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Technical Specification

**Digital cellular telecommunications system (Phase 2+);
Subscriber Identity Module Application Programming
Interface (SIM API) for Java Card;
Stage 2
(3GPP TS 43.019 version 5.6.0 Release 5)**



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1 Scope

The present document defines the stage two description of the Subscriber Identity Module Application Programming Interface (SIM API) internal to the SIM.

This stage two describes the functional capabilities and the information flow for the SIM API implemented on the Java Card 2.1 API specification [6].

The present document includes information applicable to network operators, service providers and SIM, server and database manufacturers.

2 References

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- References are either specific (identified by date of publication, edition number, version number, etc.) or non-specific.
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- 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 TR 21.905: "Abbreviations and acronyms".
- [2] 3GPP TS 51.011: "Specification of the Subscriber Identity Module - Mobile Equipment (SIM - ME) interface".
- [3] 3GPP TS 11.14: "Specification of the SIM Application Toolkit for the Subscriber Identity Module - Mobile Equipment (SIM - ME) interface".
- [4] 3GPP TS 23.048: "Security Mechanisms for the SIM application toolkit; Stage 2".
- [5] ISO/IEC 7816-3 (1997) " Identification cards - Integrated circuit(s) cards with contacts, Part 3: Electronic signals and transmission protocols".
- [6] 3GPP TS 42.019: "Subscriber Identity Module Application Programming Interface (SIM API); Service description; Stage 1".
- [7] SUN Java Card Specification "Java Card 2.1 API Specification".
- [8] SUN Java Card Specification "Java Card 2.1 Runtime Environment Specification".
- [9] SUN Java Card Specification "Java Card 2.1 VM Architecture Specification".
SUN Java Card Specifications can be downloaded at <http://java.sun.com/products/javacard>
- [10] ETSI TS 101 220 "Integrated Circuit Cards (ICC); ETSI numbering system for telecommunication; Application providers (AID)".
- [11] 3GPP TS 23.040: "Technical realization of the Short Message Service (SMS)".
- [12] ISO/IEC 7816-6 (1995): "Identification cards - Integrated circuit(s) cards with contacts, Part 6 Inter-industry data elements".