

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-Level	Spec	CR	Phase	Subject	Cat	Vers. old	Vers. new	Doc-2nd-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	A	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	A	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	A	4.2.0	4.3.0	T3-020902

CHANGE REQUEST

⌘ **31.121 CR 014** ⌘ rev **-** ⌘ Current version: **3.3.0** ⌘

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 ME Radio Access Network Core Network

Title:	⌘ TS 31.121 R99 Correction of PIN 2 related tests		
Source:	⌘ TSG T3		
Work item code:	⌘ TEI	Date:	⌘ 06/11/2002
Category:	⌘ F	Release:	⌘ R99
	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:	⌘ A level 1 key reference is used for PIN 2 related tests
Summary of change:	⌘ Used key reference is replaced by a level 2 key reference
Consequences if not approved:	⌘ Incorrect PIN 2 tests due to incorrect key reference

Clauses affected:	⌘ 6.1.4.5, 6.1.5.5, 6.1.6.5						
Other specs affected:	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Y</td> <td style="padding: 2px;">N</td> </tr> <tr> <td style="padding: 2px;"><input type="checkbox"/></td> <td style="padding: 2px;"><input checked="" type="checkbox"/></td> </tr> </table>	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other core specifications	⌘
	Y	N					
	<input type="checkbox"/>	<input checked="" type="checkbox"/>					
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Test specifications					
<input type="checkbox"/>	<input checked="" type="checkbox"/>	O&M Specifications					
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 l), the Terminal shall indicate that the PIN2 has been accepted.

CR-Form-v7

CHANGE REQUEST

⌘ **31.121 CR 015** ⌘ rev **-** ⌘ Current version: **4.2.0** ⌘

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:	⌘ TS 31.121 Rel-4 Correction of PIN 2 related tests		
Source:	⌘ TSG T3		
Work item code:	⌘ TEI	Date:	⌘ 06/11/2002
Category:	⌘ A	Release:	⌘ Rel-4
	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:	⌘ A level 1 key reference is used for PIN 2 related tests		
Summary of change:	⌘ Used key reference is replaced by a level 2 key reference		
Consequences if not approved:	⌘ Incorrect PIN 2 related tests due to incorrect key reference		

Clauses affected:	⌘ 6.1.4.5, 6.1.5.5, 6.1.6.5						
Other specs affected:	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Y</td> <td style="padding: 2px;">N</td> </tr> <tr> <td style="padding: 2px;"><input type="checkbox"/></td> <td style="padding: 2px;"><input checked="" type="checkbox"/></td> </tr> </table>	Y	N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other core specifications	⌘
	Y	N					
	<input type="checkbox"/>	<input checked="" type="checkbox"/>					
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Test specifications	⌘				
<input type="checkbox"/>	<input checked="" type="checkbox"/>	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.

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 l), the Terminal shall indicate that the PIN2 has been accepted.

CHANGE REQUEST

⌘ **31.121 CR 016** ⌘ rev **-** ⌘ Current version: **3.3.0** ⌘

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 ME Radio Access Network Core Network

Title:	⌘ TS 31.121 R99 Essential clarifications		
Source:	⌘ TSG T3		
Work item code:	⌘ TEI	Date:	⌘ 06/11/2002
Category:	⌘ F	Release:	⌘ R99
	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:	⌘ Misleading content		
Summary of change:	⌘ Clarification of content		
Consequences if not approved:	⌘ Possible misunderstandings		

Clauses affected:	⌘ 4.1.1.11, 5.1.3.1, 6.3.1.5, 7.2.3.1, 7.3.2.3										
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="text-align: center;"> </td> <td style="text-align: center;">N</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;">N</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;">N</td> </tr> </table>	Y	N		N		N		N	Other core specifications	⌘
Y	N										
	N										
	N										
	N										
		Test specifications									
		O&M Specifications									
Other comments:	⌘										

4.1.1.11 EF_{PLMNwACT} (User Controlled PLMN Selector with Access Technology)

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

Logically:	1 st PLMN:	244 081 (MCC MNC)
	1 st ACT:	UTRAN
	2 nd PLMN:	244 081
	2 nd ACT:	GSM
	3 rd PLMN:	244 082
	3 rd ACT:	UTRAN
	4 th PLMN:	244 082
	4 th ACT:	GSM
	5 th PLMN:	244 003
	5 th ACT:	UTRAN
	6 th PLMN:	244 004
	6 th ACT:	UTRAN
	7 th PLMN:	244 005
	7 th ACT:	UTRAN
	8 th PLMN:	244 006
	8 th ACT:	UTRAN
	9 th PLMN:	244 007
	9 th ACT:	UTRAN
	10 th PLMN:	244 008
	10 th ACT:	UTRAN
	11 th PLMN:	244 009
	11 th ACT:	UTRAN
	12 th PLMN:	244 010
	12 th ACT:	UTRAN

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 ~~leading~~ leading 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.
- 2) 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 Ψ PLMNs 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 $EF_{\text{PLMN}_{\text{wACT}}}$. Update and deletion of User controlled Ψ PLMNs 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 User controlled Ψ PLMN with a lower priority (defined by its position in $EF_{\text{OPLMN}_{\text{wACT}}}$) takes precedence over the OPLMN with a higher priority when the UE performs a network selection.

CHANGE REQUEST

⌘ **31.121 CR 017** ⌘ rev **-** ⌘ Current version: **4.2.0** ⌘

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:	⌘ TS 31.121 Rel-4 Essential clarifications		
Source:	⌘ TSG T3		
Work item code:	⌘ TEI	Date:	⌘ 06/11/2002
Category:	⌘ A	Release:	⌘ Rel-4
	<i>Use one of the following categories:</i> 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.		<i>Use one of the following releases:</i> 2 (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)

Reason for change:	⌘ Misleading content		
Summary of change:	⌘ Clarification of content		
Consequences if not approved:	⌘ Possible misunderstandings		

Clauses affected:	⌘ 4.1.1.11, 5.1.3.1, 6.3.1.5, 7.2.3.1, 7.3.2.3										
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="text-align: center;">⌘</td> <td style="text-align: center;">N</td> </tr> <tr> <td style="text-align: center;">⌘</td> <td style="text-align: center;">N</td> </tr> <tr> <td style="text-align: center;">⌘</td> <td style="text-align: center;">N</td> </tr> </table>	Y	N	⌘	N	⌘	N	⌘	N	Other core specifications Test specifications O&M Specifications	⌘
Y	N										
⌘	N										
⌘	N										
⌘	N										
Other comments:	⌘										

4.1.1.11 EF_{PLMNwACT} (User Controlled PLMN Selector with Access Technology)

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

Logically:	1 st PLMN:	244 081 (MCC MNC)
	1 st ACT:	UTRAN
	2 nd PLMN:	244 081
	2 nd ACT:	GSM
	3 rd PLMN:	244 082
	3 rd ACT:	UTRAN
	4 th PLMN:	244 082
	4 th ACT:	GSM
	5 th PLMN:	244 003
	5 th ACT:	UTRAN
	6 th PLMN:	244 004
	6 th ACT:	UTRAN
	7 th PLMN:	244 005
	7 th ACT:	UTRAN
	8 th PLMN:	244 006
	8 th ACT:	UTRAN
	9 th PLMN:	244 007
	9 th ACT:	UTRAN
	10 th PLMN:	244 008
	10 th ACT:	UTRAN
	11 th PLMN:	244 009
	11 th ACT:	UTRAN
	12 th PLMN:	244 010
	12 th ACT:	UTRAN

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 ~~leading~~ leading 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.
- 2) 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 $EF_{PLMNwACT}$. 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 User controlled UPLMN with a lower priority (defined by its position in $EF_{OPLMNwACT}$) takes precedence over the OPLMN with a higher priority when the UE performs a network selection.

CHANGE REQUEST

⌘ **31.121 CR 018** ⌘ rev **-** ⌘ Current version: **3.3.0** ⌘

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 ME Radio Access Network Core Network

Title:	⌘ TS 31.121 R99 Correction of EF OPLMNwACT		
Source:	⌘ TSG T3		
Work item code:	⌘ TEI	Date:	⌘ 06/11/2002
Category:	⌘ F	Release:	⌘ R99
	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:	⌘ Incorrect_file size of EF OPLMNwACT used		
Summary of change:	⌘ Coding of EF OPLMNwACT corrected		
Consequences if not approved:	⌘ Incorrect implementation of test equipment		

Clauses affected:	⌘ 4.1.1.12, 7.3.1.4.1										
Other specs affected:	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr><td style="padding: 2px;">Y</td><td style="padding: 2px;">N</td></tr> <tr><td style="padding: 2px;">X</td><td style="padding: 2px;">N</td></tr> <tr><td style="padding: 2px;"></td><td style="padding: 2px;">N</td></tr> <tr><td style="padding: 2px;"></td><td style="padding: 2px;">N</td></tr> </table>	Y	N	X	N		N		N	Other core specifications	⌘ TS 31.121 Rel 4
	Y	N									
	X	N									
	N										
	N										
	Test specifications										
	O&M Specifications										
Other comments:	⌘										

4.1.1.12 EF_{OPLMNwACT} (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 remaining PLMN_s to UTRAN only.

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

Coding:	B01	B02	B03	B04	B05	B06	B07	B08	B09	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>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>	<u>B22</u>	<u>B23</u>	<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>	<u>B32</u>	<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_{OPLMNwACT} (OPLMN Selector)

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

4 th ACT:	UTRAN
5 th PLMN:	254 004
5 th ACT:	UTRAN
6 th PLMN:	254 005
6 th ACT:	UTRAN
7 th PLMN:	254 006
7 th ACT:	UTRAN
8 th PLMN:	254 007
8 th ACT:	UTRAN

Coding:	<u>B01</u>	<u>B02</u>	<u>B03</u>	<u>B04</u>	<u>B05</u>	<u>B06</u>	<u>B07</u>	<u>B08</u>	<u>B09</u>	<u>B10</u>
Hex	52	04	12	80	00	52	04	11	00 80	80 00
	<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>
	52	04	20	80	00	52	04	30	80	00
	<u>B21</u>	<u>B22</u>	<u>B23</u>	<u>B24</u>	<u>B25</u>	<u>B26</u>	<u>B27</u>	<u>B28</u>	<u>B29</u>	<u>B30</u>
	52	04	40	80	00	52	04	50	80	00
	<u>B31</u>	<u>B32</u>	<u>B33</u>	<u>B34</u>	<u>B35</u>	<u>B36</u>	<u>B37</u>	<u>B38</u>	<u>B39</u>	<u>B40</u>
	52	04	60	80	00	52	04	70	80	00

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

CR-Form-v7

CHANGE REQUEST

⌘ **31.121 CR 019** ⌘ rev **-** ⌘ Current version: **4.2.0** ⌘

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:	⌘ TS 31.121 Rel4 Correction of EF OPLMNwACT		
Source:	⌘ TSG T3		
Work item code:	⌘ TEI	Date:	⌘ 06/11/2002
Category:	⌘ A	Release:	⌘ Rel-4
	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:	⌘ Incorrect file size of EF OPLMNwACT used
Summary of change:	⌘ Coding of EF OPLMNwACT corrected
Consequences if not approved:	⌘ Incorrect implementation of test equipment

Clauses affected:	⌘ 4.1.1.12, 7.3.1.4.1									
Other specs affected:	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr><td style="padding: 2px;">Y</td><td style="padding: 2px;">N</td></tr> <tr><td style="padding: 2px;">X</td><td style="padding: 2px;">N</td></tr> <tr><td style="padding: 2px;"></td><td style="padding: 2px;">N</td></tr> <tr><td style="padding: 2px;"></td><td style="padding: 2px;">N</td></tr> </table>	Y	N	X	N		N		N	Other core specifications
	Y	N								
	X	N								
	N									
	N									
	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr><td style="padding: 2px;"></td><td style="padding: 2px;">N</td></tr> <tr><td style="padding: 2px;"></td><td style="padding: 2px;">N</td></tr> </table>		N		N	Test specifications				
	N									
	N									
	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr><td style="padding: 2px;"></td><td style="padding: 2px;">N</td></tr> </table>		N	O&M Specifications						
	N									
Other comments:	⌘ TS 31.121 Rel 99									

4.1.1.12 EF_{OPLMNwACT} (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 remaining PLMN_s to UTRAN only.

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

Coding:	<u>B01</u>	<u>B02</u>	<u>B03</u>	<u>B04</u>	<u>B05</u>	<u>B06</u>	<u>B07</u>	<u>B08</u>	<u>B09</u>	<u>B10</u>
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>
	52	04	20	80	00	52	04	30	80	00
	<u>B21</u>	<u>B22</u>	<u>B23</u>	<u>B24</u>	<u>B25</u>	<u>B26</u>	<u>B27</u>	<u>B28</u>	<u>B29</u>	<u>B30</u>
	52	04	40	80	00	52	04	50	80	00
	<u>B31</u>	<u>B32</u>	<u>B33</u>	<u>B34</u>	<u>B35</u>	<u>B36</u>	<u>B37</u>	<u>B38</u>	<u>B39</u>	<u>B40</u>
	52	04	60	80	00	52	04	70	80	00

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_{OPLMNwACT} (OPLMN Selector)

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

4 th ACT:	UTRAN
5 th PLMN:	254 004
5 th ACT:	UTRAN
6 th PLMN:	254 005
6 th ACT:	UTRAN
7 th PLMN:	254 006
7 th ACT:	UTRAN
8 th PLMN:	254 007
8 th ACT:	UTRAN

Coding:	<u>B01</u>	<u>B02</u>	<u>B03</u>	<u>B04</u>	<u>B05</u>	<u>B06</u>	<u>B07</u>	<u>B08</u>	<u>B09</u>	<u>B10</u>
Hex	52	04	12	80	00	52	04	11	00 80	80 00
	<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>
	52	04	20	80	00	52	04	30	80	00
	<u>B21</u>	<u>B22</u>	<u>B23</u>	<u>B24</u>	<u>B25</u>	<u>B26</u>	<u>B27</u>	<u>B28</u>	<u>B29</u>	<u>B30</u>
	52	04	40	80	00	52	04	50	80	00
	<u>B31</u>	<u>B32</u>	<u>B33</u>	<u>B34</u>	<u>B35</u>	<u>B36</u>	<u>B37</u>	<u>B38</u>	<u>B39</u>	<u>B40</u>
	52	04	60	80	00	52	04	70	80	00

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