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

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	А	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)

	С	HANGE	REQ	UEST	7	,	CR-Form-v7
*	11.14 CR	A220	≋rev	- #	Current version:	8.16.0	\varkappa

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Proposed chang					_		ss Netwo		ore Network
Title:		11.14 R99: Corelation to the co			erminal	respo	nse versu	s proacti	ve commands
Source:	光 T3								
Work item code:	₩ TE	ļ					Date: ₩	11/08/2	2004
Category:	Deta	one of the follow F (correction) A (corresponds B (addition of form C (functional modulied explanation bund in 3GPP Tr	s to a correction at the seature), redification of dification) as of the above	on in an ear feature)		Ü	######################################		1996) 1997) 1998) 1999) 4) 5)
Reason for chan	ge: Ж	proactive co	mmand, ther sending the	the ME s general re	hall inf esult "(form the	e SIM if the same of the same	ne icon comed suc	ould not be cessfully, but

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:

CI. 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 # I 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.

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).

										Pr	oactive	Commar	nd									
		RE- FRESH	MORE TIME	POLL INTER- VAL	POLLING OFF	SETUP EVENT LIST	SET UP CALL		SEND USSD	SEND SMS	SEND DTMF	LAUNCH BROWSER	PLAY TONE	DISPLAY TEXT	GET INKEY	GET INPUT	SELECT ITEM	SET UP MENU	PRO- VIDE LOCAL INFO	TIMER MAN- AGE- MENT	SETUP IDLE MODE TEXT	
	Terminal response	'01'	'02'	'03'	'04'	'05'	'10'	'11'	'12'	'13'	'14'	'15'	'20'	'21'	'22'	'23'	'24'	'25'	'26'	'27'	'28'	<u> </u>
	Command performed successfully	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	ļ
	Command performed with partial comprehension	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
	Command performed, with missing info	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
'03'	REFRESH performed with additional EFs read	•																				
'04'	Command performed succesfully, but requested icon could not be displayed						•	•	•	•	•	•	•	•	•	•	•	•			•	
	Command performed, but modified by call control by SIM.						•	•	•													
	Command performed successfully, limited service																	•				
	Command performed with modification																					
	Proactive SIM session terminated by user						•				•		•	•	•	•	•					
	Backward move in the proactive SIM session requested by the user													•	•	•	•					
	No response from user													•	•	•	•					:
	Help information required by the user														•	•	•					<u> </u>
'14'	USSD/SS Transact terminated by user						•	•	•													<u>e</u>
'20'	ME currently unable to process command	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	2.
'21'	Network currently unable to process command						•	•	•	•		•										Continued
'22'	User did not accept the proactive command						•					•										
'23'	User cleared down call before connection or network release						•															
	Action in contradiction with the current timer state																			•		
	temporary problem						•	•	•													
	Launch Browser generic error											•										
'30'	Command beyond MEs capabilities	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
'31'	Command type not understood by ME	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
	,	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
'33'	Command number not known by ME	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
'34'							•	•														
'35'	SMS RPERROR					•			_	•									-	•		
'36'	Error, required values are missing	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•	
'37'	USSD return error								•													
	Multiple Card command error																					
'39'	Interaction with call control by SIM or MO SM control by SIM, permanent problem.						•	•	•	•												
'3A'																						

			Proactive Command											
1001 Command performed with partial comprehension				ON	OFF	READ- ER	COMM-	NOTIFI					GET CHANNEL STATUS	
Command performed with partial comprehension 02 Command performed, with missing info 03 REFRESH performed with additional EFs read 04 Command performed succesfully, but required ion out to 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 required 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 37 Command beyond MEs capabilities 38 Command data not understood by ME 39 Command data not understood by ME 30 Command dumber not known by ME 31 SMS REPEROR 38 Milltiple Card command error		Terminal response	'30'	'31'	'32'	'33'	'34'	'35'	'40'	'41'	'42'	'43'	'44'	
comprehension O2° Command performed, with missing info O3° REFRESH performed with additional EFS read O4° Command performed succesfully, but requested icon could not be displayed O5° Command performed but modified by call control by SIM. O6° Command performed successfully, limited service O7° Command performed with modification O7° Proactive SIM session terminated by user O8° Proactive SIM session terminated by user O8° Service O8° S			•	•	•	•	•	•	•	•	•	•	•	
103' REFRESH performed with additional EFs read 104' Command performed succesfully, but requested icon could not be displayed performed succesfully, but modified by call control by SIM. 106' Command performed successfully, limited service 107' Command performed with modification 100' Proactive SIM session terminated by user 111' Backward move in the proactive SIM session requested by the user 112' No response from user 113' Help information required by the user 114' USSD/SS Transact terminated by user 114' USSD/SS Transact terminated by user 115' Network currently unable to process command 116' User did not accept the proactive command 117' User did not accept the proactive command 118' User dieard down call before connection or network release 119' User did not accept the proactive command 119' User did not accept the proactive command 120' User did not accept the proactive command 121' Interaction with call control by SIM, temporary problem 125' Interaction with call control by SIM, temporary problem 126' Launch Browser generic error 127' Command beyond MEs capabilities 138' Command data not understood by ME 139' User General Command User of User Command User Oscillation User Oscillati		comprehension	•	•	•	•	•	•	•	•	•	•	•	
read			•	•	•	•	•	•	•	•	•	•	•	
requested icon could not be displayed 55 Command performed, but modified by call control by SIM. 106 Command performed successfully, limited service 107 Command performed with modification 108 Proactive SIM session terminated by user 119 Proactive SIM session terminated by user 110 Proactive SIM session requested by the user 121 No response from user 131 Help information required by the user 142 USSD/SS Transact terminated by user 143 Help information required by user 144 USSD/SS Transact terminated by user 145 Network currently unable to process command 146 USSD/SS Transact terminated by user 151 Network currently unable to process command 152 Network currently unable to process command 153 User cleared down call before connection or network release 154 Action in contradiction with the current timer state 155 Interaction with call control by SIM, temporary problem 156 Launch Browser generic error 157 Command beyond MEs capabilities 158 Ommand byend MEs capabilities 159 Command data not understood by ME 150 Command umber not known by ME 150 SMS RPERROR 150 Multiple Card command error		read												
control by SIM. 106 Command performed successfully, limited service 107 Command performed with modification 107 Proactive SIM session terminated by user 118 Backward move in the proactive SIM session requested by the user 129 No response from user 131 Help information required by the user 142 USD/SS Transact terminated by user 143 USSD/SS Transact terminated by user 144 USSD/SS Transact terminated by user 145 Network currently unable to process command 146 Laurently unable to process command 147 Network currently unable to process command 148 User cleared down call before connection or network release 149 Laurently unable to process command 150 User did not accept the proactive command 151 Interaction with call control by SIM, temporary problem 152 Laurently unable to process command 153 Command beyond MEs capabilities 154 Laurently model of the current timer state 155 Interaction with call control by SIM, temporary problem 150 Command beyond MEs capabilities 151 Command data not understood by ME 152 Command data not understood by ME 153 Command data not understood by ME 154 SR Return Error 155 SRS RPERROR 156 Error, required values are missing 157 USD return error 158 Multiple Card command error		requested icon could not be displayed					•		•	•	•	•	•	
service Command performed with modification To Command performed with modification To Proactive SIM session terminated by user To No response from user Session requested by the user Session requested to user Session reque		control by SIM.												
To Proactive SIM session terminated by user		service												
111 Backward move in the proactive SIM session requested by the user 112 No response from user 113 Help information required by the user 114 USSD/SS Transact terminated by user 120 ME currently unable to process command 121 Network currently unable to process command 122 User did not accept the proactive command 123 User cleared down call before connection or network release 124 Action in contradiction with the current timer state 125 Interaction with call control by SIM, temporary problem 126 Launch Browser generic error 130 Command beyond MEs capabilities 131 Command type not understood by ME 132 Command data not understood by ME 133 Command number not known by ME 134 SS Return Error 135 SMS RPEROR 136 Multiple Card command error		•							•					
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 deared 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	'10'	Proactive SIM session terminated by user							•	•	•	•	•	
13 Help information required by the user	'11'													
14 USSD/SS Transact terminated by user 20 ME currently unable to process command	'12'	No response from user												
207 ME currently unable to process command	'13'	Help information required by the user												
21' Network currently unable to process command	'14'	USSD/SS Transact terminated by user												
command 22' User did not accept the proactive command	'20'	ME currently unable to process 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 26' Launch Browser generic error 27' Command beyond MEs capabilities 27' Command type not understood by ME 27' Command data not understood by ME 27'	'21'								•			•		
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	'22'	User did not accept the proactive command							•					
state 25' Interaction with call control by SIM, temporary problem 26' Launch Browser generic error	'23'													
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	'24'													
30 Command beyond MEs capabilities	'25'								•					
'31' Command type not understood by ME	'26'	Launch Browser generic error												
'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	'30'	Command beyond MEs capabilities	•	•	•	•	•	•	•	•	•	•	•	
'33' Command number not known by ME • • • • • • • • • • • • • • • • • • •	'31'	Command type not understood by ME	•	•	•	•	•	•	•	•	•	•	•	
'34' SS Return Error '35' SMS RPERROR '36' Error, required values are missing '37' USSD return error '38' Multiple Card command error	'32'	Command data not understood by ME	•	•	•	•	•	•	•	•	•	•	•	
"35" SMS RPERROR "36" Error, required values are missing "37" USSD return error "38" Multiple Card command error	'33'	Command number not known by ME	•	•	•	•	•	•	•	•	•	•	•	
'36' Error, required values are missing '37' USSD return error '38' Multiple Card command error	'34'	SS Return Error												
'37' USSD return error '38' Multiple Card command error • • • •	'35'	SMS RPERROR												
'38' Multiple Card command error	'36'	Error, required values are missing	•	•	•	•	•	•	•	•	•	•	•	
	'37'	USSD return error												
'39' Interaction with call control by SIM or MO	'38'	Multiple Card command error	•	•	•	•								
SM control by SIM, permanent problem	'39'													
'3A' Bearer Independent Protocol error	'3A'								•	•	•	•		

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

Tdoc # T3-040549

(revised T3-040453)

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*	51.014 CR	005	≋rev	-	æ	Current version:	4.3.0	¥
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Proposed chai	nge a	affects:	UICC apps X ME X Radio Ad	ccess Netwo	rk Core Network
Title:	ж		014 Rel-4: Correction of possible terminal ands in relation to the display of icons	responses ve	ersus proactive
Source:	¥	T3			
Work item cod	le: ₩	TEI		Date: ૠ	11/08/2004
Category:	Ж	F (0 A (0 B (3 C (1 D (0 Detailed	of the following categories: correction) corresponds to a correction in an earlier release addition of feature), functional modification of feature) editorial modification) explanations of the above categories can in 3GPP TR 21.900.	2	Rel-4 the following releases: (GSM Phase 2) (Release 1996) (Release 1997) (Release 1998) (Release 1999) (Release 4) (Release 5) (Release 6)

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:	\aleph	6.11			
Other energy	ھ	YN	Other care appoifications	مه	
Other specs affected:	Ж	X	Other core specifications Test specifications	\mathfrak{H}	
urrostou.		X	O&M Specifications		
	•				
Other comments:	\mathfrak{H}				

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																			
	RE- FRESH	MORE TIME	POLL INTER- VAL	POLLIN G OFF	SETUP EVENT LIST	SET UP CALL	SEND SS	SEND USSD	SEND SMS	SEND DTMF	LAUNC H BROWS ER	TONE	DISPLA Y TEXT	GET INKEY	GET INPUT	SELEC T ITEM	SET UP MENU	PRO- VIDE LOCAL INFO	TIMER MAN- AGE- MENT	SETUP IDLE MODE TEXT	
Terminal response	'01'	'02'	'03'	'04'	'05'	'10'	'11'	'12'	'13'	'14'	'15'	'20'	'21'	'22'	'23'	'24'	'25'	'26'	'27'	'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 coul be displayed	d not					•	•	•	•	•	•	•	•	•	•	•	•			•	
'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 user	/ the												•	•	•	•					١.
'12' No response from user													•	•	•	•					
'13' Help information required by the user														•	•	•					eq
'14' USSD/SS Transact terminated by user						•	•	•													Continued
'20' ME currently unable to process command	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	ıĦ
'21' Network currently unable to process command						•	•	•	•		•										8
'22' User did not accept the proactive command						•					•										
'23' User cleared down call before connection or network release	se					•															
'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 S permanent problem.	Μ,					•	•	•	•												
'3A' Bearer Independent Protocol error																					

		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							•	•	•	•	•
	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)

	CHANGE REQU	JEST
*	11.14 CR A221 #rev	- [₩] Current version: 8.16.0
For <u>HELP</u>	on using this form, see bottom of this page or lo	ok at the pop-up text over the
Proposed cha	nnge affects: UICC apps策 <mark>X</mark> ME <mark>X</mark> F	Radio Access Network Core Network
Title:	器 Essential corrections in content and codin	ng of BC Repeat indicator
Source:	Ж Т3	
Work item co	de: ₩ TEI	Date: 第 12/08/2004
Category:	# F Use one of the following categories: F (correction) A (corresponds to a correction in an earlie B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories of the found in 3GPP TR 21.900.	R97 (Release 1997) R98 (Release 1998) R99 (Release 1999)

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:	第 9.1.6; 12.42.
Other specs Affected:	Y N X Other core specifications Test specifications O&M Specifications W TS 31.111; TS 51.014 TS 31.111; TS 51.014
Other comments:	x

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 \$\mathbb{H}\$ 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	-	М	Y	1
Length (A+B+C+D+E+F)	-	М	Y	1 or 2
Address or SS string or USSD string	12.1, 12.14			
	or 12.17	0	N	Α
Capability configuration parameters 1	12.4	0	N	В
Subaddress	12.3	0	N	С
Alpha identifier	12.2	0	N	D
BC repeat indicator	12.42	M/O	N	E
Capability configuration parameters 2	12.4	0	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

T3-040554

New York, USA,	10''' – 13	"' August 2	2004		(rev	ised from T3-040500
CR-Form-v7. CHANGE REQUEST						
*	51.014	CR 006	≋rev	- #	Current version	on: 4.3.0 [₩]
For <u>HELP</u> on u	For <u>HELP</u> on using this form, see bottom of this page or look at the pop-up text over the % symbols.					
Proposed change a	affects: \	JICC apps೫[X ME X] Radio <i>I</i>	Access Network	Core Network
Title: Ж	Essential	corrections in	content and cod	ling of Bo	C Repeat indica	tor
Source: #	Т3					
Work item code: ∺	TEI				Date: ♯	12/08/2004
Category: ₩	F (corn A (corn B (add C (fund D (edit Detailed exp	lition of feature ctional modifica torial modificati	correction in an ear), ation of feature) ion) e above categories		Use <u>one</u> of the Ph2 (in Ph2 (Rel-4 ne following releases: GSM Phase 2) Release 1996) Release 1997) Release 1998) Release 1999) Release 4) Release 5) Release 6) Release 7)
December shows	. 90 (4) T	he coding of		in DC ro	a a at in dia atau	on used in DOO and
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 chang		ted the descr ification	iption of modes a	ina the c	orresponding co	odings in this
Consequences if not approved:	of mi	isinterpretatio sequential mo FS 51.014	n of the specifica de was removed	tion: in TS 24	1.008 (TS 04.08	therefore a high risk) but is mentioned in but is not mentioned
Clauses affected:	ж <mark> 9.1.6</mark>	; 12.42.				
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Other specs affected:	ж X X	Test specific O&M Specif		Ф		

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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 \(\mathcal{H} \) 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	-	М	Y	1
Length (A+B+C+D+E+F)	-	М	Y	1 or 2
Address or SS string or USSD string	12.1, 12.14			
	or 12.17	0	N	Α
Capability configuration parameters 1	12.4	0	N	В
Subaddress	12.3	0	N	С
Alpha identifier	12.2	0	N	D
BC repeat indicator	12.42	M/O	N	E
Capability configuration parameters 2	12.4	0	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 204.008 [108].

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".

 $[\ldots]$

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 204.008 [108], which may be alternate mode or sequential mode.

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