**3GPP TSG-CT WG4 Meeting #97eC4-202145**

**E-Meeting, 15th – 24th April 2020**

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| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
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|  | **23.008** | **CR** | **0579** | **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 |  | Core Network | **X** |

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| ***Title:*** | Support of inter-RAT HO from NR SA to EN-DC | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | NTT DOCOMO | | | | | | | | | |
| ***Source to TSG:*** | CT4 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | TEI16 | | | | |  | ***Date:*** | | | 2020-04-08 |
|  |  | | | |  | |  | | |  |
| ***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-12 (Release 12)* *Rel-13 (Release 13) Rel-14 (Release 14) Rel-15 (Release 15) Rel-16 (Release 16)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | As described in CR#2127 of TS 23.502 (available in S2-2002551), access restriction for subscription profile needs to be provided from AMF to MME during inter RAT handover from NR SA to EN-DC in order to support adequate SGW selection at MME, as well as to avoid allocating unnecessary resources for secondary RAT at EPC in case it is restricted. | | | | | | | | |
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| ***Summary of change:*** | | Clarify that access restriction can be sent from AMF to MME for the purpose of (1) adequate SGW selection at MME based on subscription profile, and (2) to avoid allocating unnecessary resources for secondary RAT at EPC if it is restricted, during inter RAT handover from NR SA to EN-DC. | | | | | | | | |
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| ***Consequences if not approved:*** | | Mis-alignment with the agreed CR for TS 23.502 in CR#2127. | | | | | | | | |
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| ***Clauses affected:*** | | 2.25.47 | | | | | | | | |
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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:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

**\*\*\* First Change \*\*\***

### 2.25.47 Access Restriction Data

The use of this data is described in 3GPP TS 23.501 [112] clause 5.3.4.1.1.

The Access Restriction Data is permanent subscriber data and is conditionally stored per PLMN in the UDM and the AMF.

The parameter takes either of the following values:

- NR not allowed as primary RAT, the subscriber shall not be allowed to access the network in TAs using NR radio access. Valid for Idle and Connected mode;

- NR not allowed as secondary RAT, the subscriber shall not be allowed to access the network using NR radio access as secondary RAT. Valid for Connected mode;

NOTE: As specified in clause 4.11.1.2.1 of 3GPP TS 23.502 [113], this restriction can also be applied when attached to EPC depending on operator policy, and in this case AMF will send this information to MME during handover from 5GC to EPC in order to allow MME to make appropriate handling, e.g. SGW selection based on access restriction, or whether or not to allocate resources for secondary RAT during inter RAT handover.

- NR in unlicensed bands not allowed as primary RAT, the subscriber shall not be allowed to access the network in TAs using NR radio access in unlicensed bands. Valid for Idle and Connected mode;

- NR in unlicensed bands not allowed as secondary RAT, the subscriber shall not be allowed to access the network using NR radio access in unlicensed bands as secondary RAT. Valid for Connected mode;

- E-UTRA not allowed as primary RAT, the subscriber shall not be allowed to access the network in TAs using E-UTRA radio access. Valid for Idle and Connected mode;

- E-UTRA not allowed as secondary RAT, the subscriber shall not be allowed to access the network using E-UTRA radio access as secondary RAT. Valid for Connected mode;

- E-UTRA in unlicensed bands not allowed as secondary RAT, the subscriber shall not be allowed to access the network using E-UTRA radio access in unlicensed bands as secondary RAT. Valid for Connected mode;

- NB-IoT not allowed, the subscriber shall not be allowed to access the network in TAs using NB-IoT radio access. Valid for Idle and Connected mode;

- LTE-M not allowed, the subscriber shall not be allowed to access the network in TAs using LTE-M radio access. Valid for Idle and Connected mode.

Only the access restriction for WB-E-UTRA and NB-IoT may include a different value per PLMN.

The use of this parameter for TA update procedures is described in 3GPP TS 23.501 [112].

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