**3GPP TSG-CT WG1 Meeting #125-eC1-204525**

**Electronic meeting, 20-28 August 2020**

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| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
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|  | **24.501** | **CR** | 2403 | **rev** | **1** | **Current version:** | **16.5.1** |  |
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| *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:*** | Clarification on the condition when the allowed NSSAI IE shall be included in the REGISTRATION ACCEPT message | | | | | | | | | |
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| ***Source to WG:*** | ZTE | | | | | | | | | |
| ***Source to TSG:*** | C1 | | | | | | | | | |
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| ***Work item code:*** | eNS | | | | |  | ***Date:*** | | | 2020-07-23 |
|  |  | | | |  | |  | | |  |
| ***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) Rel-17 (Release 17)* | |
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| ***Reason for change:*** | | In TS 24.501 subclause 8.2.7.5, the condition when the allowed NSSAI IE shall be included in the REGISTRATION ACCEPT message is stated as follows:  *“This IE shall be included:*  *a) if the network* ***allows*** *one or more S-NSSAIs received in the requested NSSAI of the REGISTRATION REQUEST message; or*  *b) if:*  *1) the requested NSSAI was not included in the REGISTRATION REQUEST message or none of the requested NSSAI are allowed; and*  *2) the network has one or more subscribed S-NSSAIs marked as default which are not subject to network slice-specific authentication and authorization that are available.”*  The statement in bullet a) above is not accurate since “allow” means “allowed by the AMF” in the spec and does not necessarily cover the situation e.g. the S-NSSAIs are not subejct to NSSAA or have successfully performed NSSAA.  The accurate statement of such condition can refer to the statement in subsection 5.5.1.3.4:  *“The AMF shall in the REGISTRATION ACCEPT message include:*  *1) the allowed NSSAI containing the S-NSSAI(s) or the mapped S-NSSAI(s), if any:*  *i) which are not subject to network slice-specific authentication and authorization and are* ***allowed by the AMF****; or*  *ii) for which the network slice-specific authentication and authorization has been successfully performed.”* | | | | | | | | |
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| ***Summary of change:*** | | The condition when the allowed NSSAI IE shall be included in the REGISTRATION ACCEPT message should be stated more accurately and avoid ambiguity, and the change is as follows:  *“This IE shall be included:*  *a) if:*  *1) one or more S-NSSAIs in the requested NSSAI of the REGISTRATION REQUEST message are not subject to network slice-specific authentication and authorization and are allowed by the AMF; or*  *2) the network slice-specific authentication and authorization has been successfully performed for one or more S-NSSAIs in the requested NSSAI of the REGISTRATION REQUEST message; or*  *b) if:*  *1) the requested NSSAI was not included in the REGISTRATION REQUEST message or none of the requested NSSAI are allowed; and*  *2) the network has one or more subscribed S-NSSAIs marked as default which are not subject to network slice-specific authentication and authorization that are available.”* | | | | | | | | |
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| ***Consequences if not approved:*** | | The condition when the allowed NSSAI IE shall be included in the REGISTRATION ACCEPT message is not accurate, which may lead to wrong inclusion of the Allowed NSSAI IE. Furthermore, it is not consistent with the clarification on the content of allowed NSSAI in the spec. | | | | | | | | |
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| ***Clauses affected:*** | | 8.2.7.5 | | | | | | | | |
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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 \* \* \* \*

#### 8.2.7.5 Allowed NSSAI

This IE shall be included:

a) if:

1) one or more S-NSSAIs in the requested NSSAI of the REGISTRATION REQUEST message are allowed by the AMF for a network not supporting NSSAA;

2) one or more S-NSSAIs in the requested NSSAI of the REGISTRATION REQUEST message are not subject to network slice-specific authentication and authorization and are allowed by the AMF; or

3) the network slice-specific authentication and authorization has been successfully performed for one or more S-NSSAIs in the requested NSSAI of the REGISTRATION REQUEST message; or

b) if:

1) the requested NSSAI was not included in the REGISTRATION REQUEST message or none of the requested NSSAI are allowed; and

2) the network not supporting NSSAA has one or more subscribed S-NSSAIs marked as default that are available; or

3) the network has one or more subscribed S-NSSAIs marked as default which are not subject to network slice-specific authentication and authorization that are available.

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