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LTE;
Universal Subscriber Identity Module (USIM)
Application Toolkit (USAT)
(3GPP TS 31.111 version 8.15.0 Release 8)

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Contents

Foreword

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1 Scope

The present document defines the interface between the UICC and the Mobile Equipment (ME), and mandatory ME procedures, specifically for "USIM Application Toolkit".

The present document refers in its majority to the ETSI TS 102 223 [32], which describes the generic aspects of application toolkits within the UICC.

USAT is a set of commands and procedures for use during the network operation phase of 3G/LTE, in addition to those defined in TS 31.101 [13].

Specifying the interface is to ensure interoperability between a UICC and an ME independently of the respective manufacturers and operators.

The present document defines for 3G/LTE technology:

- the commands;
- the application protocol;
- the mandatory requirements on the UICC and ME for each procedure.

The present document does not specify any aspects related to the administrative management phase. Any internal technical realization of either the UICC or the ME are only specified where these reflect over the interface. The present document does not specify any of the security algorithms which may be used.

For the avoidance of doubt, references to clauses of ETSI TS 102 223 [32] include all the subclauses of that clause, unless specifically mentioned.

The target specification ETSI TS 102 223 [32] contains material that is outside of the scope of 3GPP requirements and the present document indicates which parts are in the scope and which are not.

A 3GPP ME may support functionality that is not required by 3GPP, but the requirements to do so are outside of the scope of 3GPP.

2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication, edition number, version number, etc.) or non-specific.
- For a specific reference, subsequent revisions do not apply.
- For a non-specific reference, the latest version applies. In the case of a reference to a 3GPP document (including a GSM document), a non-specific reference implicitly refers to the latest version of that document in the same Release as the present document.

[1] 3GPP TS 22.002: "Circuit Bearer Services (BS) supported by a Public Land Mobile Network (PLMN)".

[2] 3GPP TS 22.030: "Man-Machine Interface (MMI) of the User Equipment (UE)".

[3] 3GPP TS 22.042: "Network Identity and Time Zone (NITZ); Service description; Stage 1".

[4] 3GPP TS 23.038: "Alphabets and language-specific information".

[5] 3GPP TS 23.040: "Technical realization of the Short Message Service (SMS)".

[6] 3GPP TS 23.041: "Technical realization of Cell Broadcast Service (CBS)".

[7] 3GPP TS 23.122: "Non-Access Stratum functions related to Mobile Station (MS) in idle mode".

[8] 3GPP TS 24.007: "Mobile radio interface signalling layer 3; General aspects".

[9] 3GPP TS 24.008: "Mobile radio interface layer 3 specification; Core network protocols; Stage 3".

[10] 3GPP TS 24.011: "Point-to-Point (PP) Short Message Service (SMS) support on mobile radio interface".

[11] 3GPP TS 24.080: "Mobile radio layer 3 supplementary services specification; Formats and coding".

[12] 3GPP TS 27.007: "AT command set for 3G User Equipment (UE)".

[13] 3GPP TS 31.101: "UICC-terminal interface; Physical and logical characteristics".

[14] 3GPP TS 31.102: "Characteristics of the USIM application".

[15] Void.

[16] Void.

[17] Void.

[18] Void.

[19] Void.

[20] Void.

[21] Void.

[22] 3GPP TS 22.001: "Principles of circuit telecommunication services supported by a Public Land Mobile Network (PLMN)".

[23] Void.

[24] Void.

[25] Void.

[26] Void.

[27] 3GPP TS 44.018: "Mobile radio interface Layer 3 specification; Radio Resource Control Protocol".

[28] Void.

[29] Void.

[30] 3GPP TS 23.003: "Numbering, addressing and identification".

[31] Void.

[32] ETSI TS 102 223 V8.8.0: "Smart Cards; Card Application Toolkit".

[33] 3GPP TR 21.905: "Vocabulary for 3GPP specifications".

[34] 3GPP TS 22.101: "Service aspects; Service principles".

[35] 3GPP TS 25.401: "UTRAN overall description".

[36] 3GPP TS 25.413: "UTRAN Iu interface RANAP signalling".

[37] 3GPP TS 24.090: "Unstructured Supplementary Service Data (USSD) - Stage 3".

[38] 3GPP TS 25.331: "Radio Resource Control (RRC) Protocol Specification".

[39] 3GPP TS 25.133: "Requirements for support of radio resource management".

[40] Void.