**SA WG2 Meeting #143E S2-20xxxxx**

**24 February-09 March 2021, Elbonia (revision of S2-20xxxx)**

**Source: Ericsson (Rapporteur)**

**Title: eNPN work plan**

**Document for: Information**

**Agenda Item: TBD**

**Work Item / Release: eNPN / Rel-17**

*Abstract of the contribution: This contribution proposes a work plan for eNPN.*

# Work areas and coordination input

This is the work plan to identify work areas and volunteers for eNPN work item.

1. Identify the required tasks (e.g. CRs and content) of the work plan below, ready by DATE-1?
2. When tasks are settled, identify volunteers to write and drive CR(s) per task of the work plan below
3. Volunteers should upload first draft of normative CR(s) to the SA2#143E DRAFT folder by DATE-2(?), to allow other companies to provide comments, updates and cosigning (discussions to use SA2 discussion mail list).
4. During the SA2#143E meeting, it is recommended to use the corresponding volunteer’s CR as the baseline unless the volunteer's CR doesn’t help reach consensus and the concerns against the volunteer’s CRs are well justified to consider other CRs.
   1. If we are unable to reach consensus, we can also highlight the issues during CC#1 to determine the way forward.

NOTE: The work plan below includes aspects that are concluded and agreed to be part of the WID, i.e. aspects requiring further study in Q1 2021 are excluded.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **"Key Issue #1"**  **Enhancements to Support SNPN along with credentials owned by an entity separate from the SNPN** | | | | |
| **Tasks** | **Title** | **SA2#143E**  **Volunteer/driver**  **(company, mail address)** | **Status/Comments** | **Clause impacted** |
| KI#1:T1 | Feature description |  | - A general introduction to the feature.  - SNPN selection  - Separate entity with AUSF and UDM  - Separate entity with PLMN subscription | 23.501 new clause Option 1: 5.30.x new and a reference from clause 5.30.1  Option 2: Merge content into 5.30.2 |
| KI#1:T2 | Procedure updates |  |  | 23.502 |
| KI#1:T3 | separate entity with AAA - … |  | Normative work will start after feedback from SA3 is received on whether new NF or existing AUSF is enhanced. | 23.501  23.502 |
| KI#1:T4 | Update of Separate entity controlled prioritized list of preferred SNPNs |  | LS out first and then CRs in Q2? | 23.501  23.502 |
| **"Key Issue #2"**  **NPN support for Video, Imaging and Audio for Professional Applications (VIAPA)** | | | | |
| **Tasks** | **Title** | **SA2#143E**  **Volunteer/driver**  **(company, mail address)** | **Status/Comments** |  |
| KI#2:T1 | Informative guideline for how to use existing Rel-16 mechanisms and information to support VIAPA services |  |  | TS 23.501  Updates to Annex D |
| KI#2:T2 | Informative guideline for mapping between standardized 5QI/ARP and DSCP marking to enable the PLMN and SNPN to use the same mapping values for UL and DL user plane traffic within SNPN and PLMN |  |  | TS 23.501  Updates to Annex D? |
| **"Key Issue #3"**  **Support of IMS voice and emergency services for SNPN** | | | | |
| **Tasks** | **Title** | **SA2#143E**  **Volunteer/driver**  **(company, mail address)** | **Status/Comments** |  |
| KI#3:T1 | Use of IMC when USIM or ISIM is not available |  | See solution #21  LS out to WGs responsible of specs identified by solution #21? | TS 23.228 |
| KI#3:T2 | Reuse of USIM credentials for IMS AKA shall be possible when USIM is available in UEs accessing IMS via an SNPN |  | Q: Any SA2 changes required? |  |
| KI#3:T3 | Support of voice and emergency services with SNPN |  | Excluding EPS fallback and T-ADS  Updates to IMS Emergency support functional description when the serving network is a SNPN | TS 23.501 |
|  |  | TS 23.502 |
|  |  | TS 23.503 |
| KI#3:T4 | Domain selection for voice and emergency |  |  | TS 23.167 |
| **"Key Issue #4"**  **UE onboarding and remote provisioning** | | | | |
| **Tasks** | **Title** | **SA2#143E**  **Volunteer/driver**  **(company, mail address)** | **Status/Comments** |  |
| KI#4:T1 | General  Architecture (SNPN and PNI-NPN) |  | A general introduction to the feature and architecture (for SNPN and PNI-NPN) | TS 23.501  New clause 5.x? |
| KI#4:T2 | UE Onboarding Component #1: 3GPP connectivity for UE to realize remote provisioning (SNPN) |  |  | TS 23.501 |
|  |  | TS 23.502 |
| KI#4:T3 | UE Onboarding component #2: Enabling restricted PDU Session for remote provisioning of UE using User Plane (SNPN+PNI-NPN) |  |  | TS 23.501 |
|  |  | TS 23.502 |
|  |  | TS 23.503 |
| KI#4:T4 | UE onboarding Component #2: Enabling remote provisioning of UE using Control Plane for PNI-NPN |  |  | TS 23.501 |
|  |  | TS 23.502 |