**3GPP TSG-SA WG2 Meeting #143-eS2-210xxxx**

**E-Meeting, 24th February – 09th March 2021**

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| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  |  | **CR** | **<CR#>** | **rev** | **<Rev#>** | **Current version:** | **<Version#>** |  |
|  | | | | | | | | |
| *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:*** | General structure of UE Onboarding Feature | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Ericsson | | | | | | | | | |
| ***Source to TSG:*** | <Source\_if\_TSG> | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | eNPN | | | | |  | ***Date:*** | | | <Res\_date> |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **B** |  | | | | | ***Release:*** | | | Rel-17 |
|  | *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-15 (Release 15) Rel-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | |  |  | Other core specifications | | | | TS/TR ... CR ... | | |
| ***affected:*** | |  |  | Test specifications | | | | TS/TR ... CR ... | | |
| ***(show related CRs)*** | |  |  | O&M Specifications | | | | TS/TR ... CR ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

\*\*\*\*\* Start of changes \*\*\*\*\*

## 5.30 Support for non-public networks

### 5.30.1 General

A Non-Public Network (NPN) is a 5GS deployed for non-public use, see TS 22.261 [2]. An NPN is either:

- a Stand-alone Non-Public Network (SNPN), i.e. operated by an NPN operator and not relying on network functions provided by a PLMN, or

- a Public Network Integrated NPN (PNI-NPN), i.e. a non-public network deployed with the support of a PLMN.

NOTE: An NPN and a PLMN can share NG-RAN as described in clause 5.18.

Stand-alone NPN are described in clause 5.30.2 and Public Network Integrated NPNs are described in clause 5.30.3.

Aspects related to Onboarding and Remote Provisioning of UEs are described in clause 5.30.X

\*\*\*\*\* Next change \*\*\*\*\*

### 5.30.X Onboarding and Remote Provisioning of UEs in Non-Public Networks

#### 5.30.X.1 General

Editor’s Note: This clause should have an overview or general description of onboarding both SNPNs and PNI-NPNs. The applicability scenarios, and a general architecture. Where differences appear between SNPN and PNI-NPNs, the description should be moved to the following sections.

#### 5.30.X.2 Onboarding and Remote Provisioning of UEs in SNPNs

##### 5.30.X.2.1 General

Editor’s Note: This clause should have an overview or general description of onboarding in SNPNs, including an introduction to the two components below.

##### 5.30.X.2.2 Architecture

5.30.x.2.2.1 General

Editor’s Note: Architectural aspects should be described in this clause.

5.30.x.2.2.2 Broadcast Information

Editor’s Note: This clause should described the broadcasting information for supporting onboarding in NG-RAN

5.30.x.2.2.3 UE Configuration Aspects

Editor’s Note: This clause should described the configuration required or assumed in the UE for supporting onboarding.

##### 5.30.X.2.3 Initial Connectivity

Editor’s Note: This clause should specify the 3GPP connectivity for UE to realize remote provisioning in SNPNs

##### 5.30.X.2.4 Remote Provisioning of UEs in SNPNs

5.30.X.2.4.1 General

Editor’s Note: This clause should introduce the following subclauses.

5.30.X.2.4.2 User Plane Remote Provisioning of UEs in SNPNs

Editor’s Note: This clause should specify the user plane remote provisioning procedures of UEs in SNPNs.

5.30.X.2.4.3 Control Plane Remote Provisioning of UEs in SNPNs

Editor’s Note: This clause should specify the control plane remote provisioning procedures of UEs in SNPNs.

#### 5.30.X.3 Onboarding and Remote Provisioning of UEs in PNI-NPNs

##### 5.30.X.3.1 General

Editor’s Note: This clause should have an overview or general description of onboarding in SNPNs, including an introduction to the two components below.

##### 5.30.X.3.2 Architecture

Editor’s Note: Architectural aspects should be described in this clause

##### 5.30.X.3.3 Initial Connectivity

Editor’s Note: This clause should indicate that the UE is assumed to have regular PLMN credentials, so the initial connectivity is granted by the PLMN.

##### 5.30.X.3.4 Remote Provisioning of UEs in PNI-NPNs

5.30.X.3.4.1 General

Editor’s Note: This clause should introduce the following clauses.

5.30.X.3.4.2 User Plane Remote Provisioning of UEs in PNI-NPNs

Editor’s Note: This clause should specify the user plane remote provisioning procedures of UEs in PNI-NPNs.

5.30.X.3.4.3 Control Plane Remote Provisioning of UEs in PNI-NPNs

Editor’s Note: This clause should specify the control plane remote provisioning procedures of UEs in PNI‑NPNs.

\*\*\*\*\* End of changes \*\*\*\*\*