## 3GPP TSG-T (Terminals) Meeting #18 New Orleans, USA, 4-6 December 2002

Tdoc TP-020286

**Source:** TSG-T3

Title: Change Requests to TS 31.121 "USIM application test"

**Document for:** Approval

This document contains several change requests as follows:

Doc-1st-	Spec	CR	Phas	Subject	Cat	Vers.	Vers.	Doc-2nd-
Level			е			old	new	Level
TP-020286	31.121	014	R99	Correction of PIN 2 related tests	F	3.3.0	3.4.0	T3-020897
TP-020286	31.121	015	Rel-4	Correction of PIN 2 related tests	Α	4.2.0	4.3.0	T3-020898
TP-020286	31.121	016	R99	Essential clarifications	F	3.3.0	3.4.0	T3-020899
TP-020286	31.121	017	Rel-4	Essential clarifications	Α	4.2.0	4.3.0	T3-020900
TP-020286	31.121	018	R99	Correction of EF OPLMNwACT	F	3.3.0	3.4.0	T3-020901
TP-020286	31.121	019	Rel-4	Correction of EF OPLMNwACT	Α	4.2.0	4.3.0	T3-020902

CHANGE REQUEST										
*	31.121 CR	014	жrev	-	¥	Current version:	3.3.0	#		

#	31.121	CR <mark>014</mark>	∺ rev	<b>-</b> #	Current vers	ion: <b>3.3.0</b>	#
For <u><b>HELP</b></u> on	using this for	m, see bottom o	f this page or	ook at the	pop-up text	over the % syn	nbols.
Proposed change	e affects:	JICC apps <b>೫ <mark>X</mark></b>	ME X	Radio Ac	cess Networ	k Core Ne	twork
Title:	TS 31.12	1 R99 Correction	of PIN 2 relat	ed tests			
Source:	€ TSG T3						
Work item code:	€ TEI				Date: ♯	06/11/2002	
Category:	F (con A (con B (add C (fun D (edi Detailed exp	the following categ rection) responds to a corn lition of feature), ctional modification torial modification) olanations of the al 3GPP TR 21.900.	ection in an ear n of feature)		2 ) R96 R97 R98 R99 Rel-4	R99 the following rele (GSM Phase 2) (Release 1996) (Release 1997) (Release 1998) (Release 1999) (Release 4) (Release 5) (Release 6)	ases:
Reason for chang	ø: Ж A lev	el 1 key referenc	ce is used for	PIN 2 relat	ted tests		
Summary of chan	ge: Ж Used	key reference is	s replaced by	a level 2 k	ey reference		
Consequences if not approved:	ж <mark>Incor</mark>	rect PIN 2 tests	due to incorre	ct key refe	erence		
Clauses affected:	<b>第 6.1.4</b>	.5, 6.1.5.5, 6.1.6	5.5				
Other specs affected:	Y N  # N  N	Other core spec Test specification	ons	*			
Other comments:	*						

## 6.1.4.5 Acceptance criteria

- 1) After step b) the Terminal shall send a VERIFY PIN command to the UICC, with parameter P2 = "0281".
- 2) After step b) the UE shall give an indication "OK", following a successful execution of the command.

#### 6.1.5.5 Acceptance criteria

- 1) After step a), the Terminal shall send a CHANGE PIN2 command to the UICC, with the parameter P2 set to "0281".
- 2) Following the successful execution of the command, the UE shall give an indication that the new PIN2 is accepted.
- 3) After step d), the UE shall give an indication that the entered PIN2 is not accepted.
- 3) After step g), the UE shall give an indication "OK".

## 6.1.6.5 Acceptance criterias

- 1) After step b), the Terminal shall send an UNBLOCK PIN command to the UICC, with parameter P2 = "0281".
- 2) After step e), the Terminal shall indicate that the PIN2 has been accepted.
- 3) After step h), the Terminal shall indicate that the PIN2 has been blocked.
- 4) After step i), the Terminal shall send an UNBLOCK PIN command to the UICC, with parameter P2 = "0281".
- 5) After step 1), the Terminal shall indicate that the PIN2 has been accepted.

# 3GPP TSG-T3 Meeting #25 Maastricht, NL, 05.-08.11.2002

CHANGE REQUEST											
*	31.121 CR 015	# rev -	# Current version:	4.2.0 <sup>#</sup>							
- 1151.5											

	31.121 CR 013	#IEV -	Curront voroion.	4.2.0
For <u><b>HELP</b></u> on u	using this form, see bottom of a	this page or look at the	pop-up text over	the ¥ symbols.
Proposed change	affects: UICC apps₩ X	ME X Radio Ad	ccess Network	Core Network
Title: #	TS 31.121 Rel-4 Correction	of PIN 2 related tests		
Source: #	TSG T3			
Work item code: ₩	TEI		Date: 第 06/	11/2002
Category: 米	Use one of the following catego F (correction) A (corresponds to a correction) B (addition of feature), C (functional modification) D (editorial modification) Detailed explanations of the about	ction in an earlier release of feature)	R96 (Rele R97 (Rele R98 (Rele R99 (Rele Rel-4 (Rele Rel-5 (Rele	
	e:   A level 1 key reference  ge:   Used key reference is			
Consequences if not approved:	# Incorrect PIN 2 related		•	
Clauses affected:	<b>%</b> 6.1.4.5, 6.1.5.5, 6.1.6.5 <b>Y N</b>			
Other specs affected:	** N Other core specification  N O&M Specification	ns		
Other comments:	*			

## **How to create CRs using this form:**

Comprehensive information and tips about how to create CRs can be found at <a href="http://www.3gpp.org/specs/CR.htm">http://www.3gpp.org/specs/CR.htm</a>. 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 <a href="ftp://ftp.3gpp.org/specs/">ftp://ftp.3gpp.org/specs/</a> 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 ( the clause containing the first piece of changed text. Del the change request.	(use CTRL-A to select it) into the specification just in front of ete those parts of the specification which are not relevant to

## 6.1.4.5 Acceptance criteria

- 1) After step b) the Terminal shall send a VERIFY PIN command to the UICC, with parameter P2 = "0.281".
- 2) After step b) the UE shall give an indication "OK", following a successful execution of the command.

## 6.1.5.5 Acceptance criteria

- 1) After step a), the Terminal shall send a CHANGE PIN2 command to the UICC, with the parameter P2 set to "0281".
- 2) Following the successful execution of the command, the UE shall give an indication that the new PIN2 is accepted.
- 3) After step d), the UE shall give an indication that the entered PIN2 is not accepted.
- 3) After step g), the UE shall give an indication "OK".

## 6.1.6.5 Acceptance criterias

- 1) After step b), the Terminal shall send an UNBLOCK PIN command to the UICC, with parameter P2 = "0281".
- 2) After step e), the Terminal shall indicate that the PIN2 has been accepted.
- 3) After step h), the Terminal shall indicate that the PIN2 has been blocked.
- 4) After step i), the Terminal shall send an UNBLOCK PIN command to the UICC, with parameter P2 = "0281".
- 5) After step 1), the Terminal shall indicate that the PIN2 has been accepted.

	CHANGE REQUEST									
ж	31.121	CR <mark>016</mark>	жrev	-	¥	Current version:	3.3.0	¥		

<b>*</b>	31.121	CR 016	ж rev	<b>-</b> # (	Current vers	3.3.0	¥
For <b>HELP</b> on us	ing this for	m, see bottom of t	this page or l	look at the	pop-up text	over the ≭ syn	nbols.
Proposed change a		JICC apps <b>Ж <mark>X</mark></b>		Radio Ac	cess Networ	k Core Ne	twork
Title: ₩	TS 31.121	R99 Essential cla	arifications				
Source: #	TSG T3						
Work item code: ₩	TEI				Date: ₩	06/11/2002	
Reason for change: Summary of change Consequences if	F (correction of the correction of the correctio	the following categoriection) responds to a correction of feature), ctional modification of orial modification of the about a correction of the about a correction of the content of conten	ction in an ear	lier release)	2 R96 R97 R98 R99 Rel-4	R99 the following rele (GSM Phase 2) (Release 1996) (Release 1997) (Release 1998) (Release 1999) (Release 4) (Release 5) (Release 6)	vases:
not approved:			J				
Other specs Affected:	Y N H N N	Other core specification O&M Specification	fications ns	.3.2.3 #			
Other comments:	<b></b>						

## 4.1.1.11 EF<sub>PLMNwACT</sub> (User Controlled PLMN Selector with Access Technology)

Besides of the 8 mandatory EFPLMNwACT <u>entries</u> 4 optional EFPLMNwACT <u>entries</u> are defined according to the TS 31.102 subclause 4.2.5. The Radio Access Technology identifier for the first two PLMN (1<sup>st</sup> PLMN and 2<sup>nd</sup> PLMN) are set to both UTRAN and GSM, all other PLMN to UTRAN only.

Logic	ally:	1st 2 2nd 2 2nd 3rd 3rd 4th 5 5th 5 5th 6th 1 6th 1 7th 1 8th 1 10th 1 1 1th 1 1 2th 1 1 2th 1 1 2th 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PLMN: ACT: PLMN ACT: PLMN ACT: PLMN ACT:	:	244 00 UTRA 244 00 UTRA	AN 81 82 AN 82 03 AN 04 AN 05 AN 06 AN 07 AN 08 AN 09 AN	C MNC								
Coding:	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	B13	B14	B15
Hex	42	04	18	80	00	42	04	18	00	80	42	04	28	80	00
	B16	B17	B18	B19	B20	B21	B22	B23	B24	B25	B26	B27	B28	B29	B30
	42	04	28	00	80	42	04	30	80	00	42	04	40	80	00
	B31	B32	B33	B34	B35	B36	B37	B38	B39	B40	B41	B42	B43	B44	B45
	42	04	50	80	00	42	04	60	80	00	42	04	70	80	00
	B46	B47	B48	B49	B50	B51	B52	B53	B54	B55	B56	B57	B58	B59	B60
	42	04	80	80	00	42	04	90	80	00	42	04	01	80	00

## 5.1.3.1 Definition and applicability

The TMSI is temporarily used for identification of the UE by UTRAN. It will have been previously assigned by the network. The TMSI is stored in the USIM by the Terminal and read during the USIM-Terminal initialisation procedure.

NOTE: According to TS 23.003, subclause 2.4, a TMSI always consists of 8 digits (4 bytes). With this tests the handling of a TMSI with <u>leasing leading</u> zeros will be tested. The term "short" TMSI is used in order to distinguish between the tests as defined in subclauses 5.1.3 and 5.1.4.

This test applies to Terminals accessing UTRAN.

## 6.3.1.5 Acceptance criteria

- 1) After step a) the UE is registered and in idle state.
- 32) After steps b) and c) the UE shall prevent call set-up.

- 23) After step d) the UE shall allow call set-up and send the requested number across the air interface.
- 4) After step f) and g) the UE shall allow emergency call by indicating the call setup as "Emergency Call".

## 7.2.3.1 Definition and applicability

The User controlled PLMN selector list gives in priority order the preferred UPLMNs of the User on which the UE shall register. The Radio Access Technology identifier defines the Radio network in which the UE shall register. The list is stored on the USIM in the EF<sub>PLMNwACT</sub>. Update and deletion of User controlled UPLMNs may be performed by the subscriber by the use of the PIN.

This test applies to a GSM/UMTS dual mode UE accessing both UTRAN and GSM using either ID-1 or Plug-in UICC.

## 7.3.2.3 Test purpose

To verify that the <u>User controlled UPLMN</u> with a lower priority (defined by its position in EF<sub>OPLMNWACT</sub>) takes precedence over the OPLMN with a higher priority when the UE performs a network selection.

CHANGE REQUEST											
*	31.121 CR <mark>01</mark>	<mark>7</mark>	<b>-</b> #	Current version:	4.2.0	#					

# #	31.121	CR 017	<b>≭ rev</b>	<b>-</b> # (	Current vers	4.2.0	#
For <u><b>HELP</b></u> on us	sing this fo	rm, see bottom of	this page or	ook at the	pop-up text	over the % sym	nbols.
Proposed change a	affects:	UICC apps <b>೫ <mark>Ⅹ</mark></b>	ME X	Radio Aco	cess Networ	k Core Ne	twork
Title: ♯	TS 31.12	1 Rel-4 Essential	clarifications				
Source: #	TSG T3						
Work item code: ₩	TEI				Date: ♯	06/11/2002	
	F (con A (con B (add C (fur D (ed. Detailed ex	the following categorection) cresponds to a corredition of feature), actional modification itorial modification) planations of the ab 3GPP TR 21.900.	ection in an ear	ier release)	2 R96 R97 R98 R99 Rel-4	Rel-4 the following rele (GSM Phase 2) (Release 1996) (Release 1997) (Release 1998) (Release 1999) (Release 4) (Release 5) (Release 6)	ases:
Reason for change	: X Misl	eading content					
Summary of change	e:    Clar	ification of conten	t				
Consequences if not approved:	₩ Pos	sible misundersta	ndings				
Clauses affected:	<b>ж</b> 4.1.′	1.11, 5.1.3.1, 6.3.	1.5, 7.2.3.1, 7	.3.2.3			
Other specs Affected:	X N N		ons	*			
Other comments:	ж						

## 4.1.1.11 EF<sub>PLMNwACT</sub> (User Controlled PLMN Selector with Access Technology)

Besides of the 8 mandatory EFPLMNwACT <u>entries</u> 4 optional EFPLMNwACT <u>entries</u> are defined according to the TS 31.102 subclause 4.2.5. The Radio Access Technology identifier for the first two PLMN (1<sup>st</sup> PLMN and 2<sup>nd</sup> PLMN) are set to both UTRAN and GSM, all other PLMN to UTRAN only.

Logic	cally:	2 <sup>nd</sup> 2 <sup>nd</sup> 3 <sup>rd</sup> 3 <sup>rd</sup> 4 <sup>th</sup> 5 <sup>th</sup> 5 <sup>th</sup> 5 <sup>th</sup> 10 <sup>th</sup> 10 <sup>th</sup> 11 <sup>th</sup> 12 <sup></sup>	PLMN: ACT: PLMN ACT: PLMN ACT: PLMN ACT:	:	244 0 UTRA 244 0 GSM 244 0 UTRA 244 0 UTTRA 244 0 UTTRA 245 0 UTTRA 246 0 UTTRA 0 UTTRA 0 UTTRA 0 UTTRA 0 UTTRA 0	AN 81 82 AN 82 03 AN 004 AN 005 AN 006 AN 007 AN 008 AN 009 AN	C MNC								
Coding: Hex	B1 42	B2 04	B3 18	B4 80	B5 00	B6 42	B7 04	B8 18	B9 00	B10 80	B11 42	B12 04	B13 28	B14 80	B15 00
TIOA	B16	B17	B18	B19	B20	B21	B22	B23	B24	B25	B26	B27	B28	B29	B30
	42	04	28	00	80	42	04	30	80	00	42	04	40	80	00
	B31 42	B32 04	B33 50	B34 80	B35 00	B36 42	B37 04	B38 60	B39 80	B40 00	B41 42	B42 04	B43 70	B44 80	B45 00
	B46 42	B47 04	B48 80	B49 80	B50 00	B51 42	B52 04	B53 90	B54 80	B55 00	B56 42	B57 04	B58 01	B59 80	B60 00

## 5.1.3.1 Definition and applicability

The TMSI is temporarily used for identification of the UE by UTRAN. It will have been previously assigned by the network. The TMSI is stored in the USIM by the Terminal and read during the USIM-Terminal initialisation procedure.

NOTE: According to TS 23.003, subclause 2.4, a TMSI always consists of 8 digits (4 bytes). With this tests the handling of a TMSI with <u>leasing leading</u> zeros will be tested. The term "short" TMSI is used in order to distinguish between the tests as defined in subclauses 5.1.3 and 5.1.4.

This test applies to Terminals accessing UTRAN.

## 6.3.1.5 Acceptance criteria

- 1) After step a) the UE is registered and in idle state.
- 32) After steps b) and c) the UE shall prevent call set-up.

- 23) After step d) the UE shall allow call set-up and send the requested number across the air interface.
- 4) After steps e) and f) the UE shall allow emergency call by indicating the call setup as "Emergency Call".
- 5) After step f) the UE shall send the emergency service category correctly as "Mountain Rescue".

## 7.2.3.1 Definition and applicability

The User controlled PLMN selector list gives in priority order the preferred UPLMNs of the User on which the UE shall register. The Radio Access Technology identifier defines the Radio network in which the UE shall register. The list is stored on the USIM in the EF<sub>PLMNwACT</sub>. Update and deletion of User controlled UPLMNs may be performed by the subscriber by the use of the PIN.

This test applies to a GSM/UMTS dual mode UE accessing both UTRAN and GSM using either ID-1 or Plug-in UICC.

## 7.3.2.3 Test purpose

To verify that the <u>User controlled UPLMN</u> with a lower priority (defined by its position in  $EF_{\Theta PLMNWACT}$ ) takes precedence over the OPLMN with a higher priority when the UE performs a network selection.

CHANGE REQUEST									
*	31.121 C	R <mark>018</mark>	ж rev	-	ж	Current version:	3.3.0	æ	
- 455									

*	31.121 CR 018	# rev - <sup>#</sup>	Current version: 3.3.0 #
For <u><b>HELP</b></u> on us	sing this form, see bottom of	this page or look at the	pop-up text over the 光 symbols.
Proposed change a	affects: UICC apps策 X	ME X Radio Ac	cess Network Core Network
Title: #	TS 31.121 R99 Correction	of EF OPLMNwACT	
Source: #	TSG T3		
Work item code: ₩	TEI		Date: 第 06/11/2002
Category: 第	Use <u>one</u> of the following category  F (correction)	ories: ection in an earlier release) n of feature)	Release:   ## R99  Use one of the following releases:  2
Reason for change	:   ## Incorrect_file size of E	F OPLMNwACT used	
Summary of chang	re:	WACT corrected	
Consequences if not approved:	₩ Incorrect implementat	ion of test equipment	
Clauses affected:	ж <mark>4.1.1.12, 7.3.1.4.1</mark>		
Other specs affected:	Y N  X N Other core specification N O&M Specification	ons	1.121 Rel 4
Other comments:	<b></b>		

## 4.1.1.12 EF<sub>OPLMNwACT</sub> (Operator Controlled PLMN Selector with Access Technology)

Besides of the mandatory  $EF_{OPLMNwACT}$ , an optional  $EF_{OPLMNwACT}$  is defined according to the TS 31.102 subclause 4.2.53. The Radio Access Technology identifier for the first PLMN is set to both UTRAN and GSM, the other <u>remaining PLMNs</u> to UTRAN only.

Logically:	1 <sup>st</sup> PLMN:	254 001 (MCC MNC)
	1 <sup>st</sup> ACT:	UTRAN
	2 <sup>nd</sup> PLMN:	254 001
	2 <sup>nd</sup> ACT:	GSM
	3 <sup>rd</sup> PLMN:	254 002
	3 <sup>rd</sup> ACT:	UTRAN
	4 <sup>th</sup> PLMN:	254 003
	4 <sup>th</sup> ACT:	UTRAN
	5 <sup>th</sup> PLMN:	254 004
	5 <sup>th</sup> ACT:	UTRAN
	6 <sup>th</sup> PLMN:	254 005
	6 <sup>th</sup> ACT:	UTRAN
	7 <sup>th</sup> PLMN:	254 006
	7 <sup>th</sup> ACT:	UTRAN
	8 <sup>th</sup> PLMN:	254 007
	8 <sup>th</sup> ACT:	UTRAN

Coding:	B <u>0</u> 1	B <u>0</u> 2	B <u>0</u> 3	B <u>0</u> 4	B <u>0</u> 5	B <u>0</u> 6	B <u>0</u> 7	B <u>0</u> 8	B <u>0</u> 9	B10
Hex	52	04	10	80	00	52	04	10	00	80
	<u>B11</u>	<u>B12</u>	<u>B13</u>	<u>B14</u>	<u>B15</u>	<u>B16</u>	<u>B17</u>	<u>B18</u>	<u>B19</u>	<u>B20</u>
	<u>B11</u> <u>52</u>	<u>04</u>	<u>20</u>	<u>80</u>	<u>00</u>	<u>52</u>	<u>04</u>	<u>30</u>	<u>80</u>	<u>00</u>
	<u>B21</u>	B22	B23	<u>B24</u>	<u>B25</u>	<u>B26</u>	<u>B27</u>	<u>B28</u>	<u>B29</u>	<u>B30</u>
	<u>52</u>	<u>04</u>	<u>40</u>	<u>80</u>	<u>00</u>	<u>52</u>	<u>04</u>	<u>50</u>	<u>80</u>	<u>00</u>
	<u>B31</u>	B32	<u>B33</u>	<u>B34</u>	<u>B35</u>	<u>B36</u>	<u>B37</u>	<u>B38</u>	<u>B39</u>	<u>B40</u>
	<u>52</u>	<u>04</u>	<u>60</u>	<u>80</u>	<u>00</u>	<u>52</u>	<u>04</u>	<u>70</u>	<u>80</u>	<u>00</u>

#### 7.3.1.4.1 Initial conditions

For this test a USS is needed.

The USS transmits on two BCCHs, with the following network parameters:

- Attach/detach: disabled.

- LAI (MCC/MNC/LAC): 254/011/0001.

Access control: unrestricted.

- Attach/detach: disabled.

- LAI (MCC/MNC/LAC): 244/012/0001.

- Access control: unrestricted.

The default UICC is used with the following exception:

## EF<sub>OPLMNwACT</sub> (OPLMN Selector)

Logically:	1 <sup>st</sup> PLMN:	254 012 (MCC MNC)
	1 <sup>st</sup> ACT	UTRAN
	2 <sup>nd</sup> PLMN:	254 011
	2 <sup>nd</sup> ACT	UTRAN
	3 <sup>rd</sup> PLMN:	<u>254 002</u>
	3 <sup>rd</sup> ACT:	UTRAN
	4 <sup>th</sup> PLMN:	254 003

		4 <sup>th</sup> ACT 5 <sup>th</sup> PLM 5 <sup>th</sup> ACT 6 <sup>th</sup> PLM 6 <sup>th</sup> ACT 7 <sup>th</sup> PLM 7 <sup>th</sup> ACT 8 <sup>th</sup> PLM 8 <sup>th</sup> ACT	N: 254 : UTF N: 254 : UTF N: 254 : UTF N: 254	004 RAN 005 RAN 006 RAN 007						
Coding: Hex	B <u>0</u> 1 52 <u>B11</u> <u>52</u> <u>B21</u> <u>52</u> <u>B31</u> <u>52</u>	B <u>0</u> 2 04 <u>B12</u> <u>04</u> <u>B22</u> <u>04</u> <u>B32</u> <u>04</u>	B <u>0</u> 3 12 <u>B</u> 13 <u>20</u> <u>B</u> 23 <u>40</u> <u>B</u> 33 <u>60</u>	B <u>0</u> 4 80 <u>B14</u> 80 <u>B24</u> 80 <u>B34</u>	B <u>0</u> 5 00 <u>B15</u> <u>00</u> B <u>25</u> 00 B35 00	B <u>0</u> 6 52 <u>B16</u> <u>52</u> <u>B26</u> <u>52</u> B36 <u>52</u>	B <u>0</u> 7 04 B <u>17</u> 04 B <u>27</u> 04 B <u>37</u>	B <u>0</u> 8 11 <u>B18</u> <u>30</u> <u>B28</u> <u>50</u> <u>B38</u> <u>70</u>	B <u>0</u> 9 <del>00</del> 80 <u>B</u> 19 <u>80</u> <u>B</u> 29 80 <u>B</u> 39 80	B10 8000 B20 00 B30 00 B40 00

The UICC is installed into the Terminal and the UE is set to automatic PLMN selection mode.

CHANGE REQUEST									
*	31.121 CR	019	ж rev	-	¥	Current version:	4.2.0	¥	
- 1151.5									

*	31.121	CR <mark>019</mark>	<b>≋ rev</b>	<b>-</b> #	Current vers	ion: <b>4.2.0</b>	#
For <u><b>HELP</b></u> on us	ing this for	m, see bottom of th	his page or l	ook at th	e pop-up text	over the	nbols.
Proposed change a	<i>ffects:</i> L	JICC apps第 <mark>X</mark>	ME X	Radio A	ccess Networ	k Core Ne	twork
Title: ₩	TS 31.121	Rel4 Correction of	of EF OPLM	NwACT			
Source: 第	TSG T3						
Work item code: 器	TEI				Date: ♯	06/11/2002	
i design in the second	F (corr A (corr B (add C (fund D (edit Detailed exp be found in 3	the following categoriection) responds to a correctition of feature), ctional modification of the about the feature of the size of EF and of EF OPLMNw	tion in an earl of feature) ve categories OPLMNwA	can	2 e) R96 R97 R98 R99 Rel-4 Rel-5	Rel-4 the following rele (GSM Phase 2) (Release 1996) (Release 1997) (Release 1998) (Release 1999) (Release 4) (Release 5) (Release 6)	ases:
Consequences if not approved:		rect implementatio					
Clauses affected:	₩ 4.1.1   Y   N	.12, 7.3.1.4.1					
Other specs affected:	ж <mark>Х N</mark> N N	Other core specification O&M Specification	S	₩ TS:	31.121 Rel 99		
Other comments:	ж						

## 4.1.1.12 EF<sub>OPLMNwACT</sub> (Operator Controlled PLMN Selector with Access Technology)

Besides of the mandatory  $EF_{OPLMNwACT}$ , an optional  $EF_{OPLMNwACT}$  is defined according to the TS 31.102 subclause 4.2.53. The Radio Access Technology identifier for the first PLMN is set to both UTRAN and GSM, the other <u>remaining PLMNs</u> to UTRAN only.

Logically:	1 <sup>st</sup> PLMN:	254 001 (MCC MNC)
ζ ,	1 <sup>st</sup> ACT:	UTRAN
	2 <sup>nd</sup> PLMN:	254 001
	2 <sup>nd</sup> ACT:	GSM
	3 <sup>rd</sup> PLMN:	254 002
	3 <sup>rd</sup> ACT:	UTRAN
	4 <sup>th</sup> PLMN:	254 003
	4 <sup>th</sup> ACT:	<u>UTRAN</u>
	5 <sup>th</sup> PLMN:	254 004
	5 <sup>th</sup> ACT:	UTRAN
	6 <sup>th</sup> PLMN:	254 <u>005</u>
	6 <sup>th</sup> ACT:	<u>UTRAN</u>
	7 <sup>th</sup> PLMN:	254 00 <u>6</u>
	7 <sup>th</sup> ACT:	<u>UTRAN</u>
	8 <sup>th</sup> PLMN:	254 007
	8 <sup>th</sup> ACT:	UTRAN

Coding:	B <u>0</u> 1	B <u>0</u> 2	B <u>0</u> 3	B <u>0</u> 4	B <u>0</u> 5	B <u>0</u> 6	B <u>0</u> 7	B <u>0</u> 8	B <u>0</u> 9	B10
Hex	52	04	10	80	00	52	04	10	00	80
	<u>B11</u>	<u>B12</u>	<u>B13</u>	<u>B14</u>	<u>B15</u>	<u>B16</u>	<u>B17</u>	<u>B18</u>	<u>B19</u>	<u>B20</u>
	<u>B11</u> <u>52</u>	<u>04</u>	<u>20</u>	<u>80</u>	<u>00</u>	<u>52</u>	<u>04</u>	<u>30</u>	<u>80</u>	<u>00</u>
	<u>B21</u>	B22	B23	<u>B24</u>	<u>B25</u>	<u>B26</u>	<u>B27</u>	<u>B28</u>	<u>B29</u>	<u>B30</u>
	<u>52</u>	<u>04</u>	<u>40</u>	<u>80</u>	<u>00</u>	<u>52</u>	<u>04</u>	<u>50</u>	<u>80</u>	<u>00</u>
	<u>B31</u>	B32	<u>B33</u>	<u>B34</u>	<u>B35</u>	<u>B36</u>	<u>B37</u>	<u>B38</u>	<u>B39</u>	<u>B40</u>
	<u>52</u>	<u>04</u>	<u>60</u>	<u>80</u>	<u>00</u>	<u>52</u>	<u>04</u>	<u>70</u>	<u>80</u>	<u>00</u>

#### 7.3.1.4.1 Initial conditions

For this test a USS is needed.

The USS transmits on two BCCHs, with the following network parameters:

- Attach/detach: disabled.

- LAI (MCC/MNC/LAC): 254/011/0001.

- Access control: unrestricted.

- Attach/detach: disabled.

- LAI (MCC/MNC/LAC): 244/012/0001.

- Access control: unrestricted.

The default UICC is used with the following exception:

## EF<sub>OPLMNwACT</sub> (OPLMN Selector)

Logically:	1 <sup>st</sup> PLMN:	254 012 (MCC MNC)
	1 <sup>st</sup> ACT	UTRAN
	2 <sup>nd</sup> PLMN:	254 011
	2 <sup>nd</sup> ACT	UTRAN
	3 <sup>rd</sup> PLMN:	<u>254 002</u>
	3 <sup>rd</sup> ACT:	<u>UTRAN</u>
	4 <sup>th</sup> PLMN:	254 003

		4 <sup>th</sup> ACT 5 <sup>th</sup> PLM 5 <sup>th</sup> ACT 6 <sup>th</sup> PLM 6 <sup>th</sup> ACT 7 <sup>th</sup> PLM 7 <sup>th</sup> ACT 8 <sup>th</sup> PLM 8 <sup>th</sup> ACT	N: 254 : UTF N: 254 : UTF N: 254 : UTF N: 254	004 RAN 005 RAN 006 RAN 007						
Coding: Hex	B <u>0</u> 1 52 <u>B11</u> <u>52</u> <u>B21</u> <u>52</u> <u>B31</u> <u>52</u>	B <u>0</u> 2 04 <u>B12</u> <u>04</u> <u>B22</u> <u>04</u> <u>B32</u> <u>04</u>	B <u>0</u> 3 12 <u>B</u> 13 <u>20</u> <u>B</u> 23 <u>40</u> <u>B</u> 33 <u>60</u>	B <u>0</u> 4 80 <u>B14</u> 80 <u>B24</u> 80 <u>B34</u>	B <u>0</u> 5 00 <u>B15</u> <u>00</u> B <u>25</u> 00 B35 00	B <u>0</u> 6 52 <u>B16</u> <u>52</u> <u>B26</u> <u>52</u> B36 <u>52</u>	B <u>0</u> 7 04 B <u>17</u> 04 B <u>27</u> 04 B <u>37</u>	B <u>0</u> 8 11 <u>B18</u> <u>30</u> <u>B28</u> <u>50</u> <u>B38</u> <u>70</u>	B <u>0</u> 9 <del>00</del> 80 <u>B</u> 19 <u>80</u> <u>B</u> 29 80 <u>B</u> 39 80	B10 8000 B20 00 B30 00 B40 00

The UICC is installed into the Terminal and the UE is set to automatic PLMN selection mode.