3GPP TSG CN Plenary Meeting #20 **NP-030203**
4th - 6th June 2003. HÄMEENLINNA, Finland.

Source: **TSG CN WG3**

Title: **pre-Rel-5 Work Item TEI.**

Agenda item: **7.11**

Document for: **APPROVAL**

Introduction:

This document contains **3** CRs on **pre-Rel-5 Work Item TEI,** including the corresponding mirror CRs (as required).

These CRs have been agreed by TSG CN WG3 and are forwarded to TSG CN Plenary for approval.

WG_tdoc	Title	Spec	CR	Rev	Cat	Rel	C_Ver
N3-030396	Subscription check after Call Confirmed	29.007	078		F	R99	3.b.0
N3-030397	Subscription check after Call Confirmed	29.007	079		A	Rel-4	4.7.0
N3-030398	Subscription check after Call Confirmed	29.007	073	1	A	Rel-5	5.5.0

3GPP TSG-CN WG3 Meeting #28
San Diego, U.S.A. 19th – 23rd May 2003.

Tdoc ⌘N3-030396

CR-Form-v7

CHANGE REQUEST

⌘ **29.007** **CR** **078** ⌘ **rev** **-** ⌘ Current version: **3.11.0** ⌘

*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:	⌘	Subscription check after Call Confirmed
Source:	⌘	TSG_CN WG3 *[Siemens AG]*
Work item code:	⌘	TEI
Date:	⌘	20/05/2003
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:	⌘	The subscription check after Call Confirmed is optional for all of the mobile terminated data calls, with the exception of CS multimedia. This CR proposes an alignment of this function for all data calls.
Summary of change:	⌘	See attached pages
Consequences if not approved:	⌘	Service dependent call flow functions.

Clauses affected:	⌘	Clause 9.4.2.1			
		Y	**N**		
Other specs affected:	⌘		**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.
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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.

Section modified

9.4.2 Mobile terminated multimedia call

9.4.2.1 Call setup

If the user has a subscription to both the multimedia bearer service and the speech teleservice and if the network supports both services and the fallback functionality, the MSC shall send both a multimedia BC-IE and a speech BC-IE in the setup message to the mobile station. If the user has a subscription only to the multimedia bearer service the MSC shall send only a multimedia BC-IE.

In case of both a speech BC-IE and a 3,1 kHz multimedia BC-IE in the setup the mobile station may either accept the possibility of a fallback to speech by responding with two BC-IEs or with no BC-IEs or turn the call to a speech call by sending only a speech BC-IE in the call confirm message or to a multimedia only call (i.e. no fallback to speech allowed) by sending only a multimedia BC-IE in the call confirm message. In case of a multimedia only BC-IE in the setup the MS may accept the setup as such or with modifications sent to the MSC in the call confirm message.

If no service definition is available in the network, the MSC shall send no BC-IE(s) to the mobile station in the call setup. The MSC shall analyse the received BC-IE(s) and optionally perform a subscription check to the multimedia and/or speech service(s) requested by the mobile station in the call confirm message and shall not accept a requested service rejected by the subscription check~~to which the user has no subscription~~.

The IWF V.34 modem shall await the ITU-T V.8 handshaking to be initiated by the calling party's modem and shall recognize the support of H.324 in the call function category of the incoming V.8 handshaking. If the calling party's modem does not indicate a H.324 support in its V.8 inband signalling, the IWF may clear the call. If the calling modem tries to handshake another than V.34 modem scheme, the IWF shall clear the call.

If FNUR = 33.6 kbit/s is agreed on in the setup, the IWF shall configure its V.34 modem to operate in automode with an upper data rate limit of 33.6 kbit/s and a lower data rate limit of 28.8 kbit/s. If the modems handshake to 31.2 or 28.8 kbit/s, the MSC shall initiate a MODIFY message (ref. to TS 24.008) to indicate the new data rate to the MS. HDLC flag stuffing or the stuffing mode defined in ITU-T recommendation H.223 (Annexes A, B and C) shall be used to adapt the 31.2 or 28.8 kbit/s data rate to the 33.6 kbit/s traffic channel between the MS and the IWF. In order to be able to use the correct stuffing pattern, the IWF shall detect the stuffing mode patterns exchanged between the multimedia terminals after the traffic channel setup (ref. to ITU-T recommendation H.324). The IWF may start the stuffing immediately after the detection of the used method. In downlink stuffing the IWF inserts stuffing patterns between the H.223 frames. In uplink stuffing the IWF removes stuffing patterns from between the H.223 frames received from the MS. If the MS responds with a MODIFY REJECT message, the MSC shall clear the call.

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CHANGE REQUEST

⌘ **29.007** **CR** **079** ⌘ **rev** **-** ⌘ Current version: **4.7.0** ⌘

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Proposed change affects: UICC apps⌘ ☐ ME ☐ Radio Access Network ☐ Core Network ☒

Title:	⌘	Subscription check after Call Confirmed
Source:	⌘	TSG_CN WG3 *[Siemens AG]*
Work item code:	⌘	TEI
Date:	⌘	20/05/2003
Category:	⌘	**A**
Release:	⌘	Rel-4

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Reason for change:	⌘	The subscription check after Call Confirmed is optional for all of the mobile terminated data calls, with the exception of CS multimedia. This CR proposes an alignment of this function for all data calls.
Summary of change:	⌘	See attached pages
Consequences if not approved:	⌘	Service dependent call flow functions.

Clauses affected:	⌘	Clause 9.4.2.1			
		Y	**N**		
Other specs affected:	⌘		**X**	Other core specifications	⌘
			X	Test specifications	
			X	O&M Specifications	
Other comments:	⌘				

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Section modified

9.4.2 Mobile terminated multimedia call

9.4.2.1 Call setup

If the user has a subscription to both the multimedia bearer service and the speech teleservice and if the network supports both services and the fallback functionality, the MSC shall send both a multimedia BC-IE and a speech BC-IE in the setup message to the mobile station. If the user has a subscription only to the multimedia bearer service the MSC shall send only a multimedia BC-IE.

In case of both a speech BC-IE and a 3,1 kHz multimedia BC-IE in the setup the mobile station may either accept the possibility of a fallback to speech by responding with two BC-IEs or with no BC-IEs or turn the call to a speech call by sending only a speech BC-IE in the call confirm message or to a multimedia only call (i.e. no fallback to speech allowed) by sending only a multimedia BC-IE in the call confirm message. In case of a multimedia only BC-IE in the setup the MS may accept the setup as such or with modifications sent to the MSC in the call confirm message.

If no service definition is available in the network, the MSC shall send no BC-IE(s) to the mobile station in the call setup. The MSC shall analyse the received BC-IE(s) and optionally perform a subscription check to the multimedia and/or speech service(s) requested by the mobile station in the call confirm message and shall not accept a requested service rejected by the subscription check~~to which the user has no subscription~~.

The IWF V.34 modem shall await the ITU-T Recommendation V.8 handshaking to be initiated by the calling party's modem and shall recognize the support of H.324 in the call function category of the incoming V.8 handshaking. If the calling party's modem does not indicate a H.324 support in its V.8 inband signalling, the IWF may clear the call. If the calling modem tries to handshake another than V.34 modem scheme, the IWF shall clear the call.

If FNUR = 33.6 kbit/s is agreed on in the setup, the IWF shall configure its V.34 modem to operate in automode with an upper data rate limit of 33.6 kbit/s and a lower data rate limit of 28.8 kbit/s. If the modems handshake to 31.2 kbit/s or 28.8 kbit/s, the MSC shall initiate a MODIFY message (see 3GPP TS 24.008) to indicate the new data rate to the MS. HDLC flag stuffing or the stuffing mode defined in ITU-T Recommendation H.223 (Annexes A, B and C) shall be used to adapt the 31.2 kbit/s or 28.8 kbit/s data rate to the 33.6 kbit/s traffic channel between the MS and the IWF. In order to be able to use the correct stuffing pattern, the IWF shall detect the stuffing mode patterns exchanged between the multimedia terminals after the traffic channel setup (see ITU-T Recommendation H.324). The IWF may start the stuffing immediately after the detection of the used method. In downlink stuffing the IWF inserts stuffing patterns between the H.223 frames. In uplink stuffing the IWF removes stuffing patterns from between the H.223 frames received from the MS. If the MS responds with a MODIFY REJECT message, the MSC shall clear the call.

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CHANGE REQUEST

⌘ **29.007** **CR** **073** ⌘ **rev** **1** ⌘ Current version: **5.5.0** ⌘

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Category:	⌘	**A**
Release:	⌘	Rel-5

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Other specs affected:	⌘		**X**	Other core specifications	⌘
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			X	O&M Specifications	
Other comments:	⌘				

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If no service definition is available in the network, the MSC shall send no BC-IE(s) to the user equipment in the call setup. The MSC shall analyse the received BC-IE(s) and optionally perform a subscription check to the multimedia and/or speech service(s) requested by the user equipment in the call confirm message and shall not accept a requested service ~~to which the user has no subscription~~rejected by the subscription check.

The IWF V.34 modem shall await the ITU-T Recommendation V.8 handshaking to be initiated by the calling party's modem and shall recognize the support of H.324 in the call function category of the incoming V.8 handshaking. If the calling party's modem does not indicate a H.324 support in its V.8 inband signalling, the IWF may clear the call. If the calling modem tries to handshake another than V.34 modem scheme, the IWF shall clear the call.

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