

06 - 10 October 2003

Povoa de Varzim, Portugal

**Title:** LS response to Stage 2 requirements for subscriber certificate work item  
**Response to:** LS Response on Stage 3 level specification directions for support for subscriber certificate work item (S3-030502 = N4-031061)  
**Release:** REL-6  
**Work Item:** Support for subscriber certificates (SEC1-SC)  
**Source:** SA3  
**To:** CN1, CN4

**Contact Person:**

**Name:** Tao Haukka  
**Tel. Number:** +358 40 5170079  
**E-mail Address:** tao.haukka@nokia.com

**Attachments:** None

**1. Overall Description:**

SA3 thanks CN1 and CN4 for their commitment of the stage 3 work for subscriber certificate WI. As the guidance for stage 3 requirements, below are SA3 approved stage 2 requirements for UE-BSF (Ub) interface and BSF-HSS (Zh) interface.

Requirements on Ub interface (protocol A)

- The BSF shall be able to identify the UE.
- The BSF and the UE shall be able to authenticate each other based on AKA.
- The BSF shall be able to send a transaction identifier to UE.

Requirements on Zh interface (protocol C)

- The BSF shall be able to communicate securely with the subscriber's HSS.

*(Editor's note: this requirement is fulfilled automatically if BSF and HSS are in same operator's network.)*

- The BSF shall be able to send bootstrapping information request concerning a subscriber.
- The HSS shall be able to send authentication vectors to the BSF in batches.
- The HSS shall be able to send the subscriber's GAA profiles to the BSF.

*(Editor's note: it's ffs how to proceed in the case where profile is updated in HSS after profile is forwarded. The question is whether this profile change should be propagated to BSF.)*

- No state information concerning bootstrapping shall be required in the HSS.
- All procedures over Zh interface shall be initiated by the BSF.
- It is preferred to reuse existing specifications if possible.
- The number of different interfaces to HSS should be minimized.

**2. Actions:**

None.

**3. Date of Next TSG-S3 Meetings:**

Meeting	Date	Location	Host
SA3#31	18-21 November, 2003	Munich, Germany	The European Friends of 3GPP
SA3#32	09-13 February, 2004	TBD	TBD