Presentation to TSG-T#10

Bangkok, 6-8 December 2000

Comments on (U)SIM issues, architecture and interfaces of a Terminal TP-000253

Source: Siemens

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Information and Communications

There are 4 major items to be addressed

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• (U)SIM specifications

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- (U)SIM issues

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- (U)SIM specifications
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- Terminal architecture and interfaces

Information and

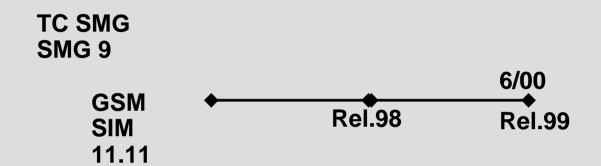
There are 4 major items to be addressed

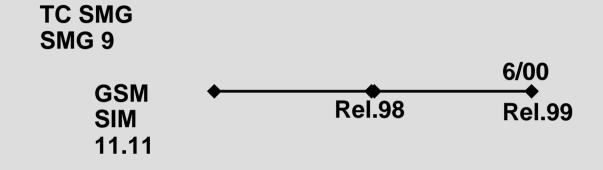
- (U)SIM specifications
- (U)SIM issues
- Terminal architecture and interfaces
- Possible Terminal (U)SIM combinations

Information and

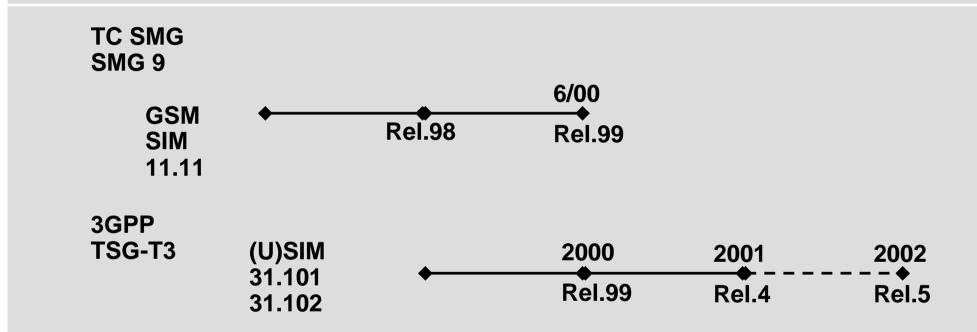


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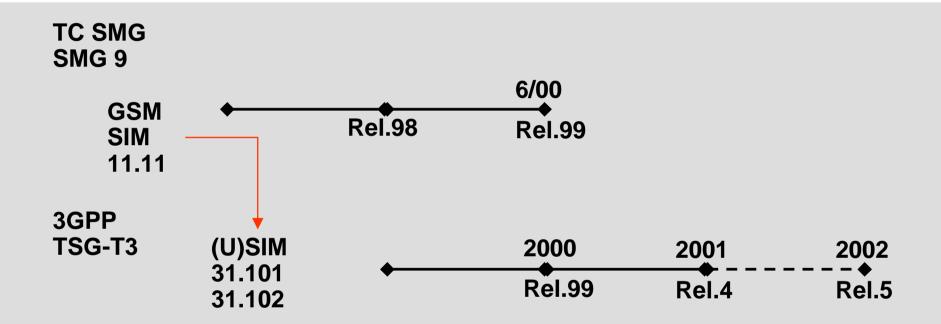




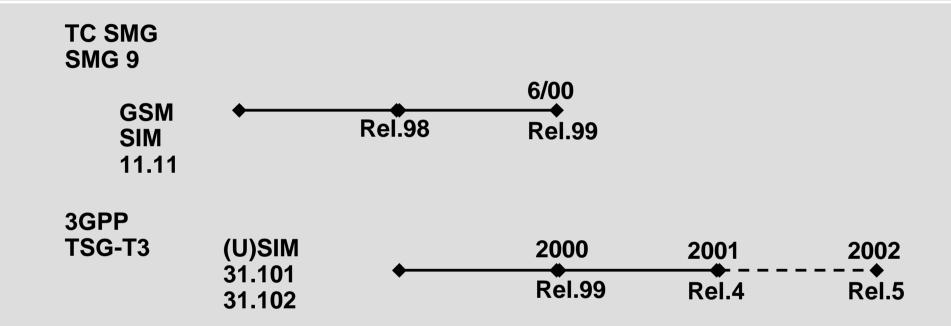
3GPP TSG-T3



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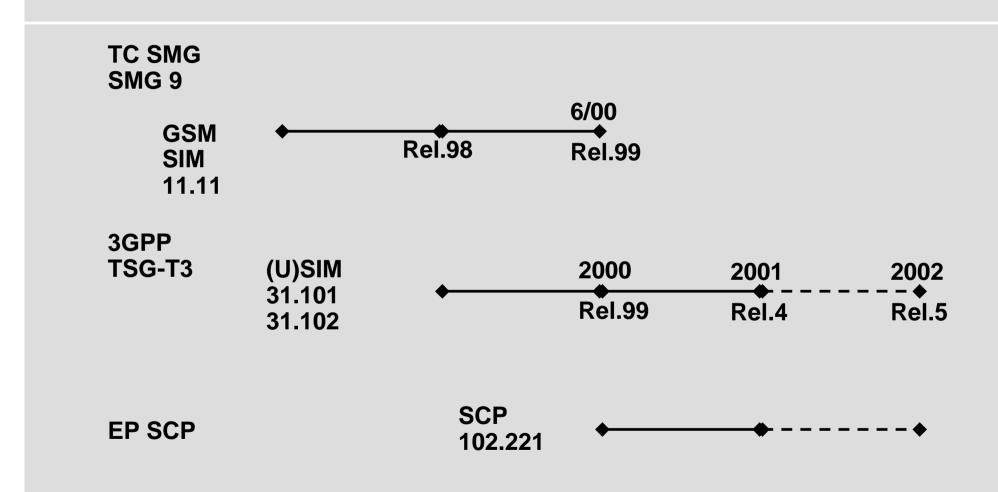


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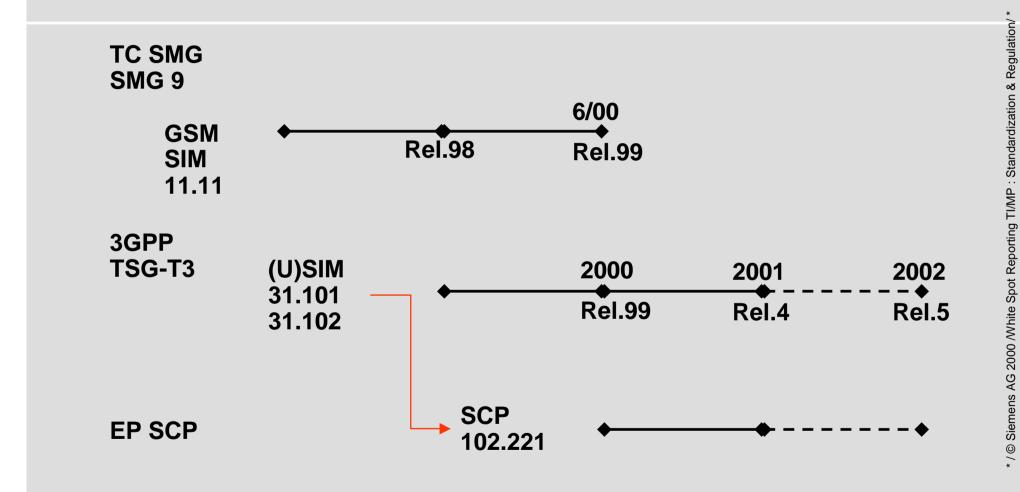


new SMG9 => EP SCP

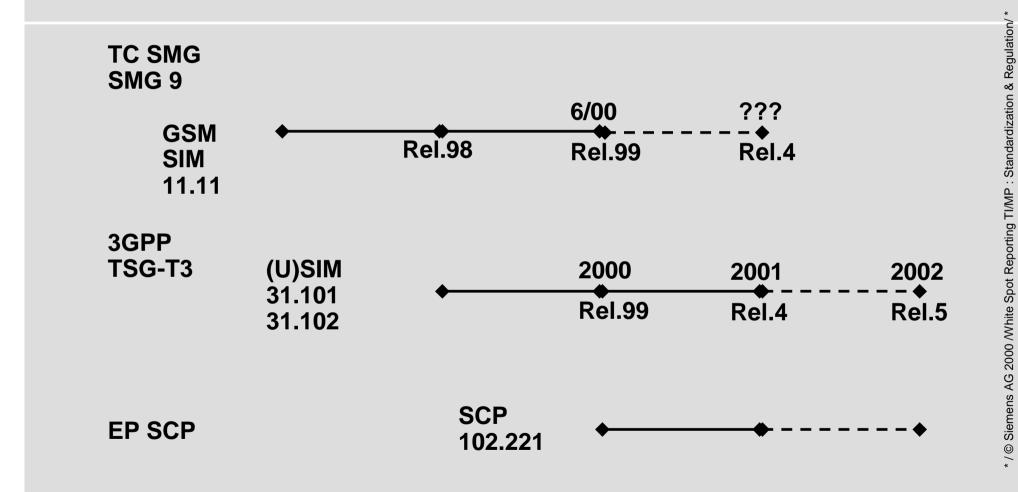




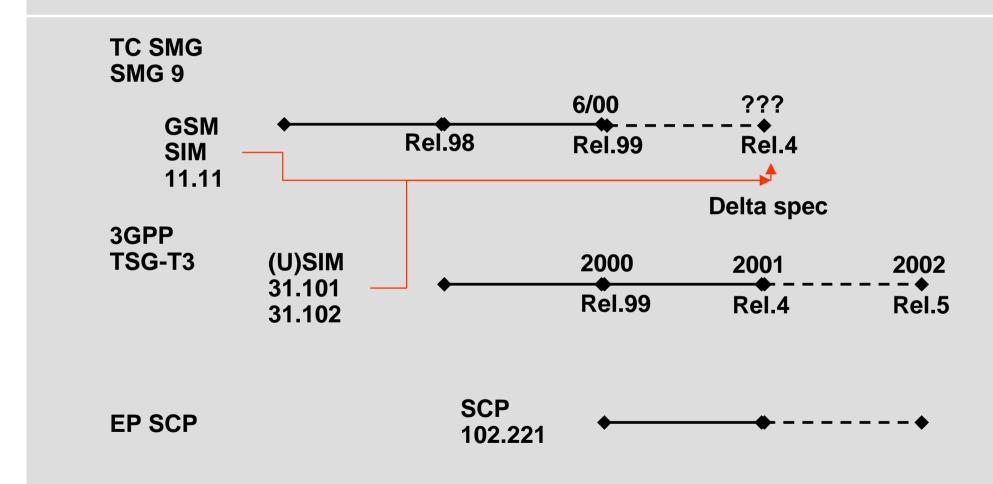
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GSM SIM **Physical GSM 11.11**

Logical GSM 11.11

SIM

SIM

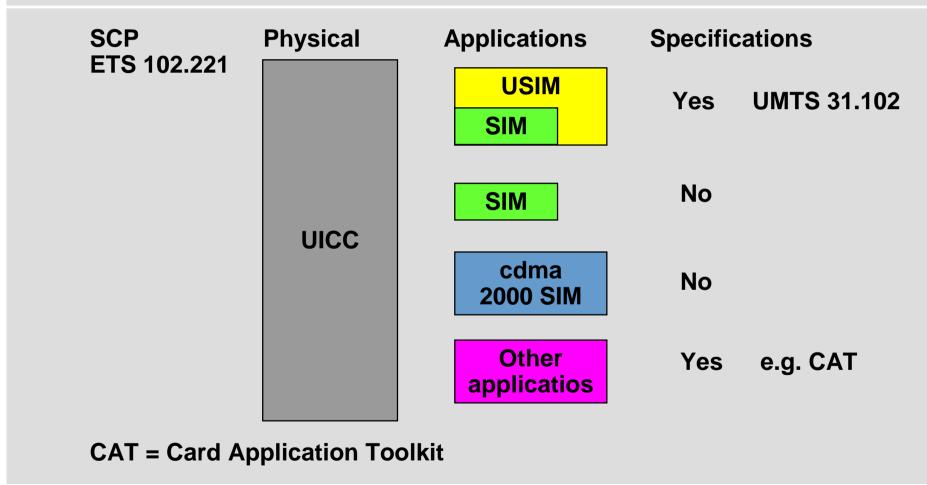


2 (U)SIM issues

Physical GSM 11.11 **Logical GSM 11.11 GSM** SIM SIM SIM Physical UMTS 31.101 **Logical UMTS 31.102** 3GPP **USIM** (U)SIM **USIM** SIM



2 (U)SIM issues



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Example on a physical configuration (based on SP-99493)

SIM as described in GSM 11.11

SIM

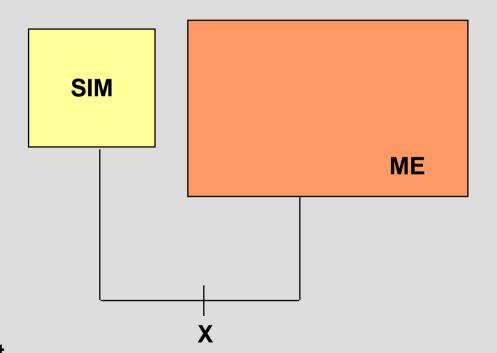
SIM = Subscriber Identity Module

SIM as described in GSM 11.11

In GSW 11.11

X = SIM/ME interface

ME = Mobile Equipment



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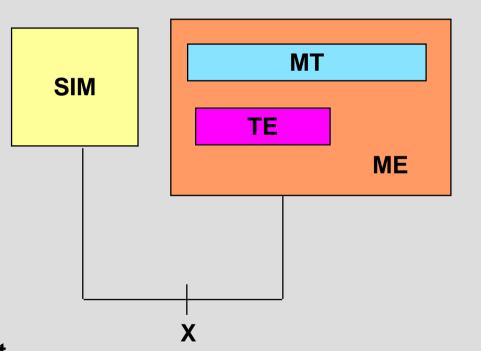
SIM as described

in GSM 11.11

ME = MT + TE

MT = Mobile Termination

TE = Terminal Equipment



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Example on a physical configuration 2G SIM and 3G Terminal

SIM as described in GSM 11.11

SIM MT R

R = MT/TE interface

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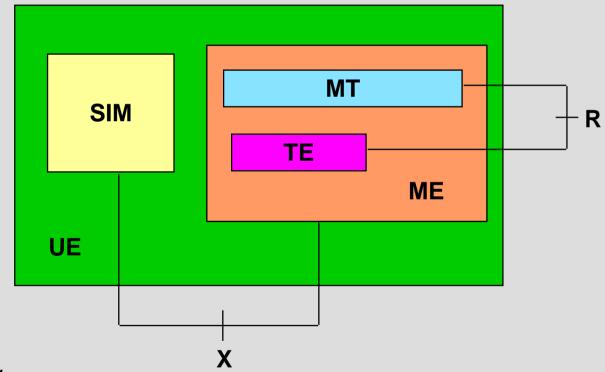
Example on a physical configuration 2G SIM and 3G Terminal

SIM as described in ETSI GSM 11.11

UE = SIM + ME

UE = SIM + MT + TE

UE = User Equipment

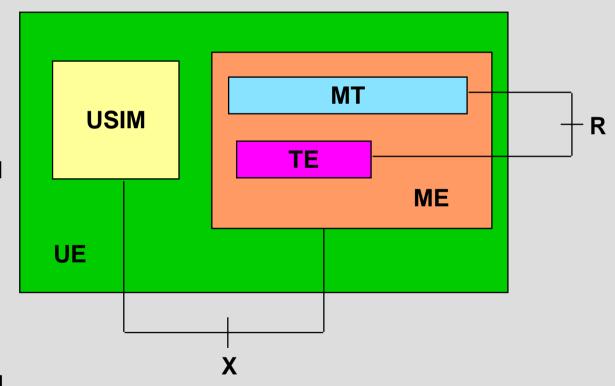


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Example on a physical configuration 3G SIM and 3G Terminal

USIM as described in 3GPP UMTS 31.101



USIM = Universal SIM

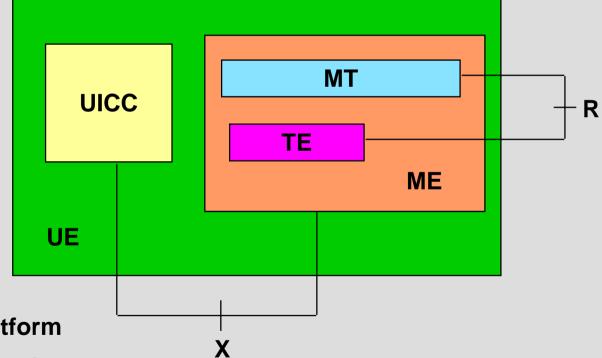


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Example on a physical configuration UICC and 3G Terminal

UICC as described in SCP ETS 102.221



SCP = Smart Card Platform

UICC = Universal IC Card

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4 Possible Terminal - (U)SIM combinations

What we need is a table for the supported combinations (example):

Platform	Application	GSM R98-	GSM R99+	UMTS R99+
SIM 11.11	SIM 11.11	SIM	SIM	SIM
USIM 31.101	(U)SIM 31.102	?	SIM	USIM
SCP 102.221	(U)SIM 31.102	?	SIM	USIM
USIM 31.101	GSM * (delta)	?	?	?
SCP 102.221	GSM * (delta)	?	?	?
SCP 102.221	Other app	?	?	?
SCP 102.221	Other app's	?	?	?

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5 Proposals

- 1) TSG-T tasks TSG-T3 to investigate the items and come back with solutions and detailed proposals for the further work
- 2) TSG-T & T3 widen its scope and also includes the GSM 11.11 transformation from ETSI SMG into a real 3G specification aligned with the USIM 31.102 and SCP spec 102.221
- 3) TSG-T informs TSG-SA plenary about the procedure of developing of new UICC applications based on the SCP platform spec ETS 102.221
- 4) TSG-SA sends liaisons to other technology camps to inform about the new approach and the specifications for information
- 5) TSG-T2 provides a better description about the interfaces and protocols being used e.g. for the terminal architecture, the supported combinations which could be part of the Terminal local model specification