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**Source:** SA WG3  
**Title:** CRs to 33.102: Correction of (U)SIM toolkit security reference  
(Release 1999 / Rel-4)  
**Document for:** Approval  
**Agenda Item:** 7.3.3

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SA doc#	Spec	CR	R	Phase	Subject	Cat	Current Version	WI	SA WG3 doc#
SP-020343	33.102	171		R99	Correction of (U)SIM toolkit security reference	F	3.11.0	Security	S3-020297
SP-020343	33.102	172		Rel-4	Correction of (U)SIM toolkit security reference	A	4.3.0	SEC1	S3-020298

## CHANGE REQUEST

⌘ **33.102 CR 171** ⌘ rev **-** ⌘ Current version: **3.b.0** ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

Proposed change affects: ⌘ (U)SIM  ME/UE  Radio Access Network  Core Network

<b>Title:</b>	⌘ Correction of (U)SIM toolkit security reference		
<b>Source:</b>	⌘ SA WG3		
<b>Work item code:</b>	⌘ Security	<b>Date:</b>	⌘ 10 May 2002
<b>Category:</b>	⌘ <b>F</b> Use <u>one</u> of the following categories: <b>F</b> (correction) <b>A</b> (corresponds to a correction in an earlier release) <b>B</b> (addition of feature), <b>C</b> (functional modification of feature) <b>D</b> (editorial modification) Detailed explanations of the above categories can be found in 3GPP <a href="#">TR 21.900</a> .	<b>Release:</b>	⌘ <b>R99</b> Use <u>one</u> of the following releases: <b>2</b> (GSM Phase 2) <b>R96</b> (Release 1996) <b>R97</b> (Release 1997) <b>R98</b> (Release 1998) <b>R99</b> (Release 1999) <b>REL-4</b> (Release 4) <b>REL-5</b> (Release 5)

<b>Reason for change:</b>	⌘ The reference to 23.048 is R99 is wrong since 23.048 does not exist in Rel-99. TS 23.048 replaces GSM 03.48 from Rel-4 onwards.
<b>Summary of change:</b>	⌘ The reference to 23.048 is replaced with a reference to 03.48. (also minor correction to GSM TS 02.48)
<b>Consequences if not approved:</b>	⌘ Incorrect reference.

<b>Clauses affected:</b>	⌘ 2, 5.4.1
<b>Other specs affected:</b>	⌘ <input type="checkbox"/> Other core specifications ⌘ <input type="checkbox"/> <input type="checkbox"/> Test specifications <input type="checkbox"/> O&M Specifications
<b>Other comments:</b>	⌘

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## 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.
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- [1] 3GPP TS 21.133: "3rd Generation Partnership Project (3GPP); Technical Specification Group (TSG) SA; 3G Security; Security Threats and Requirements".
- [2] 3GPP TS 33.120: "3rd Generation Partnership Project (3GPP); Technical Specification Group (TSG) SA; 3G Security; Security Principles and Objectives".
- [3] 3GPP TR 21.905: "3rd Generation Partnership Project (3GPP); Technical Specification Group Services and System Aspects; Vocabulary for 3GPP Specifications (Release 1999)".
- [4] 3GPP TS 23.121: "3rd Generation Partnership Project (3GPP); Technical Specification Group Services and System Aspects; Architecture Requirements for Release 99".
- [5] 3GPP TS 31.101: "3rd Generation Partnership Project (3GPP); Technical Specification Group Terminals; UICC-terminal interface; Physical and logical characteristics".
- [6] 3GPP TS 22.022: "3rd Generation Partnership Project (3GPP); Technical Specification Group Services and System Aspects; Personalisation of UMTS Mobile Equipment (ME); Mobile functionality specification".
- [7] 3GPP TS ~~23.048~~ 23.048: "3rd Generation Partnership Project (3GPP); Technical Specification Group ~~Services and System Aspects~~; Terminals; Security mechanisms for the ~~USIM~~ application toolkit; Stage 2".
- [8] ETSI GSM 03.20: "Digital cellular telecommunications system (Phase 2+); Security related network functions".
- [9] 3GPP TS 23.060: "3rd Generation Partnership Project; Technical Specification Group Services and System Aspects; Digital cellular telecommunications system (Phase 2+); General Packet Radio Service (GPRS); Service description; Stage 2".
- [10] ISO/IEC 9798-4: "Information technology - Security techniques - Entity authentication - Part 4: Mechanisms using a cryptographic check function".
- [11] 3GPP TS 35.201: "3rd Generation Partnership Project; Technical Specification Group Services and System Aspects; Specification of the 3GPP confidentiality and integrity algorithms; Document 1: f8 and f9 specifications".
- [12] 3GPP TS 35.202: "3rd Generation Partnership Project; Technical Specification Group Services and System Aspects; Specification of the 3GPP confidentiality and integrity algorithms; Document 2: Kasumi algorithm specification".
- [13] 3GPP TS 35.203: "3rd Generation Partnership Project; Technical Specification Group Services and System Aspects; Specification of the 3GPP confidentiality and integrity algorithms; Document 3: Implementers' test data".
- [14] 3GPP TS 35.204: "3rd Generation Partnership Project; Technical Specification Group Services and System Aspects; Specification of the 3GPP confidentiality and integrity algorithms; Document 4: Design conformance test data".

- [15] 3GPP TS 31.111: "3rd Generation Partnership Project; Technical Specification Group Terminals; USIM Application Toolkit (USAT)".
- [16] ~~3GPP~~ [ETSI GSM TS 02.48](#): " [Digital cellular telecommunications system \(Phase 2+\)](#); Security mechanisms for the SIM Application Toolkit; Stage 1".
- [17] 3GPP TS 25.331: "3rd Generation Partnership Project; Technical Specification Group Radio Access Network; RRC Protocol Specification".
- [18] 3GPP TS 25.321: "3rd Generation Partnership Project; Technical Specification Group Radio Access Network; MAC protocol specification".
- [19] 3GPP TS 25.322: "3rd Generation Partnership Project; Technical Specification Group Radio Access Network; RLC Protocol Specification".
- [20] 3GPP TS 31.102: "3rd Generation Partnership Project (3GPP); Technical Specification Group Terminals; Characteristics of the USIM Application".
- [21] 3GPP TS 22.101: "3rd Generation Partnership Project; Technical Specification Group Services and System Aspects; Service aspects; Service principles".

\*\*\* NEXT MODIFICATION \*\*\*

#### 5.4.1 Secure messaging between the USIM and the network

USIM Application Toolkit, as specified in [3GPP TS 31.111](#) [15], provides the capability for operators or third party providers to create applications which are resident on the USIM (similar to SIM Application Toolkit in GSM). There exists a need to secure messages which are transferred over the network to applications on the USIM, with the level of security chosen by the network operator or the application provider.

Security features for USIM Application Toolkit are implemented by means of the mechanisms described in [3GPP TS 03.48](#) ~~23.048~~ [7]. These mechanisms address the security requirements identified in [GSM TS 02.48](#) [16].

## CHANGE REQUEST

⌘ **33.102 CR 172** ⌘ rev **-** ⌘ Current version: **4.3.0** ⌘

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Proposed change affects: ⌘ (U)SIM  ME/UE  Radio Access Network  Core Network

<b>Title:</b>	⌘ Correction of (U)SIM toolkit security reference		
<b>Source:</b>	⌘ SA WG3		
<b>Work item code:</b>	⌘ SEC1	<b>Date:</b>	⌘ 10 May 2002
<b>Category:</b>	⌘ <b>A</b> Use <u>one</u> of the following categories: <b>F</b> (correction) <b>A</b> (corresponds to a correction in an earlier release) <b>B</b> (addition of feature), <b>C</b> (functional modification of feature) <b>D</b> (editorial modification) Detailed explanations of the above categories can be found in 3GPP <a href="#">TR 21.900</a> .	<b>Release:</b>	⌘ <b>REL-4</b> Use <u>one</u> of the following releases: 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) REL-4 (Release 4) REL-5 (Release 5)

<b>Reason for change:</b>	⌘ The reference to 02.48 is wrong since 02.48 does not exist in Rel-4. TS 22.048 replaces GSM 02.48 from Rel-4 onwards.
<b>Summary of change:</b>	⌘ The reference to 02.48 is replaced with a reference to 22.048.
<b>Consequences if not approved:</b>	⌘ Incorrect reference.

<b>Clauses affected:</b>	⌘ 2, 5.4.1
<b>Other specs affected:</b>	⌘ <input type="checkbox"/> Other core specifications ⌘ <input type="checkbox"/> <input type="checkbox"/> Test specifications <input type="checkbox"/> O&M Specifications
<b>Other comments:</b>	⌘

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- [7] 3GPP TS 23.048: "3rd Generation Partnership Project (3GPP); Technical Specification Group-~~Services and System Aspects~~ [Terminals](#); Security mechanisms for the (U)SIM application toolkit; Stage 2".
- [8] ETSI GSM 03.20: "Digital cellular telecommunications system (Phase 2+); Security related network functions".
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- [15] 3GPP TS 31.111: "3rd Generation Partnership Project; Technical Specification Group Terminals; USIM Application Toolkit (USAT)".
- [16] 3GPP TS ~~202.048~~: "[3rd Generation Partnership Project \(3GPP\); Technical Specification Group Terminals](#); Security mechanisms for the (U)SIM Application Toolkit; Stage 1".
- [17] 3GPP TS 25.331: "3rd Generation Partnership Project; Technical Specification Group Radio Access Network; RRC Protocol Specification".
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Security features for USIM Application Toolkit are implemented by means of the mechanisms described in TS 23.048 [7]. These mechanisms address the security requirements identified in ~~GSM-TS 0222.048~~ [16].