3GPP TSG SA WG3 (Security) meeting #12
Stockholm, 11-14 April, 2000

Document **S3-000287**

e.g. for 3GPP use the format TP-99xxx
or for SMG, use the format P-99-xxx

CHANGE REQUEST

Please see embedded help file at the bottom of this page for instructions on how to fill in this form correctly.

33.102 CR **xx**	Current Version:	4.0.0 ??

GSM (AA.BB) or 3G (AA.BBB) specification number ↑   *↑ CR number as allocated by MCC support team*

For submission to:	TSG SA #8	for approval	**X**	strategic		(for SMG
list expected approval meeting # here ↑		for information		non-strategic		use only)

Form: CR cover sheet, version 2 for 3GPP and SMG   The latest version of this form is available from: ftp://ftp.3gpp.org/Information/CR-Form-v2.doc

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Proposed change affects: (U)SIM ☐   ME ☐   UTRAN / Radio ☐   Core Network **X**
(at least one should be marked with an X)

Source:	Telenor		**Date:**	2000-04-13

Subject:	Selective deletion of Authentication Vectors from the profile of a roaming subscriber

Work item:	Security

Category: F   Correction   **Release:**   Phase 2   ☐
              A   Corresponds to a correction in an earlier release   Release 96   ☐
(only one category   B   Addition of feature   **X**   Release 97   ☐
shall be marked   C   Functional modification of feature   Release 98   ☐
with an X)   D   Editorial modification   Release 99   ☐
                                                                                       Release 00   **X**

Reason for change:	The HE needs the possibility to selectively delete the Authentication Vectors data from a subscriber profile.

Clauses affected:	6.3.7

Other specs affected:	Other 3G core specifications	☐	→ List of CRs:	
	Other GSM core specifications	☐	→ List of CRs:	
	MS test specifications	☐	→ List of CRs:	
	BSS test specifications	☐	→ List of CRs:	
	O&M specifications	☐	→ List of CRs:	

Other comments:	The need to introduce this feature was uncovered during a joint meeting between 3GPP TSG SA3 and TIA TR45 AHAG.

help.doc

<--------- double-click here for help and instructions on how to create a CR.

6.3.7 HE initiated revocation of authentication data

The purpose of this procedure is to provide the HE with a mechanism to selectively delete the authentication vectors for a specific subscriber at the SGSN/VLR. This gives the HE fine-grained control over the authentication process.

The procedure is shown in Figure 14.

```
        HLR                                    VLR/SGSN

                   Delete Subscriber Data
                      AV-indicator, IMSI
            ──────────────────────────────────▶

                   Delete Subscriber Data ack
            ◀──────────────────────────────────
```
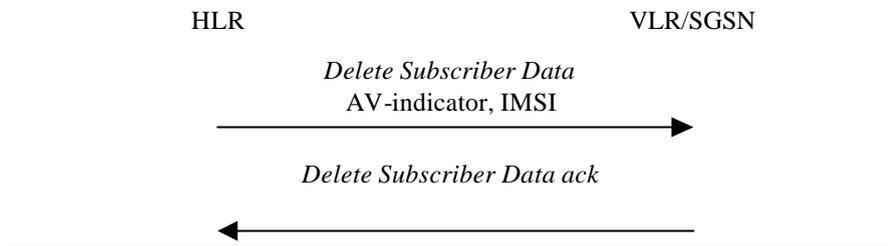
Figure 14: HE initiated revocation of authentication data

The HLR invokes the generic Delete-Subscriber-Data service and requests that the authentication vectors at the VLR/SGSN to be deleted.

6.3.8 Length of sequence numbers

Sequence numbers shall have a length of 6 octets.