3GPP TSG-CT Meeting #28
Quebec, 1-3 June 2005

CP-050143

Agenda Item: 8.12

Source: CT6

Title: TEI5 test specs CRs

Document for: Approval

This document contains the following change requests that are agreed by 3GPP TSG CT WG6 and forwarded to 3GPP TSG CT plenary for approval:

Table of TEI5 Test Spec CRs

CT doc	CT6 Doc	Spec	CR	Rev	Rel	Title	Source	Cat	WI	Agenda	Status
CP-050143	C6-050438	51.013	018	1	Rel-5	Correction of FWK_ERP_EFSE script file syntax	CT6	F	TEI5	14.4.1	Agreed
CP-050143	C6-050439	51.013	019	1	Rel-5	Correction of security level in API_2_ENH_GSDL test	CT6	F	TEI5	14.4.1	Agreed
CP-050143	C6-050437	51.013	017	1	Rel-5	Correction of TP-DCS used for uncompressed 8 bits data SMS envelope	CT6	F	TEI5	14.4.1	Agreed
CP-050143	C6-050440	51.013	020		Rel-5	Restore files content in API_1_SVW_UPDRSBS_BSS_1.clr file	CT6	F	TEI5	14.4.1	Agreed

3GPP TSG CT6 Meeting #35
Cancun, Mexico, 26-29 April 2005

C6-050437

CR-Form-v7.1

CHANGE REQUEST

⌘ **51.013** **CR** **17** ⌘ **rev** **1** ⌘ Current version: **5.3.0** ⌘

*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⌘ [X] ME [ ] Radio Access Network [ ] Core Network [ ]

Title:	⌘	Correction of TP-DCS used for uncompressed 8 bits data SMS envelope.
Source:	⌘	CT6
Work item code:	⌘	TEI5
Date:	⌘	28/04/2005
Category:	⌘	**F**
Release:	⌘	Rel-5

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:

Ph2	*(GSM Phase 2)*
R96	*(Release 1996)*
R97	*(Release 1997)*
R98	*(Release 1998)*
R99	*(Release 1999)*
Rel-4	*(Release 4)*
Rel-5	*(Release 5)*
Rel-6	*(Release 6)*
Rel-7	*(Release 7)*

Reason for change:	⌘	CR 17 was not correctly implemented. The TP-DCS used in uncompressed 8 bits data SMS envelope is wrong.
Summary of change:	⌘	In testcase 11, change TP-DCS to its correct value for an uncompressed 8 bits data SMS.
Consequences if not approved:	⌘	The test is not in accordance with the framework specification.

Clauses affected:	⌘	Annex E source code (FWK_CSM_PROC java, scr and ldr files)

		Y	N		
Other specs Affected:	⌘		X	Other core specifications	⌘
			X	Test specifications	
			X	O&M Specifications	
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.

File FWK_CSM_PROC.scr

REM ***TEST CASE 11 ***
REM Send SMS with 2 concatenated messages, in uncompressed 8 bits data
REM 1st envelope
CMD A0 C2 00 00 47 \
D1 45 82 02 83 81 06 05 80 11 22 33 44 8B 38 40 \
02 81 55 7F ~~19~~ 16 00 11 29 12 00 00 04 2A 07 00 03 \
01 02 01 70 00 00 2F 0D 08 00 00 00 4B 04 24 00 \
00 00 00 01 00 48 66 6C 6C 6F 20 48 66 6C 6C 6F \
20 48 66 6C 6C 6F 20 \
(90 00)

REM 2nd envelope
CMD A0 C2 00 00 32 \
D1 30 82 02 83 81 06 05 80 11 22 33 44 8B 23 40 \
02 81 55 7F ~~19~~ 16 00 11 29 12 00 00 04 15 05 00 03 \
01 02 02 48 66 6C 6C 6F 20 48 66 6C 6C 6F 20 21 \
21 21 \
(90 00)

3GPP TSG CT6-35 ***C6-050438***
Cancun, Mexico, 26-29 April 2005

CR-Form-v7.1

CHANGE REQUEST

⌘ **51.013** **CR** **18** ⌘ **rev** **1** ⌘ Current version: **5.3.0** ⌘

*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⌘ [X] ME [ ] Radio Access Network [ ] Core Network [ ]

Title:	⌘	Correction of FWK_ERP_EFSE script file syntax.
Source:	⌘	CT6
Work item code:	⌘	TEI5
Date:	⌘	28/04/2005
Category:	⌘	**F**
Release:	⌘	Rel-5

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:

Ph2	*(GSM Phase 2)*
R96	*(Release 1996)*
R97	*(Release 1997)*
R98	*(Release 1998)*
R99	*(Release 1999)*
Rel-4	*(Release 4)*
Rel-5	*(Release 5)*
Rel-6	*(Release 6)*
Rel-7	*(Release 7)*

Reason for change:	⌘	CR 18 was not correctly implemented. The syntax of the switch statement in FWK_ERP_EFSE test script is not formatted according to the script file syntax of the test suite.
Summary of change:	⌘	Change script syntax of SWI statements.
Consequences if not approved:	⌘	Test script is not in accordance with script file syntax rules.

Clauses affected:	⌘	Annex E source code, FWK_ERP_EFSE_1.scr file.

		Y	N			
Other specs affected:	⌘		X	Other core specifications	⌘	
			X	Test specifications		
			X	O&M Specifications		
Other comments:	⌘					

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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.

```
RST

INI 03 01 00 02

REM Test case #1.1
REM Envelope(SMS_PP) Deliver Report
CMD A0 C2 00 00 2E \
D1 2C 02 02 83 81 0B 26 44 09 81 06 09 02 33 F7 \
7F F6 00 00 00 00 00 00 00 14 02 70 00 00 0F 0D \
08 01 00 00 47 10 24 00 00 00 00 01 00 01 \
(9F 15)

CMD A0 C0 00 00 15 \
[02 71 00 00 10 0A 47 10 24 00 00 00 00 01 00 00 \
01 16 16 16 16] \
(90 00)

REM Test case #1.2
REM Envelope(SMS_PP) Deliver Report
CMD A0 C2 00 00 2E \
D1 2C 02 02 83 81 0B 26 44 09 81 06 09 02 33 F7 \
7F F6 00 00 00 00 00 00 00 14 02 70 00 00 0F 0D \
08 01 00 00 47 10 24 00 00 00 00 01 00 01 \
(9F 17)

CMD A0 C0 00 00 17 \
[02 71 00 00 12 0A 47 10 24 00 00 00 00 01 00 00 \
28 05 02 16 16 16 16] \
(90 00)

REM Test case #2.1
REM Envelope(SMS_PP) submit
CMD A0 C2 00 00 2E \
D1 2C 02 02 83 81 0B 26 44 09 81 06 09 02 33 F7 \
7F F6 00 00 00 00 00 00 00 14 02 70 00 00 0F 0D \
08 21 00 00 47 10 24 00 00 00 00 01 00 01 \
(91 30, 91 2E)

SWI_{
91 30:
CMD A0 12 00 00 30 \
[D0 2E 81 03 01 13 00 82 02 81 83 05 00 8B 21 41 \
00 09 81 06 09 02 33 F7 00 F6 15 02 71 00 00 10 \
0A 47 10 24 00 00 00 00 01 00 00 03 16 16 16 16 ] \
(90 00)

91 2E:
CMD A0 12 00 00 2E \
[D0 2C 81 03 01 13 00 82 02 81 83 8B 21 41 00 09 \
81 06 09 02 33 F7 00 F6 15 02 71 00 00 10 0A 47 \
10 24 00 00 00 00 01 00 00 03 16 16 16 16 ] \
(90 00)
}


CMD A0 14 00 00 0C \
81 03 01 13 00 82 02 82 81 83 01 00 \
(90 00)



REM Test case #2.2
REM Envelope(SMS_PP) submit
CMD A0 C2 00 00 2E \
D1 2C 02 02 83 81 0B 26 44 09 81 06 09 02 33 F7 \
7F F6 00 00 00 00 00 00 00 14 02 70 00 00 0F 0D \
08 21 00 00 47 10 24 00 00 00 00 01 00 01 \
```

```
(91 30, 91 2E)

SWI_{
91 30:
CMD A0 12 00 00 30 \
[D0 2E 81 03 01 13 00 82 02 81 83 05 00 8B 21 41 \
00 09 81 06 09 02 33 F7 00 F6 15 02 71 00 00 10 \
0A 47 10 24 00 00 00 00 01 00 00 05 16 16 16 16 ] \
(90 00)

91 2E:
CMD A0 12 00 00 2E \
[D0 2C 81 03 01 13 00 82 02 81 83 8B 21 41 00 09 \
81 06 09 02 33 F7 00 F6 15 02 71 00 00 10 0A 47 \
10 24 00 00 00 00 01 00 00 05 16 16 16 16 ] \
(90 00)
}

CMD A0 14 00 00 0C \
81 03 01 13 00 82 02 82 81 83 01 00 \
(90 00)


REM Test case #2.3
REM Envelope(SMS_PP) submit
CMD A0 C2 00 00 2E \
D1 2C 02 02 83 81 0B 26 44 09 81 06 09 02 33 F7 \
7F F6 00 00 00 00 00 00 00 14 02 70 00 00 0F 0D \
08 21 00 00 47 10 24 00 00 00 00 01 00 01 \
(91 32, 91 30)

SWI_{
91 32:
CMD A0 12 00 00 32 \
[D0 30 81 03 01 13 00 82 02 81 83 05 00 8B 23 41 \
00 09 81 06 09 02 33 F7 00 F6 17 02 71 00 00 12 \
0A 47 10 24 00 00 00 00 01 00 00 28 05 04 16 16 \
16 16] \
(90 00)

91 30:
CMD A0 12 00 00 30 \
[D0 2E 81 03 01 13 00 82 02 81 83 8B 23 41 00 09 \
81 06 09 02 33 F7 00 F6 17 02 71 00 00 12 0A 47 \
10 24 00 00 00 00 01 00 00 28 05 04 16 16 16 16 ] \
(90 00)
}

CMD A0 14 00 00 0C \
81 03 01 13 00 82 02 82 81 83 01 00 \
(90 00)


REM Test case #2.4
REM Envelope(SMS_PP) submit
CMD A0 C2 00 00 2E \
D1 2C 02 02 83 81 0B 26 44 09 81 06 09 02 33 F7 \
7F F6 00 00 00 00 00 00 00 14 02 70 00 00 0F 0D \
08 21 00 00 47 10 24 00 00 00 00 01 00 01 \
(91 32, 91 30)

SWI_{
91 32:
CMD A0 12 00 00 32 \
[D0 30 81 03 01 13 00 82 02 81 83 05 00 8B 23 41 \
00 09 81 06 09 02 33 F7 00 F6 17 02 71 00 00 12 \
0A 47 10 24 00 00 00 00 01 00 00 28 05 06 16 16 \
16 16 ] \
(90 00)

91 30:
CMD A0 12 00 00 30 \
[D0 2E 81 03 01 13 00 82 02 81 83 8B 23 41 00 09 \
81 06 09 02 33 F7 00 F6 17 02 71 00 00 12 0A 47 \
10 24 00 00 00 00 01 00 00 28 05 06 16 16 16 16 ] \
(90 00)
}
```

```
CMD A0 14 00 00 0C \
81 03 01 13 00 82 02 82 81 83 01 00 \
(90 00)

REM Select Applet to check the test results
CMD 00 A4 04 00 10 \
A0 00 00 00 09 00 02 FF FF FF FF 89 47 10 24 02 \
(61 18)

REM Get Response
REM Returns (AID length, AID, Number of test cases, Test outcome)
CMD 00 C0 00 00 18 \
[10 A0 00 00 00 09 00 02 FF FF FF FF 89 47 10 24 \
 02 06 CC CC CC CC CC CC ] \
(90 00)
```

3GPP TSG CT6-35 ***C6-050439***
Cancum, Mexico, 26-29 April 2005

CR-Form-v7.1

CHANGE REQUEST

⌘ **51.013** **CR** **19** ⌘ **rev** **1** ⌘ Current version: **5.3.0** ⌘

*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⌘ [X] ME [ ] Radio Access Network [ ] Core Network [ ]

Title:	⌘	Correction of security level in API_2_ENH_GSDL test.
Source:	⌘	CT6
Work item code:	⌘	TEI5
Date:	⌘	28/04/2005
Category:	⌘	**F**
Release:	⌘	Rel-5

Use one of the following categories:
F *(correction)*
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R97 *(Release 1997)*
R98 *(Release 1998)*
R99 *(Release 1999)*
Rel-4 *(Release 4)*
Rel-5 *(Release 5)*
Rel-6 *(Release 6)*
Rel-7 *(Release 7)*

Reason for change:	⌘	CR 19 was not correctly implemented. Test cases 7, 24 and 38 are done with a PCNTR value different than 0. Then envelopes shall be send ciphered, according to 3GPP TS 23.048 specification. Moreover, returned value is wrong in the description of the test.
Summary of change:	⌘	Cipher SMS PP envelope for test cases 7, 24 and 38. Correct returned value in the specification.
Consequences if not approved:	⌘	The test is not in accordance with the specification.

Clauses affected:	⌘	§6.2.4.3 Method getSecuredDataLength, Annex E source code (API_2_ENH_GSDL.scr file).

Other specs affected: ⌘	Y	N		⌘
		X	Other core specifications	
		X	Test specifications	
		X	O&M Specifications	

Other comments: ⌘

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6 API Test Plan

6.2 Package sim.toolkit

6.2.4 Class EnvelopeHandler

6.2.4.3 Method getSecuredDataLength

Test Area Reference: API_2_ENH_GSDL

6.2.4.3.1 Conformance Requirement:

The method with following header shall be compliant to its definition in the API.

```
public short getSecuredDataLength()
                          throws ToolkitException
```

6.2.4.3.1.1 Normal execution

- CRRN1: The method shall return the length of the Secured Data from the Command Packet in the SMS TPDU (simple or concatenated) or Cell Broadcast Page Simple TLV contained in the Envelope handler.
- CRRN2: The length is from the first SMS TPDU TLV or Cell Broadcast Page Simple TLV.
- CRRN3: The length should not include padding bytes.
- CRRN4: The method can be used if the event is EVENT_FORMATTED_SMS_PP_ENV and if the SMS TP-UD is formatted according to 3GPP TS 23.048 [8].
- CRRN5: The method can be used if the event is EVENT_FORMATTED_SMS_PP_UPD and if the SMS TP-UD is formatted according to 3GPP TS 23.048 [8].
- CRRN6: The method can be used if the event is EVENT_FORMATTED_SMS_CB and if the Cell Broadcast Page is formatted according to 3GPP TS 23.048 [8].
- CRRN7: If the method is successful and if the event is EVENT_FORMATTED_SMS_PP_ENV, the selected TLV should be the SMS TPDU TLV.
- CRRN8: If the method is successful and if the event is EVENT_FORMATTED_SMS_PP_UPD, the selected TLV should be the SMS TPDU TLV.
- CRRN9: If the method is successful and if the event is EVENT_FORMATTED_SMS_CB, the selected TLV should be the Cell Broadcast Page TLV.

6.2.4.3.1.2 Parameters error

No requirements.

6.2.4.3.1.3 Context errors

- CRRC1: The method shall thrown ToolkitException (UNAVAILABLE_ELEMENT) in case of unavailable SMS TPDU TLV element or Cell Broadcast Page Simple TLV.
- CRRC2: The method shall thrown ToolkitException (UNAVAILABLE_ELEMENT) in case of wrong data format.

6.2.4.3.2 Test suite files

Specific triggering:

- FORMATTED SMS CB.
- UNFORMATTED SMS CB.
- FORMATTED SMS PP UPD.
- UNFORMATED SMS PP ENV.
- For Formatted triggering if CC/RC/DS is used, the security parameters are the one used for downloading applications.

Test Script: API_2_ENH_GSDL_1.scr

Test Applet: API_2_ENH_GSDL_1.java

Load Script: API_2_ENH_GSDL_1.ldr

Cleanup Script: API_2_ENH_GSDL_1.clr

Parameter File: API_2_ENH_GSDL_1.par

6.2.4.3.3 Test procedure

Id	Description	API Expectation	APDU Expectation
	FORMATTED SMS PP ENV Triggering		

Id	Description	API Expectation	APDU Expectation
1	Test with FORMATTED_SMS_PP_ENV and TP-OA length of 2	Returns 0x002A	
2	Test with TP-OA length of 6	Returns 0x002A	
3	Test with TP-OA length of 12	Returns 0x002A	
4	Test with RC/CC/DS length of 0	Returns 0x0010	
5	Test with RC/CC/DS length of 8	Returns 0x0010	
6	Test with PCNTR = 0	Returns 0x0010	
7	Test with PCNTR = ~~7~~5 and ciphering	Returns 0x0005	
8	Test with Secured Data Length = 00	Returns 0x0000	
9	Test with Secured Data Length = 0x33	Returns 0x0033	
10	Test with Secured Data Length = 0x6C (UDL = 0x7F)	Returns 0x006C	
11	Test with Secured Data Length = 0x6D (UDL = 0x80)	Returns 0x006D	
12	Test with Secured Data Length = maximum length for one envelope : 0x79 (UDL = 0x8C)	Returns 0x0079	
13	Verify it is the first TPDU TLV: Send a SMS PP with 2 TPDU TLV and inside two different secured data lengths: 5 and 10	Returns 0x0005	
14	Test with secured data length = 0x7F (2 concatenated envelopes are needed)	Returns 0x007F	
15	Test with secured data length = 0x80 (2 concatenated envelopes are needed)	Returns 0x0080	
16	Test with secured data length = maximum length for 2 concatenated envelopes : 0xFA	Returns 0x00FA	
17	Test with FORMATTED_SMS_PP_ENV Verify after call of the method the current TLV is the TPDU TLV: findTLV device identities, getSecuredDataLength and then getValueByte to verify that the current TLV is the TPDU TLV	getValueByte returns 0x0040	
	FORMATTED SMS PP UPD Triggering		
18	Same test as 1 but with FORMATTED_SMS_PP_UPD	Returns 0x002A	
19	Same test as 2 but with FORMATTED_SMS_PP_UPD	Returns 0x002A	
20	Same test as 3 but with FORMATTED_SMS_PP_UPD	Returns 0x002A	
21	Same test as 4 but with FORMATTED_SMS_PP_UPD	Returns 0x0010	
22	Same test as 5 but with FORMATTED_SMS_PP_UPD	Returns 0x0010	
23	Same test as 6 but with FORMATTED_SMS_PP_UPD	Returns 0x0010	
24	Same test as 7 but with FORMATTED_SMS_PP_UPD	Returns 0x0005	
25	Same test as 8 but with FORMATTED_SMS_PP_UPD	Returns 0x0000	
26	Same test as 9 but with FORMATTED_SMS_PP_UPD	Returns 0x0033	
27	Same test as 10 but with FORMATTED_SMS_PP_UPD	Returns 0x006C	
28	Same test as 11 but with FORMATTED_SMS_PP_UPD	Returns 0x006D	
29	Same test as 12 but with FORMATTED_SMS_PP_UPD	Returns 0x0079	
30	Same test as 13 but with FORMATTED_SMS_PP_UPD	Returns 0x0005	
31	Test with secured data length = 0x7F (2 concatenated envelopes are needed)	Returns 0x007F	
32	Test with secured data length = 0x80 (2 concatenated envelopes are needed)	Returns 0x0080	
33	Test with secured data length = maximum length for 2 concatenated envelopes : 0xFA	Returns 0x00FA	
34	Test with FORMATTED_SMS_PP_UPD Verify after call of the method the current TLV is	getValueByte returns 0x0040	

Id	Description	API Expectation	APDU Expectation
	the TPDU TLV: findTLV device identities, getSecuredDataLength and then getValueByte to verify that the current TLV is the TPDU TLV		
	FORMATTED SMS CB Triggering		
35	Same test as 4 but with FORMATTED_SMS_CB	Returns 0x0010	
36	Same test as 5 but with FORMATTED_SMS_CB	Returns 0x0010	
37	Same test as 6 but with FORMATTED_SMS_CB	Returns 0x0010	
38	Same test as 7 but with FORMATTED_SMS_CB	Returns 0x0005	
39	Same test as 8 but with FORMATTED_SMS_CB	Returns 0x0000	
40	Same test as 9 but with FORMATTED_SMS_CB	Returns 0x0033	
41	Same test as 12 but with maximum secured data length: 0x42, and FORMATTED_SMS_CB	Returns 0x0042	
42	Test with FORMATTED_SMS_CB Verify after call of the method the current TLV is the Cell Broadcast Page TLV: findTLV device identities, getSecuredDataLength and then getValueByte to verify that the current TLV is the Cell Broadcast Page TLV	getValueByte returns 0x00	
	Error tests		
43	Send an envelope SMS CB, getSecuredDataLength	ToolkitException UNAVAILABLE_ELEMENT	
44	Send an envelope SMS PP unformatted	ToolkitException UNAVAILABLE_ELEMENT	

6.2.4.3.4 Test Coverage

CRR number	Test case number
N1	1 to 42
N2	13, 30
N3	6, 7, 23, 24, 37, 38
N4	1 to 17
N5	18 to 34
N6	35 to 42
N7	17
N8	34
N9	42
C1	43
C2	44

[…]

Source file : API_2_ENH_GSDL.scr

```
RST
INI 07 01

REM ================================================================================
REM ===============     FORMATTED SMS PP ENV Triggering     ==================
REM ================================================================================

REM **** CASE 1-3: with various TP-OA ****
REM secured data length = 0x2A
REM trigger the appli with TP-OA length=2
CMD A0 C2 00 00 5A \
D1 58 82 02 83 81 06 05 80 11 22 33 44 8B 4B 40 \
02 81 55 7F F6 00 11 29 12 00 00 04 3D 02 70 00 \
00 38 0D 08 00 00 00 28 81 85 00 00 00 00 01 00 \
11 22 33 44 55 66 77 88 99 10 11 12 13 14 15 16 \
17 18 19 1A 1B 1C 1D 1E 1F 20 21 22 23 24 25 26 \
```

27 28 29 2A 2B 2C 2D 2E 2F 30 \
(90 00)

REM trigger the appli with TP-OA length=6
CMD A0 C2 00 00 5C \
D1 5A 82 02 83 81 06 05 80 11 22 33 44 8B 4D 40 \
06 81 55 66 77 7F F6 00 11 29 12 00 00 04 3D 02 \
70 00 00 38 0D 08 00 00 00 28 81 85 00 00 00 00 \
01 00 11 22 33 44 55 66 77 88 99 10 11 12 13 14 \
15 16 17 18 19 1A 1B 1C 1D 1E 1F 20 21 22 23 24 \
25 26 27 28 29 2A 2B 2C 2D 2E 2F 30 \
(90 00)

REM trigger the appli with TP-OA length=12
CMD A0 C2 00 00 5F \
D1 5D 82 02 83 81 06 05 80 11 22 33 44 8B 50 40 \
0C 81 33 44 55 66 77 88 7F F6 00 11 29 12 00 00 \
04 3D 02 70 00 00 38 0D 08 00 00 00 28 81 85 00 \
00 00 00 01 00 11 22 33 44 55 66 77 88 99 10 11 \
12 13 14 15 16 17 18 19 1A 1B 1C 1D 1E 1F 20 21 \
22 23 24 25 26 27 28 29 2A 2B 2C 2D 2E 2F 30 \
(90 00)

REM **** CASE 4-5: with various RC/CC/DS ****
REM secured data length = 0x10

REM trigger the appli with RC/CC/DS length=0
CMD A0 C2 00 00 40 \
D1 3E 82 02 83 81 06 05 80 11 22 33 44 8B 31 40 \
02 81 55 7F F6 00 11 29 12 00 00 04 23 02 70 00 \
00 1E 0D 08 00 00 00 28 81 85 00 00 00 00 01 00 \
11 22 33 44 55 66 77 88 11 22 33 44 55 66 77 88 \
(90 00)

REM trigger the appli with RC/CC/DS length=8
CMD A0 C2 00 00 48 \
D1 46 82 02 83 81 06 05 80 11 22 33 44 8B 39 40 \
02 81 55 7F F6 00 11 29 12 00 00 04 2B 02 70 00 \
00 26 15 0A 02 00 11 28 81 85 00 00 00 00 01 00 \
82 66 E2 8D E5 7A 49 A2 10 11 12 13 14 15 16 17 \
18 19 1A 1B 1C 1D 1E 1F \
(90 00)

REM **** CASE 6: with PCNTR = 00 ****
REM secured data length = 0x10

CMD A0 C2 00 00 43 \
D1 41 82 02 83 81 06 05 80 11 22 33 44 8B 34 40 \
08 81 55 66 77 88 7F F6 00 11 29 12 00 00 04 23 \
02 70 00 00 1E 0D 08 00 00 00 28 81 85 00 00 00 \
00 01 00 10 11 12 13 14 15 16 17 18 19 1A 1B 1C \
1D 1E 1F \
(90 00)

REM **** CASE 7: with PCNTR = 05 ****
REM secured data length = 0x05
CMD A0 C2 00 00 3D \
D1 3B 82 02 83 81 06 05 80 11 22 33 44 8B 2E 40 \
08 81 55 66 77 88 7F F6 00 11 29 12 00 00 04 1D \
02 70 00 00 18 0D 0C 00 11 00 28 81 85 79 49 1B \

1A 40 2D 17 63 60 66 2B E8 C5 9B 2E 0B \
(90 00)
~~REM **** CASE 7: with PCNTR = 07 ****~~
~~REM secured data length = 0x05~~
~~CMD A0 C2 00 00 3F \~~
~~D1 3D 82 02 83 81 06 05 80 11 22 33 44 8B 30 40 \~~
~~08 81 55 66 77 88 7F F6 00 11 29 12 00 00 04 1F \~~
~~02 70 00 00 1A 0D 08 00 00 00 28 81 85 00 00 00 \~~
~~00 01 07 10 11 12 13 14 00 00 00 00 00 00 00 \~~
~~(90 00)~~

REM **** CASE 8: with secure data length = 0
CMD A0 C2 00 00 33 \
D1 31 82 02 83 81 06 05 80 11 22 33 44 8B 24 40 \
08 81 55 66 77 88 7F F6 00 11 29 12 00 00 04 13 \
02 70 00 00 0E 0D 08 00 00 00 28 81 85 00 00 00 \
00 01 00 \
(90 00)

REM **** CASE 9: with user data length = 0x33
CMD A0 C2 00 00 68 \
D1 66 82 02 83 81 06 05 80 11 22 33 44 8B 59 40 \
0C 81 33 44 55 66 77 88 7F F6 00 11 29 12 00 00 \
04 46 02 70 00 00 41 0D 08 00 00 00 28 81 85 00 \
00 00 00 01 00 01 02 03 04 05 06 07 08 09 0A 0B \
0C 0D 0E 0F 10 11 12 13 14 15 16 17 18 19 1A 1B \
1C 1D 1E 1F 20 21 22 23 24 25 26 27 28 29 2A 2B \
2C 2D 2E 2F 30 31 32 33 \
(90 00)

REM **** CASE 10: with user data length = 0x6C
CMD A0 C2 00 00 A3 \
D1 81 A0 82 02 83 81 06 05 80 11 22 33 44 8B 81 \
92 40 0C 81 33 44 55 66 77 88 7F F6 00 11 29 12 \
00 00 04 7F 02 70 00 00 7A 0D 08 00 00 00 28 81 \
85 00 00 00 00 01 00 01 02 03 04 05 06 07 08 09 \
0A 0B 0C 0D 0E 0F 10 01 02 03 04 05 06 07 08 09 \
0A 0B 0C 0D 0E 0F 10 01 02 03 04 05 06 07 08 09 \
0A 0B 0C 0D 0E 0F 10 01 02 03 04 05 06 07 08 09 \
0A 0B 0C 0D 0E 0F 10 01 02 03 04 05 06 07 08 09 \
0A 0B 0C 0D 0E 0F 10 01 02 03 04 05 06 07 08 09 \
0A 0B 0C 0D 0E 0F 10 01 02 03 04 05 06 07 08 09 \
0A 0B 0C \
(90 00)

REM **** CASE 11: with user data length = 0x6D
CMD A0 C2 00 00 A4 \
D1 81 A1 82 02 83 81 06 05 80 11 22 33 44 8B 81 \
93 40 0C 81 33 44 55 66 77 88 7F F6 00 11 29 12 \
00 00 04 80 02 70 00 00 7B 0D 08 00 00 00 28 81 \
85 00 00 00 00 01 00 01 02 03 04 05 06 07 08 09 \
0A 0B 0C 0D 0E 0F 10 01 02 03 04 05 06 07 08 09 \
0A 0B 0C 0D 0E 0F 10 01 02 03 04 05 06 07 08 09 \
0A 0B 0C 0D 0E 0F 10 01 02 03 04 05 06 07 08 09 \
0A 0B 0C 0D 0E 0F 10 01 02 03 04 05 06 07 08 09 \
0A 0B 0C 0D 0E 0F 10 01 02 03 04 05 06 07 08 09 \
0A 0B 0C 0D 0E 0F 10 01 02 03 04 05 06 07 08 09 \
0A 0B 0C 0D \
(90 00)

REM **** CASE 12: with maximum user data length = 0x79

CMD A0 C2 00 00 B0 \
D1 81 AD 82 02 83 81 06 05 80 11 22 33 44 8B 81 \
9F 40 0C 81 33 44 55 66 77 88 7F F6 00 11 29 12 \
00 00 04 8C 02 70 00 00 87 0D 08 00 00 00 28 81 \
85 00 00 00 00 01 00 01 02 03 04 05 06 07 08 09 \
0A 0B 0C 0D 0E 0F 10 01 02 03 04 05 06 07 08 09 \
0A 0B 0C 0D 0E 0F 10 01 02 03 04 05 06 07 08 09 \
0A 0B 0C 0D 0E 0F 10 01 02 03 04 05 06 07 08 09 \
0A 0B 0C 0D 0E 0F 10 01 02 03 04 05 06 07 08 09 \
0A 0B 0C 0D 0E 0F 10 01 02 03 04 05 06 07 08 09 \
0A 0B 0C 0D 0E 0F 10 01 02 03 04 05 06 07 08 09 \
0A 0B 0C 0D 0E 0F 10 01 02 03 04 05 06 07 08 09 \
(90 00)

REM **** CASE 13: with 2 TLV TPDU
CMD A0 C2 00 00 68 \
D1 66 82 02 83 81 06 05 80 11 22 33 44 8B 29 40 \
08 81 55 66 77 88 7F F6 00 11 29 12 00 00 04 18 \
02 70 00 00 13 0D 08 00 00 00 28 81 85 00 00 00 \
00 01 00 01 02 03 04 05 8B 2E 40 08 81 55 66 77 \
88 7F F6 00 11 29 12 00 00 04 1D 02 70 00 00 18 \
0D 08 00 00 00 28 81 85 00 00 00 00 01 00 01 02 \
03 04 05 06 07 08 09 0A \
(90 00)

REM **** CASE 14: Concatenated SMS with secured data length = 0x7F
REM 1st envelope
CMD A0 C2 00 00 AE \
D1 81 AB 82 02 83 81 06 05 80 11 22 33 44 8B 81 \
9D 40 08 81 55 66 77 88 7F F6 00 11 29 12 00 00 \
04 8C 07 00 03 00 02 01 70 00 00 8D 0D 08 00 00 \
00 28 81 85 00 00 00 00 01 00 01 02 03 04 05 06 \
07 08 09 0A 0B 0C 0D 0E 0F 10 11 12 13 14 15 16 \
17 18 19 1A 1B 1C 1D 1E 1F 20 21 22 23 24 25 26 \
27 28 29 2A 2B 2C 2D 2E 2F 30 31 32 33 34 35 36 \
37 38 39 3A 3B 3C 3D 3E 3F 40 41 42 43 44 45 46 \
47 48 49 4A 4B 4C 4D 4E 4F 50 51 52 53 54 55 56 \
57 58 59 5A 5B 5C 5D 5E 5F 60 61 62 63 64 65 66 \
67 68 69 6A 6B 6C 6D 6E 6F 70 71 72 73 74 \
(90 00)

REM 2nd envelope
CMD A0 C2 00 00 31 \
D1 2F 82 02 83 81 06 05 80 11 22 33 44 8B 22 40 \
08 81 55 66 77 88 7F F6 00 11 29 12 00 00 04 11 \
05 00 03 00 02 02 75 76 77 78 79 7A 7B 7C 7D 7E \
7F \
(90 00)

REM **** CASE 15: Concatenated SMS with secured data length = 0x80
REM 1st envelope
CMD A0 C2 00 00 AE \
D1 81 AB 82 02 83 81 06 05 80 11 22 33 44 8B 81 \
9D 40 08 81 55 66 77 88 7F F6 00 11 29 12 00 00 \
04 8C 07 00 03 00 02 01 70 00 00 8E 0D 08 00 00 \
00 28 81 85 00 00 00 00 01 00 01 02 03 04 05 06 \
07 08 09 0A 0B 0C 0D 0E 0F 10 11 12 13 14 15 16 \
17 18 19 1A 1B 1C 1D 1E 1F 20 21 22 23 24 25 26 \
27 28 29 2A 2B 2C 2D 2E 2F 30 31 32 33 34 35 36 \
37 38 39 3A 3B 3C 3D 3E 3F 40 41 42 43 44 45 46 \
47 48 49 4A 4B 4C 4D 4E 4F 50 51 52 53 54 55 56 \
57 58 59 5A 5B 5C 5D 5E 5F 60 61 62 63 64 65 66 \

```
67 68 69 6A 6B 6C 6D 6E 6F 70 71 72 73 74 \
(90 00)

REM 2nd envelope
CMD A0 C2 00 00 32 \
D1 30 82 02 83 81 06 05 80 11 22 33 44 8B 23 40 \
08 81 55 66 77 88 7F F6 00 11 29 12 00 00 04 12 \
05 00 03 00 02 02 75 76 77 78 79 7A 7B 7C 7D 7E \
7F 80 \
(90 00)


REM **** CASE 16: Concatenated SMS with maximum user data length = 0x10D
REM **** Secured data length = 0xFA
REM 1st envelope
CMD A0 C2 00 00 AE \
D1 81 AB 82 02 83 81 06 05 80 11 22 33 44 8B 81 \
9D 40 08 81 55 66 77 88 7F F6 00 11 29 12 00 00 \
04 8C 07 00 03 00 02 01 70 00 01 08 0D 08 00 00 \
00 28 81 85 00 00 00 00 01 00 01 02 03 04 05 06 \
07 08 09 0A 0B 0C 0D 0E 0F 10 11 12 13 14 15 16 \
17 18 19 1A 1B 1C 1D 1E 1F 20 21 22 23 24 25 26 \
27 28 29 2A 2B 2C 2D 2E 2F 30 31 32 33 34 35 36 \
37 38 39 3A 3B 3C 3D 3E 3F 40 41 42 43 44 45 46 \
47 48 49 4A 4B 4C 4D 4E 4F 50 51 52 53 54 55 56 \
57 58 59 5A 5B 5C 5D 5E 5F 60 61 62 63 64 65 66 \
67 68 69 6A 6B 6C 6D 6E 6F 70 71 72 73 74 \
(90 00)

REM 2nd envelope
CMD A0 C2 00 00 AE \
D1 81 AB 82 02 83 81 06 05 80 11 22 33 44 8B 81 \
9D 40 08 81 55 66 77 88 7F F6 00 11 29 12 00 00 \
04 8C 05 00 03 00 02 02 75 76 77 78 79 7A 7B 7C \
7D 7E 7F 80 81 82 83 84 85 86 87 88 89 8A 8B 8C \
8D 8E 8F 90 91 92 93 94 95 96 97 98 99 9A 9B 9C \
9D 9E 9F A0 A1 A2 A3 A4 A5 A6 A7 A8 A9 AA AB AC \
AD AE AF B0 B1 B2 B3 B4 B5 B6 B7 B8 B9 BA BB BC \
BD BE BF C0 C1 C2 C3 C4 C5 C6 C7 C8 C9 CA CB CC \
CD CE CF D0 D1 D2 D3 D4 D5 D6 D7 D8 D9 DA DB DC \
DD DE DF E0 E1 E2 E3 E4 E5 E6 E7 E8 E9 EA EB EC \
ED EE EF F0 F1 F2 F3 F4 F5 F6 F7 F8 F9 FA \
(90 00)

REM **** CASE 17: findTLV device identities, verify the length of the secured data and use
REM the getvalueByte method to verify that the TP-DU TLV is selected
REM secured data length = 0x05
CMD A0 C2 00 00 38 \
D1 36 82 02 83 81 06 05 80 11 22 33 44 8B 29 40 \
08 81 55 66 77 88 7F F6 00 11 29 12 00 00 04 18 \
02 70 00 00 13 0D 08 00 00 00 28 81 85 00 00 00 \
00 01 00 10 11 12 13 14 \
(90 00)


REM ================================================================================
REM ===============     FORMATTED SMS PP UPD Triggering     ==================
REM ================================================================================

REM **** CASE 18-20: with various TP-OA (UPD)****
REM secured data length = 0x2B
CMD A0 A4 00 00 02 \
```

7F 10

CMD A0 A4 00 00 02 \
6F 3C

REM trigger the appli with TP-OA length=2
CMD A0 DC 01 04 B0 \
03 05 80 11 22 33 44 40 02 81 55 7F F6 00 11 29 \
12 00 00 04 3D 02 70 00 00 38 0D 08 00 00 00 28 \
81 85 00 00 00 00 01 00 11 22 33 44 55 66 77 88 \
99 10 11 12 13 14 15 16 17 18 19 1A 1B 1C 1D 1E \
1F 20 21 22 23 24 25 26 27 28 29 2A 2B 2C 2D 2E \
2F 30 FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
(90 00)

REM trigger the appli with TP-OA length=6
CMD A0 DC 01 04 B0 \
03 05 80 11 22 33 44 40 06 81 55 66 77 7F F6 00 \
11 29 12 00 00 04 3D 02 70 00 00 38 0D 08 00 00 \
00 28 81 85 00 00 00 00 01 00 11 22 33 44 55 66 \
77 88 99 10 11 12 13 14 15 16 17 18 19 1A 1B 1C \
1D 1E 1F 20 21 22 23 24 25 26 27 28 29 2A 2B 2C \
2D 2E 2F 30 FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
(90 00)

REM trigger the appli with TP-OA length=12
CMD A0 DC 01 04 B0 \
03 05 80 11 22 33 44 40 0C 81 33 44 55 66 77 88 \
7F F6 00 11 29 12 00 00 04 3D 02 70 00 00 38 0D \
08 00 00 00 28 81 85 00 00 00 00 01 00 11 22 33 \
44 55 66 77 88 99 10 11 12 13 14 15 16 17 18 19 \
1A 1B 1C 1D 1E 1F 20 21 22 23 24 25 26 27 28 29 \
2A 2B 2C 2D 2E 2F 30 FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
(90 00)

REM **** CASE 21-22: with various RC/CC/DS ****
REM secured data length = 0x10

REM trigger the appli with RC/CC/DS length=0
CMD A0 DC 01 04 B0 \
03 05 80 11 22 33 44 40 02 81 55 7F F6 00 11 29 \
12 00 00 04 23 02 70 00 00 1E 0D 08 00 00 00 28 \
81 85 00 00 00 00 01 00 11 22 33 44 55 66 77 88 \
11 22 33 44 55 66 77 88 FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \

FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
(90 00)

REM trigger the appli with RC/CC/DS length=8
CMD A0 DC 01 04 B0 \
03 05 80 11 22 33 44 40 02 81 55 7F F6 00 11 29 \
12 00 00 04 2B 02 70 00 00 26 15 0A 02 00 11 28 \
81 85 00 00 00 00 01 00 82 66 E2 8D E5 7A 49 A2 \
10 11 12 13 14 15 16 17 18 19 1A 1B 1C 1D 1E 1F \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
(90 00)

REM **** CASE 23: with PCNTR = 00 ****
REM secured data length = 0x10
CMD A0 DC 01 04 B0 \
03 05 80 11 22 33 44 40 02 81 55 7F F6 00 11 29 \
12 00 00 04 23 02 70 00 00 1E 0D 08 00 00 00 28 \
81 85 00 00 00 00 01 00 10 11 12 13 14 15 16 17 \
18 19 1A 1B 1C 1D 1E 1F FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
(90 00)

REM **** CASE 24: with PCNTR = 05 ****
REM secured data length = 0x05
CMD A0 DC 01 04 B0 \
03 05 80 11 22 33 44 40 08 81 55 66 77 88 7F F6 \
00 11 29 12 00 00 04 1D 02 70 00 00 18 0D 0C 00 \
11 00 28 81 85 79 49 1B 1A 40 2D 17 63 60 66 2B \
E8 C5 9B 2E 0B FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
(90 00)
~~REM **** CASE 24: with PCNTR = 07 ****~~
~~REM secured data length = 0x05~~
~~CMD A0 DC 01 04 B0 \~~
~~03 05 80 11 22 33 44 40 08 81 55 66 77 88 7F F6 \~~
~~00 11 29 12 00 00 04 1F 02 70 00 00 1A 0D 08 00 \~~
~~00 00 28 81 85 00 00 00 00 01 07 10 11 12 13 14 \~~
~~00 00 00 00 00 00 00 FF FF FF FF FF FF FF FF FF \~~

~~FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \~~
~~FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \~~
~~FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \~~
~~FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \~~
~~FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \~~
~~FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \~~
~~FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \~~
~~(90 00)~~

REM **** CASE 25: with secure data length = 0
CMD A0 DC 01 04 B0 \
03 05 80 11 22 33 44 40 02 81 55 7F F6 00 11 29 \
12 00 00 04 13 02 70 00 00 0E 0D 08 00 00 00 28 \
81 85 00 00 00 00 01 00 FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
(90 00)

REM **** CASE 26: with user data length = 0x33
CMD A0 DC 01 04 B0 \
03 05 80 11 22 33 44 40 02 81 55 7F F6 00 11 29 \
12 00 00 04 46 02 70 00 00 41 0D 08 00 00 00 28 \
81 85 00 00 00 00 01 00 01 02 03 04 05 06 07 08 \
09 0A 0B 0C 0D 0E 0F 10 11 12 13 14 15 16 17 18 \
19 1A 1B 1C 1D 1E 1F 20 21 22 23 24 25 26 27 28 \
29 2A 2B 2C 2D 2E 2F 30 31 32 33 FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
(90 00)

REM **** CASE 27: with user data length = 0x7F
CMD A0 DC 01 04 B0 \
03 05 80 11 22 33 44 40 02 81 55 7F F6 00 11 29 \
12 00 00 04 7F 02 70 00 00 7A 0D 08 00 00 00 28 \
81 85 00 00 00 00 01 00 01 02 03 04 05 06 07 08 \
09 0A 0B 0C 0D 0E 0F 10 11 12 13 14 15 16 17 18 \
19 1A 1B 1C 1D 1E 1F 10 11 12 13 14 15 16 17 18 \
19 1A 1B 1C 1D 1E 1F 10 11 12 13 14 15 16 17 18 \
19 1A 1B 1C 1D 1E 1F 10 11 12 13 14 15 16 17 18 \
19 1A 1B 1C 1D 1E 1F 10 11 12 13 14 15 16 17 18 \
19 1A 1B 1C 1D 1E 1F 10 11 12 13 14 15 16 17 18 \
19 1A 1B 1C FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
(90 00)

REM **** CASE 28: with user data length = 0x80
CMD A0 DC 01 04 B0 \
03 05 80 11 22 33 44 40 02 81 55 7F F6 00 11 29 \
12 00 00 04 80 02 70 00 00 7B 0D 08 00 00 00 28 \
81 85 00 00 00 00 01 00 01 02 03 04 05 06 07 08 \

09 0A 0B 0C 0D 0E 0F 10 11 12 13 14 15 16 17 18 \
19 1A 1B 1C 1D 1E 1F 10 11 12 13 14 15 16 17 18 \
19 1A 1B 1C 1D 1E 1F 10 11 12 13 14 15 16 17 18 \
19 1A 1B 1C 1D 1E 1F 10 11 12 13 14 15 16 17 18 \
19 1A 1B 1C 1D 1E 1F 10 11 12 13 14 15 16 17 18 \
19 1A 1B 1C 1D 1E 1F 10 11 12 13 14 15 16 17 18 \
19 1A 1B 1C 1D FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
(90 00)

REM **** CASE 29: with maximum user data length = 0x8C
CMD A0 DC 01 04 B0 \
03 05 80 11 22 33 44 40 02 81 55 7F F6 00 11 29 \
12 00 00 04 8C 02 70 00 00 87 0D 08 00 00 00 28 \
81 85 00 00 00 00 01 00 01 02 03 04 05 06 07 08 \
09 0A 0B 0C 0D 0E 0F 10 11 12 13 14 15 16 17 18 \
19 1A 1B 1C 1D 1E 1F 10 11 12 13 14 15 16 17 18 \
19 1A 1B 1C 1D 1E 1F 10 11 12 13 14 15 16 17 18 \
19 1A 1B 1C 1D 1E 1F 10 11 12 13 14 15 16 17 18 \
19 1A 1B 1C 1D 1E 1F 10 11 12 13 14 15 16 17 18 \
19 1A 1B 1C 1D 1E 1F 10 11 12 13 14 15 16 17 18 \
19 1A 1B 1C 1D 1E 1F 10 11 12 13 14 15 16 17 18 \
19 FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
(90 00)

REM **** CASE 30: with 2 TLV TPDU
CMD A0 DC 01 04 B0 \
03 05 80 11 22 33 44 40 08 81 55 66 77 88 7F F6 \
00 11 29 12 00 00 04 18 02 70 00 00 13 0D 08 00 \
00 00 28 81 85 00 00 00 00 01 00 01 02 03 04 05 \
40 08 81 55 66 77 88 7F F6 00 11 29 12 00 00 04 \
1D 02 70 00 00 18 0D 08 00 00 00 28 81 85 00 00 \
00 00 01 00 01 02 03 04 05 06 07 08 09 0A FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
(90 00)

REM **** CASE 31: Concatenated SMS with secured data length = 0x7F
REM 1st Update record
CMD A0 DC 01 04 B0 \
03 05 80 11 22 33 44 40 02 81 55 7F F6 00 11 29 \
12 00 00 04 8C 07 00 03 00 02 01 70 00 00 8D 0D \
08 00 00 00 28 81 85 00 00 00 00 01 00 01 02 03 \
04 05 06 07 08 09 0A 0B 0C 0D 0E 0F 10 11 12 13 \
14 15 16 17 18 19 1A 1B 1C 1D 1E 1F 20 21 22 23 \
24 25 26 27 28 29 2A 2B 2C 2D 2E 2F 30 31 32 33 \
34 35 36 37 38 39 3A 3B 3C 3D 3E 3F 40 41 42 43 \
44 45 46 47 48 49 4A 4B 4C 4D 4E 4F 50 51 52 53 \
54 55 56 57 58 59 5A 5B 5C 5D 5E 5F 60 61 62 63 \
64 65 66 67 68 69 6A 6B 6C 6D 6E 6F 70 71 72 73 \
74 FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
(90 00)

REM 2nd Update record
CMD A0 DC 01 04 B0 \
03 05 80 11 22 33 44 40 02 81 55 7F F6 00 11 29 \
12 00 00 04 11 05 00 03 00 02 02 75 76 77 78 79 \

7A 7B 7C 7D 7E 7F FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
(90 00)

REM **** CASE 32: Concatenated SMS with secured data length = 0x80
REM 1st Update record
CMD A0 DC 01 04 B0 \
03 05 80 11 22 33 44 40 02 81 55 7F F6 00 11 29 \
12 00 00 04 8C 07 00 03 00 02 01 70 00 00 8E 0D \
08 00 00 00 28 81 85 00 00 00 00 01 00 01 02 03 \
04 05 06 07 08 09 0A 0B 0C 0D 0E 0F 10 11 12 13 \
14 15 16 17 18 19 1A 1B 1C 1D 1E 1F 20 21 22 23 \
24 25 26 27 28 29 2A 2B 2C 2D 2E 2F 30 31 32 33 \
34 35 36 37 38 39 3A 3B 3C 3D 3E 3F 40 41 42 43 \
44 45 46 47 48 49 4A 4B 4C 4D 4E 4F 50 51 52 53 \
54 55 56 57 58 59 5A 5B 5C 5D 5E 5F 60 61 62 63 \
64 65 66 67 68 69 6A 6B 6C 6D 6E 6F 70 71 72 73 \
74 FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
(90 00)

REM 2nd Update record
CMD A0 DC 01 04 B0 \
03 05 80 11 22 33 44 40 02 81 55 7F F6 00 11 29 \
12 00 00 04 12 05 00 03 00 02 02 75 76 77 78 79 \
7A 7B 7C 7D 7E 7F 80 FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
(90 00)

REM **** CASE 33: Concatenated SMS with user data length = 0x10D
REM 1st Update record
CMD A0 DC 01 04 B0 \
03 05 80 11 22 33 44 40 02 81 55 7F F6 00 11 29 \
12 00 00 04 8C 07 00 03 00 02 01 70 00 01 08 0D \
08 00 00 00 28 81 85 00 00 00 00 01 00 01 02 03 \
04 05 06 07 08 09 0A 0B 0C 0D 0E 0F 10 11 12 13 \
14 15 16 17 18 19 1A 1B 1C 1D 1E 1F 20 21 22 23 \
24 25 26 27 28 29 2A 2B 2C 2D 2E 2F 30 31 32 33 \
34 35 36 37 38 39 3A 3B 3C 3D 3E 3F 40 41 42 43 \
44 45 46 47 48 49 4A 4B 4C 4D 4E 4F 50 51 52 53 \
54 55 56 57 58 59 5A 5B 5C 5D 5E 5F 60 61 62 63 \
64 65 66 67 68 69 6A 6B 6C 6D 6E 6F 70 71 72 73 \
74 FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
(90 00)

REM 2nd Update record
CMD A0 DC 01 04 B0 \
03 05 80 11 22 33 44 40 02 81 55 7F F6 00 11 29 \
12 00 00 04 8C 05 00 03 00 02 02 75 76 77 78 79 \

7A 7B 7C 7D 7E 7F 80 81 82 83 84 85 86 87 88 89 \
8A 8B 8C 8D 8E 8F 90 91 92 93 94 95 96 97 98 99 \
9A 9B 9C 9D 9E 9F A0 A1 A2 A3 A4 A5 A6 A7 A8 A9 \
AA AB AC AD AE AF B0 B1 B2 B3 B4 B5 B6 B7 B8 B9 \
BA BB BC BD BE BF C0 C1 C2 C3 C4 C5 C6 C7 C8 C9 \
CA CB CC CD CE CF D0 D1 D2 D3 D4 D5 D6 D7 D8 D9 \
DA DB DC DD DE DF E0 E1 E2 E3 E4 E5 E6 E7 E8 E9 \
EA EB EC ED EE EF F0 F1 F2 F3 F4 F5 F6 F7 F8 F9 \
FA FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
(90 00)

REM **** CASE 34: findTLV device identities, verify the length of the secured data and use
REM the getvalueByte method to verify that the TP-DU TLV is selected
REM secured data length = 0x05
CMD A0 DC 01 04 B0 \
03 05 80 11 22 33 44 40 08 81 55 66 77 88 7F F6 \
00 11 29 12 00 00 04 18 02 70 00 00 13 0D 08 00 \
00 00 28 81 85 00 00 00 00 01 00 01 02 03 04 05 \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
(90 00)

REM ===
REM ================ FORMATTED SMS CB Triggering ==================
REM ===

REM **** CASE 35-36: with various RC/CC/DS (FORMATTED-SMS-CB)****
REM secured data length = 0x10

REM trigger the appli with RC/CC/DS length=0
CMD A0 C2 00 00 60 \
D2 5E 82 02 83 81 0C 58 00 00 10 80 F6 11 00 1E \
0D 08 00 00 00 28 81 85 00 00 00 00 01 00 11 22 \
33 44 55 66 77 88 11 22 33 44 55 66 77 88 00 00 \
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 \
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 \
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 \
(90 00)

REM trigger the appli with RC/CC/DS length=8
CMD A0 C2 00 00 60 \
D2 5E 82 02 83 81 0C 58 00 00 10 80 F6 11 00 26 \
15 0A 00 00 11 28 81 85 00 00 00 00 01 00 76 C8 \
2B 95 88 DD 09 2B 11 22 33 44 55 66 77 88 11 22 \
33 44 55 66 77 88 00 00 00 00 00 00 00 00 00 00 \
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 \
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 \
(90 00)

REM **** CASE 37: with PCNTR = 00 ****
REM secured data length = 0x10

CMD A0 C2 00 00 60 \
D2 5E 82 02 83 81 0C 58 00 00 10 80 F6 11 00 1E \

0D 08 00 00 00 28 81 85 00 00 00 00 01 00 10 11 \
12 13 14 15 16 17 18 19 1A 1B 1C 1D 1E 1F 00 00 \
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 \
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 \
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 \
(90 00)

~~REM **** CASE 38: with PCNTR = 07 ****~~
~~REM secured data length = 0x05~~
~~CMD A0 C2 00 00 60 \~~
~~D2 5E 82 02 83 81 0C 58 00 00 10 80 F6 11 00 1A \~~
~~0D 08 00 00 00 28 81 85 00 00 00 00 01 07 10 11 \~~
~~12 13 14 00 00 00 00 00 00 00 00 00 00 00 00 \~~
~~00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 \~~
~~00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 \~~
~~00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 \~~
~~(90 00)~~
REM **** CASE 38: with PCNTR = 05 ****
REM secured data length = 0x05
CMD A0 C2 00 00 60 \
D2 5E 82 02 83 81 0C 58 00 00 10 80 F6 11 00 18 \
0D 0C 00 11 00 28 81 85 79 49 1B 1A 40 2D 17 63 \
60 66 2B E8 C5 9B 2E 0B 00 00 00 00 00 00 00 00 \
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 \
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 \
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 \
(90 00)

[…]

3GPP CT6#35 Meeting
Cancun, Mexico, 26-29 Apr. 2005

C6-050440

CR-Form-v7.1

CHANGE REQUEST

⌘ **51.013** **CR** 020 ⌘ **rev** **-** ⌘ Current version: **5.3.0** ⌘

*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⌘ [X] ME [ ] Radio Access Network [ ] Core Network [ ]

Title:	⌘	Restore files content in API_1_SVW_UPDRSBS_BSS_1.clr file
Source:	⌘	CT6
Work item code:	⌘	TEI5
Date:	⌘	28/04/2005
Category:	⌘	**F**
Release:	⌘	Rel-5

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:
Ph2 (GSM Phase 2)
R96 (Release 1996)
R97 (Release 1997)
R98 (Release 1998)
R99 (Release 1999)
Rel-4 (Release 4)
Rel-5 (Release 5)
Rel-6 (Release 6)
Rel-7 (Release 7)

Reason for change:	⌘	Some files content is not restored after updateRecord() method test. Then, depending when running this test, the test suite can be run correctly, or not.
Summary of change:	⌘	Restore files content in updateRecord() method test clear file.
Consequences if not approved:	⌘	The test suite will not run correctly.

Clauses affected:	⌘	Annex E source code (API_1_SVW_UPDRSBS_BSS_1.clr)

		Y	N		
Other specs Affected:	⌘		X	Other core specifications	⌘
			X	Test specifications	
			X	O&M Specifications	
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.

```
REM ---------------------------------------------------------------
REM API_1_SVW_UPDRSBS_BSS_1.CLR
REM ---------------------------------------------------------------
REM The following values are all in hexadecimal.
REM LOAD FILE AID          = A0 00 00 00 09 00 02 FF FF FF FF 89 24 26 00 00
REM APPLET CLASS AID [1]    = A0 00 00 00 09 00 02 FF FF FF FF 89 24 26 04 01
REM APPLET INSTANCE AID [1] = A0 00 00 00 09 00 02 FF FF FF FF 89 24 26 05 02

REM Reset and do SIM initialisation
RST
INI FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF

REM ENVELOPE SMS-PP (DELETE INSTANCE 1)
CMD A0 C2 00 00 4B \
D1 49 82 02 83 81 8B 43 40 08 81 55 66 77 88 7F \
F6 00 11 29 12 00 00 04 32 02 70 00 00 2D 15 0A \
00 00 11 00 00 00 00 00 00 00 01 00 A2 CC 37 AC \
1A 12 0E BC 80 E4 00 00 12 4F 10 A0 00 00 00 09 \
00 02 FF FF FF FF 89 24 26 05 02 \
(90 00)

REM ENVELOPE SMS-PP (DELETE PACKAGE)
CMD A0 C2 00 00 4B \
D1 49 82 02 83 81 8B 43 40 08 81 55 66 77 88 7F \
F6 00 11 29 12 00 00 04 32 02 70 00 00 2D 15 0A \
00 00 11 00 00 00 00 00 00 00 01 00 78 DD D6 D4 \
31 FB FD AB 80 E4 00 00 12 4F 10 A0 00 00 00 09 \
00 02 FF FF FF FF 89 24 26 00 00 \
(90 00)

REM ---------------------------------------------
REM RESTORE FILESYSTEM:
REM   Put all the writable files back to their
REM   original status: EF_taru, EF_caru, EF_laru
REM ---------------------------------------------
REM Select MF
CMD A0 A4 00 00 02 \
3F 00

REM Select DF_simtest
CMD A0 A4 00 00 02 \
03 19

REM Select EF_taru
CMD A0 A4 00 00 02 \
6F 03

REM UpdateBinary EF_taru first 130 bytes (0x82)
CMD A0 D6 00 00 82 \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF \
(90 00)

REM UpdateBinary EF_taru last 130 bytes (0x82)
CMD A0 D6 00 82 82 \
```

FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF \
FF FF \
(90 00)

REM Select EF_caru
CMD A0 A4 00 00 02 \
6F 09

REM UpdateRecord EF_caru
CMD A0 DC 00 03 03 \
AA AA AA \
(90 00)

CMD A0 DC 00 03 03 \
55 55 55 \
(90 00)

REM Select EF_laru
CMD A0 A4 00 00 02 \
6F 0C

REM UpdateRecord EF_laru
CMD A0 DC 01 04 04 \
55 55 55 55 \
(90 00)

CMD A0 DC 02 04 04 \
AA AA AA AA \
(90 00)

REM (Select and) rehabilitate EF_tnr
CMD A0 A4 00 00 02 \
6F 01

CMD A0 44 00 00 00