

TSG-Terminals Working Group 3 (USIM) meeting #1
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Page 1

Source: SMG9 UMTS WP chairman

Title: USIM Standardisation in ETSI

USIM Standardisation in ETSI

Scope

SMG9-UMTS was created to elaborate stage 1 and stage 2/3 descriptions of the USIM. The group has held 7 meetings; the main work was performed during 6 meetings from March to December, 1998.

Contributing SMG STCs

Inputs to the USIM work were made by SMG1 (service aspects) and SMG10 (security). In particular, the most relevant documents from SMG1 are: UMTS 22.00 and UMTS 22.01; from SMG10, UMTS 33.20 and UMTS 33.21 have been considered. There were two further documents being prepared by SMG10, namely UMTS 33.22 and UMTS 33.23 which were, however, not completed in '98.

Document structure

The deliverables planned by SMG9-UMTS were UMTS 21.11, a high-level description of the USIM and the USIM-ME interface, and a further stage 2/3 document 21.xx specifying the requirements made in UMTS 21.11 on a bit-level. It was furthermore foreseen to put all electrical and physical specifications in a separate document, not in 21.xx. This should be provided by the SMG9 Generics subgroup.

Status

UMTS 21.11 is considered complete with the following exceptions which were due to lack of input papers:

- Security: 33.22 was not yet available
- The modifications to 22.01 made at the last SMG1 plenary are not yet incorporated into version 3.3.0 and could not yet be considered.

UMTS 21.11 is available as version 1.0.0 and as such is approved by SMG9.

Work on the stage 2/3, UMTS 21.xx, has not yet started.

Key figures

UMTS is strongly based on GSM 02.17, GSM 11.11 and GSM 11.14. The following key issues are considered additionally:

- Enhanced security, especially regarding authentication (as defined by SMG10, or TSG-SA, respectively)
- A more flexible method of file access, suitable for a multi-application environment
- ISO-based application selection
- Logical channel mechanism
- A secure download mechanism
- Low voltages
- Higher transmission speed
- A smaller card size
- The USIM is mandatory (as the GSM SIM); 3G terminals support existing Phase 2 SIMs, GSM terminals need not to support USIMs.

Conclusion

ETSI contributes UMTS 21.11 V 1.0.0 as an input to the 3GPP work and believes that the paper together with inputs from other SDOs provides a good starting point.