

Title: Pseudo CR for High Level Requirements for UICC re-use
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Discussion

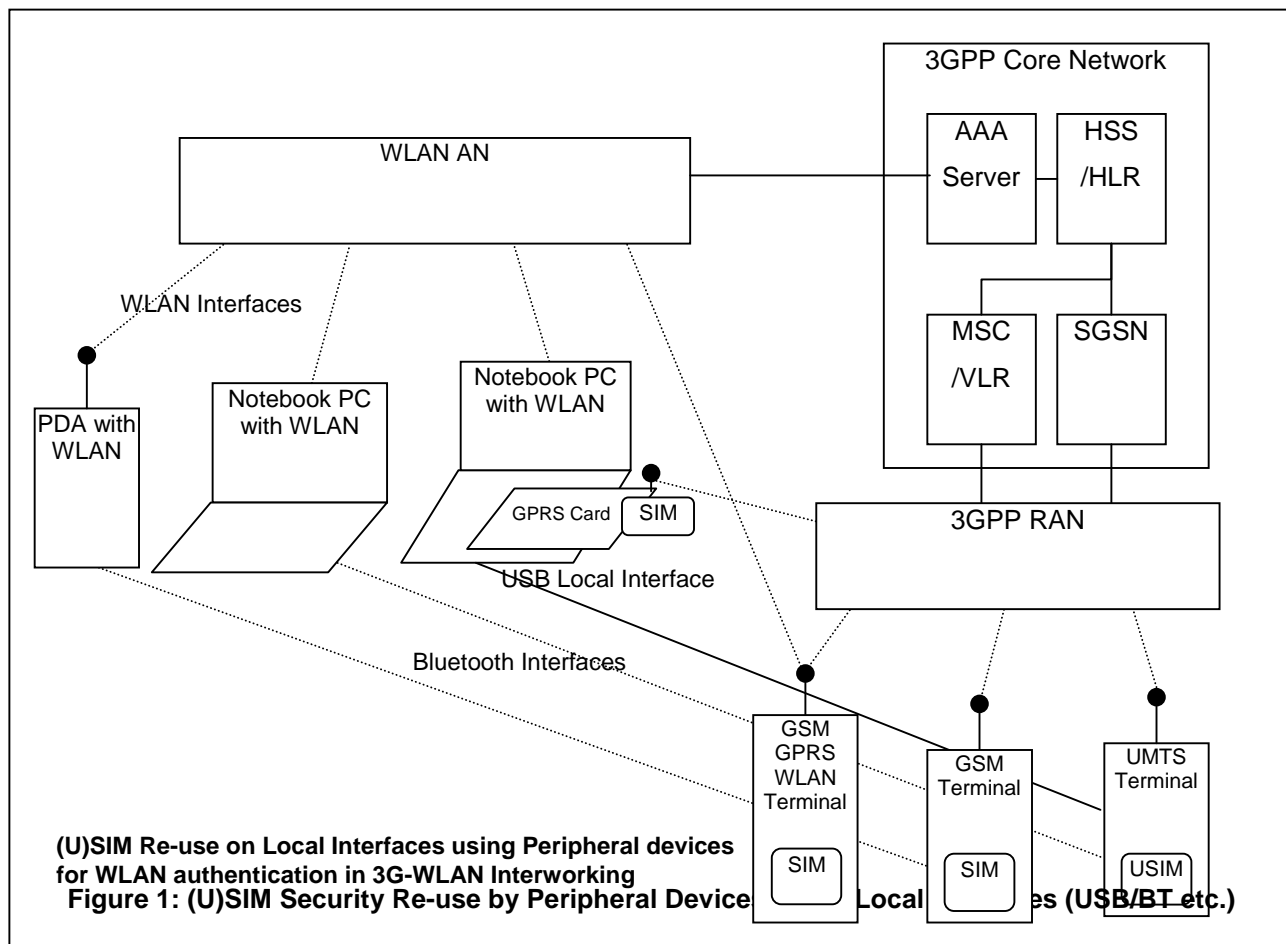
At SA3#30, S3-030571 proposed some high level requirements for UICC re-use. The requirements were generally agreed and although the exact wording of the requirement and how to include them into the specification could not be agreed. This contribution tries to address this issue by proposing the below pseudo CR for inclusion in the TR.

Proposed pseudo CR

4.1 Overview

This technical report deals with cases where the user equipment (UE) combination contains at least one MT and may also contain one or more TEs. Some examples are illustrated below. This illustration is only meant to familiarize with the concepts and not imply any limitations for user equipment.

The 3GPP Core network provides the facilities for common access control and charging for 3GPP Radio access networks (RAN) as well as WLAN access networks (AN) as specified in [3]. The (U)SIM being the authentication mechanism on the UE, and the several models of UE implementations with varied network access capabilities result in the need for understanding the usage scenarios for (U)SIM security re-use in these situations.



(NOTE:-The figure shows several different scenarios and does not necessarily mean that all the devices shown in the figure are accessing simultaneously using single (U)SIM)

The figure 1 shows some of the different types of (U)SIM security re-use related usage models that are possible. The local interfaces depicted are either BT based or USB based or PC card interface or also could be based on any other wired or wireless interconnect technology. Some of the scenarios illustrated are:

- PDA with WLAN capability re-using the SIM inside a GSM Terminal over a BT interface
- Notebook PC with WLAN capability re-using the SIM inside a GSM Terminal over a BT interface
- Notebook PC with WLAN capability re-using the USIM inside a UMTS Terminal over a BT interface
- Notebook PC with WLAN capability re-using the SIM from a plug-in GPRS PC card module
- Notebook PC with WLAN capability re-using a USIM from a UMTS terminal over a USB interface
- GSM-GPRS-WLAN multi-mode terminal re-using the SIM for authenticating WLAN sessions

Its possible for the 3GPP network and WLAN network to be active at the same time in the examples illustrated and the (U)SIM security re-use model needs to comprehend this requirement. [The scope of the work shall follow these listed high-level requirements:](#)

- [The UICC is always completely contained in one UE. Furthermore the UICC applications belonging to one subscription are not split amongst multiple UICC or devices.](#)
- [The ownership and control of the UICC remains with the 3GPP operator that issued the UICC.](#)
- [Network access security shall not be weakened by allowing peripheral devices to access a UICC. Furthermore the security of personal data held on the UICC is not compromised.](#)
- [It shall be possible for the operator to charge for access.](#)