

Title: LS on Support of additional TERMINAL PROFILE after UICC activation
Response to: -

Source: T3
To: SCP, GSMA SCaG
Cc: SCP-Req, TSG T

Contact Person:
Name: Claus Dietze, Giesecke & Devrient
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Attachments: T3-040461, T3-040598

1. Overall Description

T3 would like to inform T and SCP on the T3 discussion related to the TERMINAL PROFILE download procedure.

In Rel-6 of TS 102 223, SCP decided to modify the procedure for terminal profile download to the UICC. This modification is highlighted in the section below for reference.

"5.1 Procedure

The profile download instruction is sent by the terminal to the UICC as part of the UICC initialization procedure and as soon as possible when CAT functionality is modified in the terminal. This procedure is specified in TS 102 221 [**Error! Reference source not found.**] for a 3G platform and in TS 151 011 [**Error! Reference source not found.**] for a 2G platform. The profile sent by the terminal shall state the facilities relevant to CAT that are supported by the terminal. This procedure is important, as it allows the UICC to determine what the terminal is capable of, and the UICC can then limit its instruction range accordingly. If no command is sent by the terminal, the UICC shall assume that the terminal does not support CAT."

At T3-32 this modification of feature and the impact of it on T3 specifications was discussed. The issue was brought up that currently, even though not explicitly forbidden in TS 102 223, MEs send the TERMINAL PROFILE only during the initialisation procedure of the card. Applications currently in the field may rely on this. That means that for example applications triggered by the TERMINAL PROFILE download event may not work in a Rel-6 terminal that issues TERMINAL PROFILE at different points of time (see above) and not related to the REFRESH command and/or the UICC initialisation procedure. As there is a variety of applications and MEs deployed in the field, a solution is felt necessary by T3 to allow for backwards compatibility with existing applications and cards.

A related CR (see T3-040461 attached) was proposed adding this feature to Rel-6 of TS 31.102. This CR introduces a mechanism to allow the ME to check on the TERMINAL PROFILE capabilities of the USIM based toolkit applications. Another proposal was for T3 not to adopt this SCP modification of feature in the corresponding T3 specifications and to restrict the profile download capabilities in TS 31.111 (see attached T3-040598). As no conclusion could be reached at T3-32 we would like to inform SCP and T that T3 is going to discuss this issue again at the next T3 meeting with the possibility to raise a Rel-6 CR on several T3 specifications. T3 appreciates any advice on this topic.

2. Actions

SCP are asked to investigate whether or not this feature should be supported in their specifications, and inform T3.

GSMA SCaG are asked to consider carefully the implications of having multiple profile exchanges other than at the initialisation phase.

3. Date of Next TSG-T3 Meetings:

TSG-T3 Meeting #33 16 – 19 November 2004

Sophia-Antipolis, FR

CR-Form-v7

CHANGE REQUEST

31.102 CR # rev - # Current version: 6.6.0

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

Proposed change affects: UICC apps ME Radio Access Network Core Network

Title:	# Enable multiple Terminal Profile downloads in UST		
Source:	# Giesecke & Devrient		
Work item code:	# TEI	Date:	# 29.07.2004
Category:	# B	Release:	# Rel-6
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)		2 (GSM Phase 2)
	A (corresponds to a correction in an earlier release)		R96 (Release 1996)
	B (addition of feature),		R97 (Release 1997)
	C (functional modification of feature)		R98 (Release 1998)
	D (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

Reason for change:	# Applets and applications that were designed for earlier Releases may expect a Terminal Profile only during the initialisation procedure. Due to the lack of other mechanisms, it could have been used for startup processing, etc. Allowing additional Terminal Profiles, as introduced in TS 102 223 v6.4.0, could cause problems if cards with these applications were used in new phones.
Summary of change:	# Additional Terminal Profiles are only allowed, if the service is activated in the UST.
Consequences if not approved:	# Backwards compatibility problems with applications on existing cards are used in new phones.

Clauses affected:	# 4.2.8								
Other specs affected:	#								
	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="width: 20px; text-align: center;">#</td> <td style="width: 20px; text-align: center;">#</td> </tr> <tr> <td style="width: 20px; text-align: center;">#</td> <td style="width: 20px; text-align: center;">#</td> </tr> <tr> <td style="width: 20px; text-align: center;">#</td> <td style="width: 20px; text-align: center;">#</td> </tr> </table> Other core specifications Test specifications O&M Specifications	Y	N	#	#	#	#	#	#
Y	N								
#	#								
#	#								
#	#								
Other comments:	#								

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at <http://www.3gpp.org/specs/CR.htm>. Below is a brief summary:

- 1) Fill out the above form. The symbols above marked # contain pop-up help information about the field that they are closest to.
- 2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be

downloaded from the 3GPP server under <ftp://ftp.3gpp.org/specs/> For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

- 3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

4.2.8 EF_{UST} (USIM Service Table)

This EF indicates which services are available. If a service is not indicated as available in the USIM, the ME shall not select this service.

Identifier: '6F38'		Structure: transparent		Mandatory	
SFI: '04'					
File size: X bytes, X >= 1			Update activity: low		
Access Conditions:					
READ		PIN			
UPDATE		ADM			
DEACTIVATE		ADM			
ACTIVATE		ADM			
Bytes	Description	M/O	Length		
1	Services n°1 to n°8	M	1 byte		
2	Services n°9 to n°16	O	1 byte		
3	Services n°17 to n°24	O	1 byte		
4	Services n°25 to n°32	O	1 byte		
etc.					
X	Services n°(8X-7) to n°(8X)	O	1 byte		

-Services

Contents:	Service n°1:	Local Phone Book
	Service n°2:	Fixed Dialling Numbers (FDN)
	Service n°3:	Extension 2
	Service n°4:	Service Dialling Numbers (SDN)
	Service n°5:	Extension3
	Service n°6:	Barred Dialling Numbers (BDN)
	Service n°7:	Extension4
	Service n°8:	Outgoing Call Information (OCI and OCT)
	Service n°9:	Incoming Call Information (ICI and ICT)
	Service n°10:	Short Message Storage (SMS)
	Service n°11:	Short Message Status Reports (SMSR)
	Service n°12:	Short Message Service Parameters (SMSP)
	Service n°13:	Advice of Charge (AoC)
	Service n°14:	Capability Configuration Parameters (CCP)
	Service n°15:	Cell Broadcast Message Identifier
	Service n°16:	Cell Broadcast Message Identifier Ranges
	Service n°17:	Group Identifier Level 1
	Service n°18:	Group Identifier Level 2
	Service n°19:	Service Provider Name
	Service n°20:	User controlled PLMN selector with Access Technology
	Service n°21:	MSISDN
	Service n°22:	Image (IMG)
	Service n°23:	Support of Localised Service Areas (SoLSA)
	Service n°24:	Enhanced Multi-Level Precedence and Pre-emption Service
	Service n°25:	Automatic Answer for eMLPP
	Service n°26:	RFU
	Service n°27:	GSM Access
	Service n°28:	Data download via SMS-PP
	Service n°29:	Data download via SMS-CB
	Service n°30:	Call Control by USIM
	Service n°31:	MO-SMS Control by USIM
	Service n°32:	RUN AT COMMAND command
	Service n°33:	shall be set to '1'
	Service n°34:	Enabled Services Table
	Service n°35:	APN Control List (ACL)
	Service n°36:	Depersonalisation Control Keys
	Service n°37:	Co-operative Network List
	Service n°38:	GSM security context
	Service n°39:	CPBCCCH Information
	Service n°40:	Investigation Scan
	Service n°41:	MExE
	Service n°42:	Operator controlled PLMN selector with Access Technology
	Service n°43:	HPLMN selector with Access Technology
	Service n°44:	Extension 5
	Service n°45:	PLMN Network Name
	Service n°46:	Operator PLMN List
	Service n°47:	Mailbox Dialling Numbers
	Service n°48:	Message Waiting Indication Status
	Service n°49:	Call Forwarding Indication Status
	Service n°50:	Reserved and shall be ignored
	Service n°51:	Service Provider Display Information
	Service n°52:	Multimedia Messaging Service (MMS)
	Service n°53:	Extension 8
	Service n°54:	Call control on GPRS by USIM
	Service n°55:	MMS User Connectivity Parameters
	Service n°56:	Network's indication of alerting in the MS (NIA)
	Service n°57:	VGCS Group Identifier List (EF _{VGCS} and EF _{VGCS})
	Service n°58:	VBS Group Identifier List (EF _{VBS} and EF _{VBS})
	Service n°59:	Pseudonym
	Service n°60:	User Controlled PLMN selector for WLAN access
	Service n°61:	Operator Controlled PLMN selector for WLAN access
	Service n°62:	User controlled SSID list
	Service n°63:	Operator controlled SSID list
	Service n°64:	VGCS security
	Service n°yy	Additional TERMINAL PROFILE after UICC activation

3GPP TSG-T3#32
New York, USA, 10-13 August 2004

Tdoc # T3-040598

CR-Form-v7.1
CHANGE REQUEST
31.111 CR # rev - # Current version: 6.2.0

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

Proposed change affects: UICC apps ME Radio Access Network Core Network

Title:	# Clarification on terminal profile
Source:	# Giesecke & Devrient
Work item code:	# TEI Date: # 13/08/2004
Category:	# F Release: # Rel-6
	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p><i>Use one of the following categories:</i></p> <p>F (correction)</p> <p>A (corresponds to a correction in an earlier release)</p> <p>B (addition of feature),</p> <p>C (functional modification of feature)</p> <p>D (editorial modification)</p> <p>Detailed explanations of the above categories can be found in 3GPP TR 21.900.</p> </div> <div style="width: 45%;"> <p><i>Use one of the following releases:</i></p> <p>Ph2 (GSM Phase 2)</p> <p>R96 (Release 1996)</p> <p>R97 (Release 1997)</p> <p>R98 (Release 1998)</p> <p>R99 (Release 1999)</p> <p>Rel-4 (Release 4)</p> <p>Rel-5 (Release 5)</p> <p>Rel-6 (Release 6)</p> <p>Rel-7 (Release 7)</p> </div> </div>

Reason for change:	# Essential clarification to terminal profile procedure
Summary of change:	# Clarify statement on when to issue the terminal profile.
Consequences if not approved:	# Unclear reference to TS 102 223 and backwards compatibility issues with existing applications in the field

Clauses affected:	# 5.1								
Other specs affected:	<table style="display: inline-table; border-collapse: collapse;"> <tr> <td style="border: 1px solid black; padding: 2px;">Y</td> <td style="border: 1px solid black; padding: 2px;">N</td> </tr> <tr> <td style="border: 1px solid black; padding: 2px;"></td> <td style="border: 1px solid black; padding: 2px;">X</td> </tr> <tr> <td style="border: 1px solid black; padding: 2px;"></td> <td style="border: 1px solid black; padding: 2px;"></td> </tr> <tr> <td style="border: 1px solid black; padding: 2px;"></td> <td style="border: 1px solid black; padding: 2px;"></td> </tr> </table> Other core specifications # Test specifications # O&M Specifications #	Y	N		X				
Y	N								
	X								
Other comments:	#								

5.1 Procedure

The profile download instruction ~~is~~ shall only be sent by the ME to the UICC as part of the UICC initialization procedure. This procedure is specified in 3GPP TS 31.101 [13]. The profile sent by the ME shall state the facilities relevant to USAT that are supported by the ME.

See additional details in TS 102 223 [32].