  | Changes based on RAN3 input |
|  |  |
| ***Source to WG:*** | Huawei, HiSilicon |
| ***Source to TSG:*** | S3 |
|  |  |
| ***Work item code:*** | 5G\_Femto\_Sec |  | ***Date:*** | 2025-08-25 |
|  |  |  |  |  |
| ***Category:*** | **F** |  | ***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 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-15 (Release 15)Rel-16 (Release 16)Rel-17 (Release 17)Rel-18 (Release 18)* |
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| ***Reason for change:*** | RAN3 sent a LS to SA3 pointing out two issues: CAG ID verification and access mode.This contribution provides the necessary modifications to align with RAN# updates. |
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| ***Summary of change:*** | Deletion of “operating in closed access mode”, and modification of the CAG ID verification requirements to make it mandatory for each CAG ID for each Femto cell.  |
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| ***Consequences if not approved:*** | Misaligned specifications. |
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| ***Clauses affected:*** | 5.8 |
|  |  |
|  | **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:*** |  |

\*\*\*\*\*\*\*\*\*\*\*\*Start of Change\*\*\*\*\*\*\*\*\*\*\*\*

## 5.8 CAG ID verification

The NR Femto GW shall verify that all UE associated messages from a Femto cell can be mapped to a specific CAG ID and that this CAG ID is allowed for the identity of the originating Femto. In the absence of a NR Femto GW, the AMF shall perform this CAG ID verification.

One NR Femto can host multiple Femto cells. Cells may belong to PNI-NPN. Hence, the CAGID verification shall be applied to all the CAG IDs mapping to individual Femto cells. The existing CAG concept defined for PNI-NPN in TS 23.501 [2] clause 5.30.3 shall be re-used for Femtocell access control.

NOTE 1: The CAG ID being verified may be explicitly present in the message as an information element or may be mapped by other means.

NOTE 2: The above requirement implies that the network has to ensure that all UE-associated messages from Femtocell are subject to the above verification, even if a (rogue) message from a compromised Femto would not indicate to originate from a NR Femto.

\*\*\*\*\*\*\*\*\*\*\*\*End of Change\*\*\*\*\*\*\*\*\*\*\*\*