3GPP TSG-CN Meeting #24 2nd – 4th June 2004. Seoul, Korea.

Source: TSG CN WG3

Title: CRs to Rel-4 and previous on Work Item "TEI"

Agenda item: 7.11

Document for: APPROVAL

Introduction:

This document contains 6 CRs to Rel-4 and previous on Work Item "TEI" that have been agreed by TSG CN WG3, and are forwarded to TSG CN Plenary for approval.

WG_tdoc	Spec	CR	R	Cat	Title	Rel	C_Ver
N3-040363	27.001	105	1	F	Addition of network initiated in-call modification	R99	3.14.0
N3-040364	27.001	106	1	Α	Addition of network initiated in-call modification	Rel-4	4.11.0
N3-040365	27.001	107	1	Α	Addition of network initiated in-call modification	Rel-5	5.7.0
N3-040366	29.007	097	1	F	Addition of network initiated in-call modification	R99	3.14.0
N3-040367	29.007	098	1	Α	Addition of network initiated in-call modification	Rel-4	4.10.0
N3-040368	29.007	099	1	Α	Addition of network initiated in-call modification	Rel-5	5.9.0

N3-040363 (rev of Tdoc N3-040278)

CHANGE REQUEST												
*	27.001	CR 105	≋ rev	1 **	Current vers	ion: 3.14.0 [%]						
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Proposed change	affects:	UICC appsЖ	ME X	Radio Ac	cess Networ	k Core Networ	k					
Title: #	Addition	of network initiate	d in-call modi	fication								
Source: #	TSG_CN	I WG3										
Work item code: ₩	TEI				Date: ₩	29.04.2004						
Category: अ	F (co A (co B (ac C (ful D (ec	f the following categ rrection) rresponds to a corre Idition of feature), nctional modification litorial modification) cplanations of the at a 3GPP TR 21.900.	ection in an ear	lier release)	2 R96 R97 R98 R99 Rel-4	R99 the following releases (GSM Phase 2) (Release 1996) (Release 1997) (Release 1998) (Release 1999) (Release 4) (Release 5) (Release 6)	s:					
Reason for change	to the	ne standard. This	was the first a as forgotten to	pplication enhance	of the netwo	peech was introduce						
Summary of chang		condition when to ated in-call modific			on process d	luring a network						
Consequences if not approved:						in the MS in a wron to speech may fail						
Clauses affected:	第 8.1											
Other specs affected:	米 <mark>X </mark>	Other core spec	ons		08-857r1 (N1 07-097r1 (N3							
Other comments:	H											

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:

- 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

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8.1 Synchronization of the Traffic Channel

As long as there is no connection between the traffic channel and the interface to the TE this interface must be terminated in the appropriate way.

Prior to exposing the traffic channel of a GSM PLMN connection to transmission of user data, the controlling entities of the connection have to assure of the availability of the traffic channel(s). This is done by the so called synchronization process:

- starting on the indication of "physical connection established" resulting from the PLMN inherent outband signalling procedure. This indication is given: on reception of the message CONNECT in case of MO calls, on reception of the message CONNACK in case of MT calls and on reception of the message MODIFY COMPLETE in case of in call modification
 - for MO calls: on reception of the CONNECT message;
 - for MT calls: on reception of the CONNECT ACKNOWLEDGE message;
 - for mobile initiated in-call modification: on reception of the MODIFY COMPLETE message; and
 - for network initiated in-call modification: on sending the RR/RRC message confirming the reconfiguration of the traffic channel (in GSM: ASSIGNMENT COMPLETE, HANDOVER COMPLETE, or CHANNEL MODE MODIFY ACKNOWLEDGE; in UMTS: RADIO BEARER RECONFIGURATION COMPLETE, TRANSPORT CHANNEL RECONFIGURATION COMPLETE, or PHYSICAL CHANNEL RECONFIGURATION COMPLETE);
- ending by indicating the successful execution of this process to the controlling entity, which then takes care of the further use of the inband information (data, status).

It should be noted that during the call control phases (set-up and clear), the procedures at the V.-series and X.-series DTE interfaces can be mapped completely to the out-of-band signalling procedure. The state of the S-bits and X-bits during the call control phases are irrelevant to the DTE interface procedures. However, the "ready for data" condition (i.e. CTs 106 and 109, in the case of V.-series interface, and I-circuit, in the case of X.-series interface) is derived from the status bits received by the TAF once synchronization is complete. Since half duplex operation is not supported by a GSM PLMN, status bit SB is not needed to signal the turn around of the connection.

N3-040364 (rev of Tdoc N3-040279)

CHANGE REQUEST											
¥ 27	7.001 CR 10	<mark>⊛ ≉rev</mark>	1 ♯ Cu	rrent version: 4.1	1.0 [#]						
For <u>HELP</u> on using this form, see bottom of this page or look at the pop-up text over the ૠ symbols.											
Proposed change affects: UICC apps# ME X Radio Access Network Core Network											
Title:	ddition of network	initiated in-call mod	lification								
Source: # T	SG_CN WG3										
Work item code: 第	El			Date: 第 29.04.2	004						
Dei	e <u>one</u> of the followin F (correction) A (corresponds to B (addition of fea C (functional modified)	o a correction in an ea ture), dification of feature) ication) of the above categorie	L rlier release)	Ilease: # Rel-4 Ise one of the following a GSM Phate R96 (Release R97 (Release R98 (Release R99 (Release Rel-4 (Release Rel-5 (Release Rel-6 (Release Rel-6 (Release Rel-6))	ase 2) 1996) 1997) 1998) 1999) 4)						
Reason for change: 3	to the standard modification, a	pack from an analog d. This was the first nd it was forgotten subclause 8.1 accor	application of to enhance the	the network initiate	d in-call						
Summary of change: 9		when to start the sy modification is add		process during a no	etwork						
Consequences if not approved:		ecification. If the proposess									
Clauses affected:	€ 8.1										
Other specs 3	X Test spe	re specifications cifications ecifications		858r1 (N1-040973) 098r1 (N3-040367)							
Other comments: 3	₩										

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N3-040365 (rev of Tdoc N3-040280)

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Proposed change affects: UICC apps# ME X Radio Access Network Core Network													
Title:		₩ Ad	dition (of netw	ork initia	ited in-	call mod	lificati	on				
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Work ite	m code:	ℋ TΕ	l							Date: ૠ	29.	04.2004	
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N3-040366 (rev of Tdoc N3-040281)

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9.2.3.4 Establishment of end-to-end terminal synchronizations

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 - for MTC: on sending the CONNECT ACKNOWLEDGE message;
 - for mobile initiated in-call modification: on sending the MODIFY COMPLETE message (which is sent after reception of the ASSIGNMENT COMPLETE or RAB ASSIGNMENT RESPONSE message); and
 - for network initiated in-call modification: on reception of the ASSIGNMENT COMPLETE or RAB ASSIGNMENT RESPONSE message;
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Network interworking within an MSC/IWF is concerned with the terminating side (to the MS / UE) and the transit side (to the fixed network) of a connection. Both sides have to be treated individually related to the synchronizations process.

9.2.4.10 Establishment of end-to-end terminal synchronizations

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N3-040367 (rev of Tdoc N3-040282)

	CHANGE REQUEST												
*	29.007 CR	098	жrev	1 * C	Current vers	ion: 4.10.0	#						
For <u>HELP</u> on t	ısing this form, se	ee bottom of this	s page or l	ook at the _l	pop-up text	over the	nbols.						
Proposed change	affects: UICC	apps#	ME	Radio Acc	ess Networ	k Core Ne	etwork X						
Title:	Addition of net	work initiated in	-call modif	ication									
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Other comments:	\mathfrak{H}												

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9.2.3.4 Establishment of end-to-end terminal synchronizations

Prior to exposing the traffic channel of a PLMN connection to transmission of user data, the controlling entities of the connection shall assure of the availability of the traffic channel. This is done by a so called synchronizations process:

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Network interworking within an MSC/IWF is concerned with the terminating side (to the MS / UE) and the transit side (to the fixed network) of a connection. Both sides have to be treated individually related to the synchronizations process.

9.2.4.10 Establishment of end-to-end terminal synchronizations

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 - for MTC: on sending the CONNECT ACKNOWLEDGE message;
 - for mobile initiated in-call modification: on sending the MODIFY COMPLETE message (which is sent after reception of the ASSIGNMENT COMPLETE or RAB ASSIGNMENT RESPONSE message); and
 - for network initiated in-call modification: on reception of the ASSIGNMENT COMPLETE or RAB ASSIGNMENT RESPONSE message;
- ending by indicating the successful execution of this process to the controlling entity, which then takes care of the further use of the in-band information (data, status).

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Reason for change: In R99 the fallback from an analogue multimedia call to speech was introduct to the standard. This was the first application of the network initiated in-call modification, and it was forgotten to enhance the description of synchronizat of the TCH accordingly.											all		
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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:

 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.

9.2.3.4 Establishment of end-to-end terminal synchronizations

Prior to exposing the traffic channel of a PLMN connection to transmission of user data, the controlling entities of the connection shall assure of the availability of the traffic channel. This is done by a so called synchronizations process:

- starting on the indication of "physical connection established" resulting from the PLMN-inherent outband signalling procedure. This indication is given: on sending the message CONNECT in case of MOC, CONNECT ACKNOWLEDGEMENT in case of MTC and MODIFY COMPLETE (which is sent after reception of the ASSIGN COMPLETE message) in case of in call modification
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- ending by indicating the successful execution of this process to the controlling entity, which then takes care of the further use of the inband information (data, status).

Network interworking within an MSC/IWF is concerned with the terminating side (to the UE) and the transit side (to the fixed network) of a connection. Both sides have to be treated individually related to the synchronizations process.

9.2.4.10 Establishment of end-to-end terminal synchronizations

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