3GPP TSG-T (Terminals) Meeting #25
Palm Springs, CA, USA
8 - 10 September 2004

TP-040189

Agenda Item: 5.3.3
Source: T3
Title: CRs to TS 11.14/51.014
Document for: approval

This document contains the following change requests that are approved by 3GPP TSG T3 and forwarded to 3GPP TSG T#25 for approval:

Doc-2nd-Level	Spec	CR	Rev	Phase	Subject	Cat	Version-Current	Version-New	Workitem
T3-040547	11.14	A220	-	R99	Correction of possible terminal response versus proactive commands in relation to the display of icons	F	8.16.0	8.17.0	TEI
T3-040553	11.14	A221	-	R99	Essential corrections in content and coding of BC Repeat indicator	F	8.16.0	8.17.0	TEI
T3-040549	51.014	005	-	Rel-4	Correction of possible terminal responses versus proactive commands in relation to the display of icons	A	4.3.0	4.4.0	TEI
T3-040554	51.014	006	-	Rel-4	Essential corrections in content and coding of BC Repeat indicator	A	4.3.0	4.4.0	TEI

3GPP TSG-T3 Meeting #32
New York, USA, 10th – 13th April 2004

Tdoc ⌘T3-040547
(revised T3-040419)

CR-Form-v7

CHANGE REQUEST

⌘ **11.14** **CR** **A220** ⌘**rev** **-** ⌘ Current version: **8.16.0** ⌘

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

Title:	⌘	CR 11.14 R99: Correction of possible terminal response versus proactive commands in relation to the display of icons
Source:	⌘	T3
Work item code:	⌘	TEI
Date:	⌘	11/08/2004
Category:	⌘	**F**
Release:	⌘	R99

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:

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:	⌘	3GPP TS 11.14, cl. 6.5.4 defines “If the SIM provides an icon identifier with a proactive command, then the ME shall inform the SIM if the icon could not be displayed by sending the general result "Command performed successfully, but requested icon could not be displayed". In contradiction cl. 6.11 (Proactive commands versus possible Terminal response) does not allow this return value for the proactive commands RUN AT COMMAND, LAUNCH BROWSER and SET UP IDLE MODE TEXT. 3GPP TS 11.14, cl. 6.6.31 does not define icon support for GET CHANNEL STATUS while cl. 6.11 allows the usage of “Command performed successfully, but requested icon could not be displayed" in combination with GET CHANNEL STATUS.
Summary of change:	⌘	Cl. 6.11 (Proactive commands versus possible Terminal response) adjusted to allow the return value “Command performed successfully, but requested icon could not be displayed" in combination with the proactive commands RUN AT COMMAND, LAUNCH BROWSER and SET UP IDLE MODE TEXT and to prevent the usage of “Command performed successfully, but requested icon could not be displayed" in combination with GET CHANNEL STATUS.
Consequences if not approved:	⌘	Inconsistency between the cl. 6.5.4 and 6.11 in relation with the proactive commands RUN AT COMMAND, LAUNCH BROWSER and SET UP IDLE MODE TEXT. Besides of this MEs can’t use the same handling as for other proactive commands in case of problems to display icons. Furthermore it is not clear which return value shall be used in the terminal response if an icon can’t be displayed. In case of the usage of an other error code it is unclear, how a SAT application has to handle this return code, because the result might be treated as

	worse than “requested icon could not be displayed” and the SAT application might therefore abort the execution of the proactive seesion in the worst case.

Clauses affected:	⌘	6.11			
Other specs affected:	⌘	**Y** / **N** **N** / **X** **X** / **N** **N** / **X**	Other core specifications Test specifications O&M Specifications	⌘	3GPP TS11.10-4, R99
Other comments:	⌘				

6.11 Proactive commands versus possible Terminal response

The following table shows for each proactive command the possible terminal response returned (marked by a "●" character).

Terminal response		Proactive Command																			
		RE-FRESH '01'	MORE TIME '02'	POLL INTER-VAL '03'	POLLING OFF '04'	SETUP EVENT LIST '05'	SET UP CALL '10'	SEND SS '11'	SEND USSD '12'	SEND SMS '13'	SEND DTMF '14'	LAUNCH BROWSER '15'	PLAY TONE '20'	DISPLAY TEXT '21'	GET INKEY '22'	GET INPUT '23'	SELECT ITEM '24'	SET UP MENU '25'	PRO-VIDE LOCAL INFO '26'	TIMER MAN-AGE-MENT '27'	SETUP IDLE MODE TEXT '28'
'00'	Command performed successfully	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
'01'	Command performed with partial comprehension	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
'02'	Command performed, with missing info	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
'03'	REFRESH performed with additional EFs read	●																			
'04'	Command performed succesfully, but requested icon could not be displayed						●	●	●	●	●	●	●	●	●	●	●	●			●
'05'	Command performed, but modified by call control by SIM.						●	●	●												
'06'	Command performed successfully, limited service																	●			
'07'	Command performed with modification																				
'10'	Proactive SIM session terminated by user						●				●		●	●	●	●	●				
'11'	Backward move in the proactive SIM session requested by the user													●	●	●	●				
'12'	No response from user													●	●	●	●				
'13'	Help information required by the user														●	●	●				
'14'	USSD/SS Transact terminated by user						●	●	●												
'20'	ME currently unable to process command	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
'21'	Network currently unable to process command						●	●	●	●		●									
'22'	User did not accept the proactive command						●					●									
'23'	User cleared down call before connection or network release						●														
'24'	Action in contradiction with the current timer state																			●	
'25'	Interaction with call control by SIM, temporary problem						●	●	●												
'26'	Launch Browser generic error											●									
'30'	Command beyond MEs capabilities	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
'31'	Command type not understood by ME	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
'32'	Command data not understood by ME	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
'33'	Command number not known by ME	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
'34'	SS Return Error						●	●													
'35'	SMS RPERROR									●											
'36'	Error, required values are missing	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●
'37'	USSD return error								●												
'38'	Multiple Card command error																				
'39'	Interaction with call control by SIM or MO SM control by SIM, permanent problem.						●	●	●	●											
'3A'	Bearer Independent Protocol error																				

Continued.....

Terminal response		Proactive Command										
		CARD APDU '30'	POWER ON CARD '31'	POWER OFF CARD '32'	GET READ-ER STATUS '33'	RUN AT COMM-AND '34'	LANG NOTIFI CA TION '35'	OPEN CHANNEL '40'	CLOSE CHANNEL '41'	RECEIVE DATA '42'	SEND DATA '43'	GET CHANNEL STATUS '44'
'00'	Command performed successfully	●	●	●	●	●	●	●	●	●	●	●
'01'	Command performed with partial comprehension	●	●	●	●	●	●	●	●	●	●	●
'02'	Command performed, with missing info	●	●	●	●	●	●	●	●	●	●	●
'03'	REFRESH performed with additional EFs read											
'04'	Command performed succesfully, but requested icon could not be displayed					●		●	●	●	●	●
'05'	Command performed, but modified by call control by SIM.											
'06'	Command performed successfully, limited service											
'07'	Command performed with modification							●				
'10'	Proactive SIM session terminated by user							●	●	●	●	●
'11'	Backward move in the proactive SIM session requested by the user											
'12'	No response from user											
'13'	Help information required by the user											
'14'	USSD/SS Transact terminated by user											
'20'	ME currently unable to process command	●	●	●	●	●	●	●	●	●	●	●
'21'	Network currently unable to process command							●			●	
'22'	User did not accept the proactive command							●				
'23'	User cleared down call before connection or network release											
'24'	Action in contradiction with the current timer state											
'25'	Interaction with call control by SIM, temporary problem							●				
'26'	Launch Browser generic error											
'30'	Command beyond MEs capabilities	●	●	●	●	●	●	●	●	●	●	●
'31'	Command type not understood by ME	●	●	●	●	●	●	●	●	●	●	●
'32'	Command data not understood by ME	●	●	●	●	●	●	●	●	●	●	●
'33'	Command number not known by ME	●	●	●	●	●	●	●	●	●	●	●
'34'	SS Return Error											
'35'	SMS RPERROR											
'36'	Error, required values are missing	●	●	●	●	●	●	●	●	●	●	●
'37'	USSD return error											
'38'	Multiple Card command error	●	●	●	●							
'39'	Interaction with call control by SIM or MO SM control by SIM, permanent problem											
'3A'	Bearer Independent Protocol error							●	●	●	●	

3GPP TSG-T3 Meeting #32
New York, USA, 10th – 13th April 2004

Tdoc ⌘T3-040549
(revised T3-040453)

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CHANGE REQUEST

⌘ **51.014** **CR** **005** ⌘ **rev** **-** ⌘ Current version: **4.3.0** ⌘

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

Title:	⌘	CR 51.014 Rel-4: Correction of possible terminal responses versus proactive commands in relation to the display of icons
Source:	⌘	T3
Work item code:	⌘	TEI
Date:	⌘	11/08/2004
Category:	⌘	**A**
Release:	⌘	Rel-4

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:
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:	⌘	TS 102 223, cl. 6.5.4 defines “If the UICC provides an icon identifier with a proactive command, then the ME shall inform the SIM if the icon could not be displayed by sending the general result "Command performed successfully, but requested icon could not be displayed". In contradiction 3GPP TS 51.014, cl. 6.11 (Proactive commands versus possible Terminal response) does not allow this return value for the proactive commands RUN AT COMMAND, LAUNCH BROWSER and SET UP IDLE MODE TEXT. TS 102 223, cl. 6.6.31 does not define icon support for GET CHANNEL STATUS while TS 51.014, cl. 6.11 allows the usage of “Command performed successfully, but requested icon could not be displayed" in combination with GET CHANNEL STATUS.
Summary of change:	⌘	Cl. 6.11 (Proactive commands versus possible Terminal response) adjusted to allow the return value “Command performed successfully, but requested icon could not be displayed" in combination with the proactive commands RUN AT COMMAND, LAUNCH BROWSER and SET UP IDLE MODE TEXT and to prevent the usage of “Command performed successfully, but requested icon could not be displayed" in combination with GET CHANNEL STATUS.
Consequences if not approved:	⌘	Inconsistency between TS 102 223 cl. 6.5.4 and TS 51.014, cl.6.11 in relation with the proactive commands RUN AT COMMAND, LAUNCH BROWSER and SET UP IDLE MODE TEXT. Besides of this MEs can’t use the same handling as for other proactive commands in case of problems to display icons. Furthermore it is not clear which return value shall be used in the terminal response if an icon can’t be displayed. In case of the usage of an other error code it is unclear, how

	a SAT application has to handle this return code, because the result might be treated as worse than “requested icon could not be displayed” and the SAT application might therefore abort the execution of the proactive seesion in the worst case.

Clauses affected:	⌘	6.11			
		Y	**N**		
Other specs affected:	⌘		**X**	Other core specifications	⌘
			X	Test specifications	
			X	O&M Specifications	
Other comments:	⌘				

6.11 Proactive commands versus possible Terminal response

The following table shows for each proactive command the possible terminal response returned (marked by a "●" character).

		Proactive Command																			
	Terminal response	RE-FRESH '01'	MORE TIME '02'	POLL INTER-VAL '03'	POLLING OFF '04'	SETUP EVENT LIST '05'	SET UP CALL '10'	SEND SS '11'	SEND USSD '12'	SEND SMS '13'	SEND DTMF '14'	LAUNCH BROWSER '15'	PLAY TONE '20'	DISPLAY TEXT '21'	GET INKEY '22'	GET INPUT '23'	SELECT ITEM '24'	SET UP MENU '25'	PRO-VIDE LOCAL INFO '26'	TIMER MAN-AGE-MENT '27'	SETUP IDLE MODE TEXT '28'
'00'	Command performed successfully	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
'01'	Command performed with partial comprehension	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
'02'	Command performed, with missing info	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
'03'	REFRESH performed with additional EFs read	●																			
'04'	Command performed succesfully, but requested icon could not be displayed						●	●	●	●	●	●	●	●	●	●	●	●			●
'05'	Command performed, but modified by call control by SIM.						●	●	●												
'06'	Command performed successfully, limited service																	●			
'07'	Command performed with modification																				
'10'	Proactive SIM session terminated by user						●				●		●	●	●	●	●				
'11'	Backward move in the proactive SIM session requested by the user													●	●	●	●				
'12'	No response from user													●	●	●	●				
'13'	Help information required by the user														●	●	●				
'14'	USSD/SS Transact terminated by user						●	●	●												
'20'	ME currently unable to process command	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
'21'	Network currently unable to process command						●	●	●	●		●									
'22'	User did not accept the proactive command						●					●									
'23'	User cleared down call before connection or network release						●														
'24'	Action in contradiction with the current timer state																			●	
'25'	Interaction with call control by SIM, temporary problem						●	●	●												
'26'	Launch Browser generic error											●									
'30'	Command beyond MEs capabilities	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
'31'	Command type not understood by ME	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
'32'	Command data not understood by ME	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
'33'	Command number not known by ME	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
'34'	SS Return Error						●	●													
'35'	SMS RPERROR									●											
'36'	Error, required values are missing	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●
'37'	USSD return error								●												
'38'	Multiple Card command error																				
'39'	Interaction with call control by SIM or MO SM control by SIM, permanent problem.						●	●	●	●											
'3A'	Bearer Independent Protocol error																				

Continued.....

		Proactive Command										
		CARD APDU	POWER ON CARD	POWER OFF CARD	GET READ-ER STATUS	RUN AT COMM-AND	LANG NOTIFI CA TION	OPEN CHANNEL	CLOSE CHANNEL	RECEIVE DATA	SEND DATA	GET CHANNEL STATUS
Terminal response		'30'	'31'	'32'	'33'	'34'	'35'	'40'	'41'	'42'	'43'	'44'
'00'	Command performed successfully	●	●	●	●	●	●	●	●	●	●	●
'01'	Command performed with partial comprehension	●	●	●	●	●	●	●	●	●	●	●
'02'	Command performed, with missing info	●	●	●	●	●	●	●	●	●	●	●
'03'	REFRESH performed with additional EFs read											
'04'	Command performed succesfully, but requested icon could not be displayed					●		●	●	●	●	●
'05'	Command performed, but modified by call control by SIM.											
'06'	Command performed successfully, limited service											
'07'	Command performed with modification							●				
'10'	Proactive SIM session terminated by user							●	●	●	●	●
'11'	Backward move in the proactive SIM session requested by the user											
'12'	No response from user											
'13'	Help information required by the user											
'14'	USSD/SS Transact terminated by user											
'20'	ME currently unable to process command	●	●	●	●	●	●	●	●	●	●	●
'21'	Network currently unable to process command							●			●	
'22'	User did not accept the proactive command							●				
'23'	User cleared down call before connection or network release											
'24'	Action in contradiction with the current timer state											
'25'	Interaction with call control by SIM, temporary problem							●				
'26'	Launch Browser generic error											
'30'	Command beyond MEs capabilities	●	●	●	●	●	●	●	●	●	●	●
'31'	Command type not understood by ME	●	●	●	●	●	●	●	●	●	●	●
'32'	Command data not understood by ME	●	●	●	●	●	●	●	●	●	●	●
'33'	Command number not known by ME	●	●	●	●	●	●	●	●	●	●	●
'34'	SS Return Error											
'35'	SMS RPERROR											
'36'	Error, required values are missing	●	●	●	●	●	●	●	●	●	●	●
'37'	USSD return error											
'38'	Multiple Card command error	●	●	●	●							
'39'	Interaction with call control by SIM or MO SM control by SIM, permanent problem											
'3A'	Bearer Independent Protocol error							●	●	●	●	

3GPP TSG T WG3 Meeting #32
New York, USA, 10th – 13th August 2004

T3-040553
(revised from T3-040499)

CR-Form-v7

CHANGE REQUEST

⌘ **11.14** **CR** **A221** ⌘ **rev** **-** ⌘ Current version: **8.16.0** ⌘

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

Title:	⌘	Essential corrections in content and coding of BC Repeat indicator
Source:	⌘	T3
Work item code:	⌘	TEI
Date:	⌘	12/08/2004
Category:	⌘	**F**
Release:	⌘	R99

Use one of the following categories:
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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:

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:	⌘	(1) The coding of sequential mode in BC repeat indicator was used in R98 and older releases. It was removed from TS 24.008 in R99. (2) A new mode was added in TS 24.008 R99.
Summary of change:	⌘	Deleted the description of modes and the corresponding codings in this specification
Consequences if not approved:	⌘	Inconsistence of TS 11.14 and TS 24.008 R99 (TS 04.08) and therefore a high risk of misinterpretation of the specification: - sequential mode was removed in TS 24.008 R99 (TS 04.08) but is mentioned in TS 11.14. - fallback mode (coded as '02') was added in TS 24.008 R99 (TS 04.08) but is not mentioned in TS 11.14
Clauses affected:	⌘	9.1.6; 12.42.

	Y	N			
Other specs Affected: ⌘	X		Other core specifications	⌘	TS 31.111; TS 51.014
		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.

9.1.6 Structure of ENVELOPE (CALL CONTROL)

Direction: ME to SIM

The command header is specified in TS 11.11 [20].

[…]

Response parameters/data:

It is permissible for the SIM to provide no response data, by responding with SW1 / SW2 = '90 00'. If the SIM does not provide any response data, then this shall have the same meaning as "allowed, no modification".

Description	Section	M/O	Min	Length
Call control result	-	M	Y	1
Length (A+B+C+D+E+F)	-	M	Y	1 or 2
Address or SS string or USSD string	12.1, 12.14 or 12.17	O	N	A
Capability configuration parameters 1	12.4	O	N	B
Subaddress	12.3	O	N	C
Alpha identifier	12.2	O	N	D
BC repeat indicator	12.42	M/O	N	E
Capability configuration parameters 2	12.4	O	N	F

- Call control result:

Contents: the command that the SIM gives to the ME concerning whether to allow, bar or modify the proposed call (or supplementary service operation).

Coding:

'00' = Allowed, no modification
'01' = Not allowed
'02' = Allowed with modifications

- Address or SS string or USSD string : Only one data object may be included if the SIM requests the call (or supplementary service or USSD operation) details to be modified.

  The SIM should take into account that early implementations of SIM Application Toolkit in some MEs are unable to support coding of USSD control strings in the USSD string data object and the SIM should instead use the SS string data object. The SIM can identify MEs having this early implementation by evaluating the indication "USSD string data object supported in Call Control" in the TERMINAL PROFILE.

  For a call set-up, if the address data object is not present, then the ME shall assume the Dialling number is not to be modified.

  For a supplementary service, if the SS string data object is not present, then the ME shall assume that SS is not to be modified.

  For a USSD operation, if the USSD string data object is not present, then the ME shall assume that the USSD operation is not to be modified.

- Capability configuration parameters: Only used for a call set-up, this data object is only required if the SIM requests the call details to be modified. The first capability configuration parameters corresponds to the bearer capability 1 information element of a mobile originating SETUP message, as defined in TS 04.08 [8]. The second capability configuration parameters corresponds to the bearer capability 2 information element of a mobile originating SETUP message, as defined in TS 04.08 [8]. If the capability configuration parameters are not present, then the ME shall assume the parameters are not to be modified.

- Subaddress: Only used for a call set-up, this data object is only required if the SIM requests the call details to be modified. If the subaddress is not present, then the ME shall assume the called party subaddress is not to be modified. If the subaddress supplied by the SIM is a null data object, then the ME shall not provide a called party subaddress to the network. A null data object shall have length = '00' and no value part.

- Alpha identifier: this data object is only required if the SIM requests a particular indication to be given to the user. The handling of this data object by the ME is described in section 9.1.3. The comprehension required flag of this data object shall be set to '0'.

- BC repeat indicator: indicates how the ~~2~~ associated bearers shall be interpreted. ~~The two modes to manage the bearers are the "alternate way" or "sequential way".~~ The change of bearer occurs on a network event. This BC repeat indicator is conditioned to the presence of the second capability configuration parameters and is coded as defined in TS 04.08 [8].

It is mandatory for the SIM to provide at least one of the optional data objects if it has set the Call control result to "allowed with modifications".

[…]

12 SIMPLE-TLV data objects

[…]

12.42 BC Repeat indicator

Byte(s)	Description	Length
1	BC repeat indicator tag	1
2	Length	1
3	BC repeat indicator values	1

Contents & coding: The BC repeat indicator is structured exactly as defined in TS 04.08 [08]~~, which may be alternate mode or sequential mode~~.

~~Coding : '01' = Alternate mode;~~
~~'03' = Sequential mode~~

3GPP TSG T WG3 Meeting #32
New York, USA, 10th – 13th August 2004

T3-040554
(revised from T3-040500)

CR-Form-v7.1

CHANGE REQUEST

⌘ **51.014** **CR** **006** ⌘ **rev** **-** ⌘ Current version: **4.3.0** ⌘

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

Title:	⌘	Essential corrections in content and coding of BC Repeat indicator
Source:	⌘	T3
Work item code:	⌘	TEI
Date:	⌘	12/08/2004
Category:	⌘	**A**
Release:	⌘	Rel-4

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:	⌘	(1) The coding of sequential mode in BC repeat indicator was used in R98 and older releases. It was removed from TS 24.008 in R99. (2) A new mode was added in TS 24.008 R99
Summary of change:	⌘	Deleted the description of modes and the corresponding codings in this specification
Consequences if not approved:	⌘	Inconsistence of TS 51.014 and TS 24.008 (TS 04.08) and therefore a high risk of misinterpretation of the specification: - sequential mode was removed in TS 24.008 (TS 04.08) but is mentioned in TS 51.014 - fallback mode (coded as '02') was added in TS 24.008 but is not mentioned in TS 51.014
Clauses affected:	⌘	9.1.6; 12.42.

Other specs affected: ⌘	Y	N		⌘
		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.

9.1.6 Structure of ENVELOPE (CALL CONTROL)

Direction: ME to SIM

The command header is specified in TS 51.011 [20].

[…]

Response parameters/data:

It is permissible for the SIM to provide no response data, by responding with SW1 / SW2 = '90 00'. If the SIM does not provide any response data, then this shall have the same meaning as "allowed, no modification".

Description	Section	M/O	Min	Length
Call control result	-	M	Y	1
Length (A+B+C+D+E+F)	-	M	Y	1 or 2
Address or SS string or USSD string	12.1, 12.14 or 12.17	O	N	A
Capability configuration parameters 1	12.4	O	N	B
Subaddress	12.3	O	N	C
Alpha identifier	12.2	O	N	D
BC repeat indicator	12.42	M/O	N	E
Capability configuration parameters 2	12.4	O	N	F

- Call control result:

Contents: the command that the SIM gives to the ME concerning whether to allow, bar or modify the proposed call (or supplementary service operation).

Coding:

'00' = Allowed, no modification
'01' = Not allowed
'02' = Allowed with modifications

- Address or SS string or USSD string : Only one data object may be included if the SIM requests the call (or supplementary service or USSD operation) details to be modified.

  The SIM should take into account that early implementations of SIM Application Toolkit in some MEs are unable to support coding of USSD control strings in the USSD string data object and the SIM should instead use the SS string data object. The SIM can identify MEs having this early implementation by evaluating the indication "USSD string data object supported in Call Control" in the TERMINAL PROFILE.

  For a call set-up, if the address data object is not present, then the ME shall assume the Dialling number is not to be modified.

  For a supplementary service, if the SS string data object is not present, then the ME shall assume that SS is not to be modified.

  For a USSD operation, if the USSD string data object is not present, then the ME shall assume that the USSD operation is not to be modified.

- Capability configuration parameters: Only used for a call set-up, this data object is only required if the SIM requests the call details to be modified. The first capability configuration parameters corresponds to the bearer capability 1 information element of a mobile originating SETUP message, as defined in TS 04.08 [8]. The second capability configuration parameters corresponds to the bearer capability 2 information element of a mobile originating SETUP message, as defined in TS 04.08 [8]. If the capability configuration parameters are not present, then the ME shall assume the parameters are not to be modified.

- Subaddress: Only used for a call set-up, this data object is only required if the SIM requests the call details to be modified. If the subaddress is not present, then the ME shall assume the called party subaddress is not to be modified. If the subaddress supplied by the SIM is a null data object, then the ME shall not provide a called party subaddress to the network. A null data object shall have length = '00' and no value part.

- Alpha identifier: this data object is only required if the SIM requests a particular indication to be given to the user. The handling of this data object by the ME is described in section 9.1.3. The comprehension required flag of this data object shall be set to '0'.

- BC repeat indicator: indicates how the ~~2~~ associated bearers shall be interpreted. ~~The two modes to manage the bearers are the "alternate way" or "sequential way".~~ The change of bearer occurs on a network event. This BC repeat indicator is conditioned to the presence of the second capability configuration parameters and is coded as defined in TS 2~~0~~4.0~~0~~8 [10~~8~~].

It is mandatory for the SIM to provide at least one of the optional data objects if it has set the Call control result to "allowed with modifications".

[…]

12 SIMPLE-TLV data objects

The coding of the TLV objects is as described in TS 102 223 [37], except when stated otherwise in the present document.

[…]

12.42 BC Repeat indicator

Byte(s)	Description	Length
1	BC repeat indicator tag	1
2	Length	1
3	BC repeat indicator values	1

Contents & coding: The BC repeat indicator is structured exactly as defined in TS 2~~0~~4.0~~0~~8 [10~~8~~]~~, which may be alternate mode or sequential mode~~.

~~Coding : '01' = Alternate mode;~~
~~'03' = Sequential mode~~