3GPP TSG CN Plenary Meeting #17 **NP-020459**
4th – 6th September 2002 Biarritz, FRANCE.

Source: TSG CN WG4

Title: Global Text Telephony

Agenda item: 8.9

Document for: APPROVAL

Spec	CR	Rev	Doc-2nd-Level	Phase	Subject	Cat	Ver_C
29.232	037	1	N4-020885	Rel5	Misalignment between TS 23.226 and TS 29.232 for Global Text Telephony	F	5.2.0
29.232	038	1	N4-020886	Rel5	Alignment of text in TS 29.232 for Global Text Telephony	F	5.2.0
29.232	039	1	N4-020887	Rel5	Alignment between prepare bearer and reserve bearer in TS 29.232 for Global Text Telephony	F	5.2.0
23.205	029	1	N4-021073	Rel5	Misalignment between TS 23205 and TS 29232 for Global Text Telephony	F	5.2.0
23.205	030	1	N4-021074	Rel5	Misalignment between TS 23.226 and TS 23.205 for Global Text Telephony	F	5.2.0

3GPP TSG CN WG4 Meeting #15 ***N4-021073***
Helsinki, Finland, 29th July – 2nd August 2002

CR-Form-v7

CHANGE REQUEST

⌘ **23.205** **CR** 029 ⌘ **rev** **1** ⌘ Current version: **5.2.0** ⌘

*For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.*

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

Title:	⌘	Misalignment between TS 23205 and TS 29232 for Global Text Telephony
Source:	⌘	CN4
Work item code:	⌘	GTT
Date:	⌘	12/07/2002
Category:	⌘	**F**
Release:	⌘	Rel-5

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 description in chapter 14.7 " Global Text Telephony" in TS 23205 and the description of Cellular Text telephone Modem Text Transport package in chapter 15.1.6 in TS 29.232 are misaligned.
Summary of change:	⌘	Text is added to describe the possibility 1) to get a report of the outcome of the user plane negotiation 2) to get statistics ot the number of bits sent in user plane for the call.
Consequences if not approved:	⌘	Misalignment between the two specifications may lead to different incompatible implementations.

Clauses affected:	⌘	14.7 and 16.2.46, 16.2.12

		Y	N			
Other specs Affected:	⌘	X		Other core specifications	⌘	TS 29.232 CR 038
			X	Test specifications		
			X	O&M Specifications		

Other comments:	⌘	

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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.

****** FIRST MODIFIED SECTION ******

14.7 Global Text Telephony

3GPP TS 23.226 [26] describes the high level architecture and functionality of GTT. When text based conversation is needed by a subscriber, the call is established with general call control functions like any other call. Within the call control transactions MT might indicate the need for text conversation (see 3GPP TS 24.008 [4]), which then requires actions in a core network where the pooling mechanism is chosen for GTT feature. This section describes only the option where the CTM pool is provided in the Media Gateway in the Core Network.

MSC Server indicated by MT about the need of text conversation, allocates terminations in MGW with CTM (Cellular Text telephony Modem) capabilities for the detection of CTM signals from radio access network. The default action of the call path in the CTM-detection/conversion function in MGW is to transfer audio transparently while monitoring for text telephone signals. When valid text telephone signals are detected, the converting action of the channel takes effect. The path converts between the detected CTM and PSTN text telephone methods. This mode of operation continues until text signaling ceases. Then transparent audio transport is re-established, again monitoring for text signals.

The CTM channel is created with Prepare bearer procedure by including Cellular Text Telephone package and Establish Bearer procedure by including Text Telephone and Call Discrimination packages (see 16.2.4 and 16.2.5).

The outcome of CTM negotation towards the CTM user in the user plane is reported in the CTM report procedure.

At release the MGW may report the number of bits of Global Text Telephony data in accordance with ITU recommendation T.140 sent for the call.

****** NEXT MODIFIED SECTION ******

16.2.46 CTM report

This procedure is used to notify the outcome of the CTM negotiation in the user plane.

Table 16.21: Procedures between (G)MSC server and MGW: CTM report

Procedure	Initiated	Information element name	Information element required	Information element description
CTM report	MGW	Context	M	This information element indicates the context for the bearer termination.
		Bearer Termination	M	This information element indicates the bearer termination where the CTM function was activated
		Outcome of CTM negotiation	M	This information element indicates whether the CTM negotiation in user plane was successful or not.
CTM report Ack	(G)MSC-S	Context	M	This information element indicates the context where the command was executed.

****** LAST MODIFIED SECTION ******

16.2.12 Release Termination

This procedure is used to release the bearer termination.

Table 16.13: Procedures between (G)MSC server and MGW: Release Termination

Procedure	Initiated	Information element name	Information element required	Information element description
Release Termination	(G)MSC-S	Context	M	This information element indicates the context for the bearer termination.
		Bearer Termination	M	This information element indicates the bearer termination to be released.
Release Termination Ack	MGW	Context	M	This information element indicates the context where the command was executed.
		Bearer Termination	M	This information element indicates the bearer termination where the command was executed.
		T.140 data statistics	C	Number of t.140 data bits transmitted over the termination

3GPP TSG CN WG4 Meeting #15 **N4-021074**
Helsinki, Finland, 29th July – 2nd August 2002

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CHANGE REQUEST

⌘ **23.205** **CR** **030** ⌘ **rev** **1** ⌘ Current version: **5.2.0** ⌘

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

Title:	⌘	Misalignment between TS 23.226 and TS 23.205 for Global Text Telephony.
Source:	⌘	CN4
Work item code:	⌘	GTT
Date:	⌘	12/07/202
Category:	⌘	**F**
Release:	⌘	Rel-5

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 23.226 describes the high level architecture and functionality of GTT. It describes that it is possible to place the CTM adoptor in the core network and that a CTM capable mobile can be connected over the A interface. When a network uses a split architecture it is natural that the CTM function is provided in the MGW in the same way as the CSD function.
Summary of change:	⌘	There are two changes required 1) In section 14.7 the Reserve circuit procedure is added.. 2) In section 16.2.6 the CTM info element is added.
Consequences if not approved:	⌘	It is not possible to use a MGW to provide the CTM function.

Clauses affected:	⌘	14.7 and 16.2.6

		Y	N			
Other specs affected:	⌘	X		Other core specifications	⌘	TS 29.232 CR 037
			X	Test specifications		
			X	O&M Specifications		

Other comments:	⌘	

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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.

****** FIRST MODIFIED SECTION ******

14.7 Global Text Telephony

3GPP TS 23.226 [26] describes the high level architecture and functionality of GTT. When text based conversation is needed by a subscriber, the call is established with general call control functions like any other call. Within the call control transactions MT might indicate the need for text conversation (see 3GPP TS 24.008 [4]), which then requires actions in a core network where the pooling mechanism is chosen for GTT feature. This section describes only the option where the CTM pool is provided in the Media Gateway in the Core Network.

MSC Server indicated by MT about the need of text conversation, allocates terminations in MGW with CTM (Cellular Text telephony Modem) capabilities for the detection of CTM signals from radio access network. The default action of the call path in the CTM-detection/conversion function in MGW is to transfer audio transparently while monitoring for text telephone signals. When valid text telephone signals are detected, the converting action of the channel takes effect. The path converts between the detected CTM and PSTN text telephone methods. This mode of operation continues until text signaling ceases. Then transparent audio transport is re-established, again monitoring for text signals.

The CTM channel is created with Prepare bearer or Reserve circuit -procedure by including Cellular Text Telephone package, and Establish Bearer procedure by including Text Telephone and Call Discrimination packages (see 16.2.4 ~~and~~ 16.2.5 and 16.2.6).

****** LAST MODIFIED SECTION ******

16.2.6 Reserve Circuit

This procedure is used to select a TDM circuit in the MGW.

Table 16.7: Procedures between (G)MSC server and MGW: Reserve Circuit

Procedure	Initiated	Information element name	Information element required	Information element description
Reserve Circuit	(G)MSC-S	Context/Context Request	M	This information element indicates the existing context or requests a new context for the bearer termination.
		Bearer Termination	M	This information element indicates the physical bearer termination for the TDM circuit.
		Circuit Switched Data	C	This information element indicates the PLMN bearer capabilities and GSM channel coding. This information element is included for a non-speech call by the MSC server, or by the anchor-MSC in case of inter-MSC handover, for a radio access network side bearer termination.
		Bearer Service Characteristics	C	This information element indicates the bearer service requested by the user. This information element is included if no Circuit Switched Data information element is provided.
		Cellular Text telephony modem	C	This information element indicates the need of CTM function.
Reserve Circuit Ack	MGW	Context	M	This information element indicates the context where the command was executed.
		Bearer Termination	M	This information element indicates the bearer termination where the command was executed..

3GPP TSG CN WG4 Meeting #15 **N4-020885**
Helsinki, Finland, 29th July – 2nd August 2002

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CHANGE REQUEST

⌘ **29232** **CR** **037** ⌘ **rev** **1** ⌘ Current version: **5.2.0** ⌘

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

Title:	⌘	Misalignment between TS 23.226 and TS 29.232 for Global Text Telephony.
Source:	⌘	CN4
Work item code:	⌘	GTT
Date:	⌘	16/07/2002
Category:	⌘	**F**
Release:	⌘	Rel-5

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 23.226 describes the high level architecture and functionality of GTT. It describes where it is possible to place the CTM adoptor in the core network and that a CTM capable mobile can be connected over the A interface. When a network uses a split architecture it is natural that the CTM function is provided in the MGW in the same way as CSD function.
Summary of change:	⌘	The following changes are provided 1) Information elements are added to the reserve circuit procedure 2) Information elements are added to the format and codes section.
Consequences if not approved:	⌘	Misalignment between the specifications may lead to different incompatible implementations.

Clauses affected:	⌘	Section 10, and 14.2.18

		Y	N			
Other specs affected:	⌘	X		Other core specifications	⌘	TS 23205 CR 030
			X	Test specifications		
			X	O&M Specifications		

Other comments:	⌘	

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**** FIRST MODIFIED SECTION ****

10 Formats and codes

Table 1 shows the parameters which are required, in addition to those defined in the subclause "Formats and Codes" of ITU—T Recommendation Q.1950 (see 3GPP TS 29.205 [7]).

The coding rules applied in ITU-T Recommendation H.248 [10] for the applicable coding technique shall be followed for the UMTS capability set.

Table 1: Additional parameters required

Actprot	Signal descriptor	As for the signal "Activate protocol" in subclause 15.1.2.3
Mode	Local control	As for the property "UP mode of operation" in subclause 15.1.1.1
Version	Local control	As for the property "Upversion" in subclause 15.1.1.1
Value	Local control	As for the property " Delivery of errounous SDUs" in subclause 15.1.1.1
Interface	Local control	As for the property " Interface" in subclause 15.1.1.1
Initdirection	Local control	As for the property " Initialisation Direction" in subclause 15.1.1.1
PLMN bearer capability	Local control	As for the property "PLMN BC" in subclause 15.1.2.1
Coding	Local control	As for the property " GSM channel coding" in subclause 15.1.2.1
Tfoenable	Local control	As for the property " TFO activity control" in subclause 15.1.3.1
Codeclist	Local control	As for the property" TFO Codec List" in subclause 15.1.3.1
Result	ObservedEvent descriptor	As for the ObservedEventDescriptor parameter "Protocol Negotiation Result" in subclause 15.1.2.2
Cause	ObservedEvent descriptor	As for the ObservedEventDescriptor parameter "Protocol Negotiation Result" in subclause 15.1.2.2
Rate	ObservedEvent descriptor	As for the ObservedEventDescriptor parameter "Rate Change" in subclause 15.1.2.2
Optimalcodec	ObservedEvent descriptor	As for the ObservedEventDescriptor parameter "Optimal Codec Type" in subclause 15.1.3.2
Distlist	ObservedEvent descriptor	As for the ObservedEventDescriptor parameter "Distant TFO List" in subclause 15.1.3.2
Off / value	Local control	As for the property "Echo cancelling" in subclause E.13.1 in ITU-T Recommendation H.248 [10]
Error	Error descriptor	As defined in the subclause "Command error code" in ITU-T Recommendation H.248 [10]
Reduction	ObservedEvent descriptor	As for the ObserverdEventDescriptor in “MGW Resource Congestion Handling– Indication” in subclause 14.1.15.
Bearer Modification Support	EventDescriptor	As for the EventsDescriptor in "Bearer Modification Support" in subclause 15.1.4.2.
Bearer modification possible	ObservedEvent descriptor	As for the ObserverdEventDescriptor in “Bearer Modification Support” in subclause 15.1.4.2.
Ctmstate	TerminationState	As for the TerminationState “Text termination connection state” in subclause 15.1.6.1.
Ctmtransport	Local control	As for the property “Text Transport” in subclause 15.1.6.1.
Ctmtext version	Local control	As for the property ” Text Protocol Version” in subclause 15.1.6.1.

**** LAST MODIFIED SECTION ****

14.2.18 Reserve Circuit

This procedure is activated when the "Reserve Circuit" procedure is initiated.

An ADD.req, MOD.req or MOV.req command is sent with the following information.

1 ADD.req/MOD.req/MOV.req (Reserve_Circuit) CSM to BIWF

Address Information	Control information	Bearer information
	Transaction ID = z Termination ID = bearer1 Context Requested: Context ID = ? Context Provided: Context ID = c1 State= ctmstate Transport= ctmtransport Version= ctmtext version If indication on Protocol Negotiation Result requested: NotificationRequested (Event ID = x, "Prot Negotiation Result") If indication on Rate Change requested: NotificationRequested (Event ID = x, "RateChange")	Bearer Service Characteristics If data call PLMN capabilities GSM channel coding = coding

Upon completion of processing command (1) an ADD.resp, MOD.resp or MOV.resp command (2) is sent.

2 ADD.resp/MOD.resp/MOV.resp BIWF to CSM

Address Information	Control information	Bearer information
	Transaction ID = z Context ID = c1 TerminationID = bearer1	

3GPP TSG CN WG4 Meeting #15 ***N4-020886***
Helsinki, Finland, 29th July – 2nd August 2002

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CHANGE REQUEST

⌘ **29232** **CR** **038** ⌘ **rev** **1** ⌘ Current version: **5.2.0** ⌘

*For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.*

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

Title:	⌘	Alignment of text in TS 29.232 for Global Text Telephony.
Source:	⌘	CN4
Work item code:	⌘	GTT
Date:	⌘	16/07/2002
Category:	⌘	**F**
Release:	⌘	Rel-5

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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 description of the different parts of TS 29232 for Global Text Telephony are misaligned.
Summary of change:	⌘	The following changes are provided 1) Information elements are added to the prepare bearer procedure 2) The procedure CTM report is added 3) Statistics are added to release termination procedure. 4) Information elements are added to the format and codes section. 5) CTM report is added to the summary section for procedures.
Consequences if not approved:	⌘	Misalignment in the specification may lead to different incompatible implementations.

Clauses affected:	⌘	Section 10, 14.2.5, 14.2.8.2, 14.2.40

		Y	N			
Other specs affected:	⌘	X		Other core specifications	⌘	TS 23205 CR 029
			X	Test specifications		
			X	O&M Specifications		

Other comments:	⌘	

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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.

**** FIRST MODIFIED SECTION ****

10 Formats and codes

Table 1 shows the parameters which are required, in addition to those defined in the subclause "Formats and Codes" of ITU—T Recommendation Q.1950 (see 3GPP TS 29.205 [7]).

The coding rules applied in ITU-T Recommendation H.248 [10] for the applicable coding technique shall be followed for the UMTS capability set.

Table 1: Additional parameters required

Actprot	Signal descriptor	As for the signal "Activate protocol" in subclause 15.1.2.3
Mode	Local control	As for the property "UP mode of operation" in subclause 15.1.1.1
Version	Local control	As for the property "Upversion" in subclause 15.1.1.1
Value	Local control	As for the property " Delivery of errounous SDUs" in subclause 15.1.1.1
Interface	Local control	As for the property " Interface" in subclause 15.1.1.1
Initdirection	Local control	As for the property " Initialisation Direction" in subclause 15.1.1.1
PLMN bearer capability	Local control	As for the property "PLMN BC" in subclause 15.1.2.1
Coding	Local control	As for the property " GSM channel coding" in subclause 15.1.2.1
Tfoenable	Local control	As for the property " TFO activity control" in subclause 15.1.3.1
Codeclist	Local control	As for the property" TFO Codec List" in subclause 15.1.3.1
Result	ObservedEvent descriptor	As for the ObservedEventDescriptor parameter "Protocol Negotiation Result" in subclause 15.1.2.2
Cause	ObservedEvent descriptor	As for the ObservedEventDescriptor parameter "Protocol Negotiation Result" in subclause 15.1.2.2
Rate	ObservedEvent descriptor	As for the ObservedEventDescriptor parameter "Rate Change" in subclause 15.1.2.2
Optimalcodec	ObservedEvent descriptor	As for the ObservedEventDescriptor parameter "Optimal Codec Type" in subclause 15.1.3.2
Distlist	ObservedEvent descriptor	As for the ObservedEventDescriptor parameter "Distant TFO List" in subclause 15.1.3.2
Off / value	Local control	As for the property "Echo cancelling" in subclause E.13.1 in ITU-T Recommendation H.248 [10]
Error	Error descriptor	As defined in the subclause "Command error code" in ITU-T Recommendation H.248 [10]
Reduction	ObservedEvent descriptor	As for the ObserverdEventDescriptor in “MGW Resource Congestion Handling– Indication” in subclause 14.1.15.
Bearer Modification Support	EventDescriptor	As for the EventsDescriptor in "Bearer Modification Support" in subclause 15.1.4.2.
Bearer modification possible	ObservedEvent descriptor	As for the ObserverdEventDescriptor in “Bearer Modification Support” in subclause 15.1.4.2.
Ctmstate	TerminationState	As for the TerminationState “Text termination connection state” in subclause 15.1.6.1.
Ctmtransport	Local control	As for the property “Text Transport” in subclause 15.1.6.1.
Ctmtext version	Local control	As for the property ” Text Protocol Version” in subclause 15.1.6.1.
Connchng	ObservedEventDescriptor	As for the ObservedEventDescriptor ” Connection State Change in subclause 15.1.6.2
Ctmbits	Statistics descriptor	As for the Statistics descriptor “Characters Transferred” in subclause 15.1.6.4

**** NEXT MODIFIED SECTION ****

14.2 Call related H.248 transactions

Table 3 shows the relationship between each call-related procedure in ITU-T Recommendation Q.1950 (see 3GPP TS 29.205 [7]) and the corresponding stage 2 procedure defined in 3GPP TS 23.205 [2].

Table 3: Correspondence between Q.1950 call-related transactions and 3GPP TS 23.205 and 23.153 procedures

Transaction used in Q.1950	Procedure defined in 3GPP TS 23.205 [2] and 23.153 [1]	Comments
Change_Topology	Change Flow Direction	
Join	Join Bearer Termination	
Isolate	Isolate Bearer Termination	
Establish_BNC_Notify+(tunnel)	Establish Bearer	
Prepare_BNC_Notify+(tunnel)	Prepare Bearer	
Cut_Through	Change Through-Connection	
Not defined in Q.1950	Activate Interworking Function	
Cut_BNC (include several procedures).	Release Bearer (Release Bearer and Release termination)	
BNC Established	Bearer Established	
BNC Release	Bearer Released	
Insert_Tone	Send Tone	
Insert_Annoucement	Play Announcement	
Signal Completion	Announcement Completed	
Detect_Digit	Detect DTMF	
Insert_Digit	Send DTMF	
Detected digit(BIWF)	Report DTMF	
Confirm_Char	Confirm Char	
Modify_ Char	Modify Char	
Reserve_Char_Notify	Reserve Char	
BNC Modified	Bearer Modified	
Echo Canceller	Activate Voice Processing Function	
BNC Connected	**[Editors note: No definition yet]**	
BNC Modification failure	Bearer Modified Failed	
Tunnel (MGC-MGW)	Tunnel Information Down	
Tunnel (MGW-MGC)	Tunnel Information Up	
Insert Tone	Stop Tone	
Insert Announcement	Stop Announcement	
Detect Digits	Stop DTMF Detection	
Insert Digit	Stop DTMF	
Signal.Completion	Tone Completed	
Not defined	Reserve Circuit	
Not defined	Command Rejected	
Not defined	TFO Activation	
Not defined	Codec_Modify	
Not defined	Optimal Codec and Distant List_Notify	
Not defined	Distant Codec List	
Modify Char	Modify Bearer Characteristics	
Not defined	IWF Protocol Indication	
Not defined	Bearer Modification Support	
Not defined	CTM report	

NOTE: A procedure defined in table 3 can be combined with another procedure in the same action. This means that they can share the same contextID and termination ID(s).

**** NEXT MODIFIED SECTION ****

14.2.5 Prepare Bearer

This procedure is the same as that defined in the subclause "Prepare_BNC_notify" in ITU-T Recommendation Q.1950 (see 3GPP TS 29.205 [7]) with additions as shown below:

Address Information	Control information	Bearer information
	UP mode = mode UP version = version Delivery of erroneous SDUs = value Interface = interface Initdirerection = initdirection State= ctmstate Transport= ctmtransport Version= ctmtext version If indication on Protocol Negotiation Result requested: NotificationRequested (Event ID = x, "Prot Negotiation Result") If indication on Rate Change requested: NotificationRequested (Event ID = x, "RateChange") If indication on Bearer Modification requested: NotificationRequested (Event ID = x, "Bearer Modification Support") If notification on CTM negotiation result requested: NotificationRequested (Event ID = x, " connchange ")	PLMN bearer capability = PLMN capability GSM channel coding = coding

**** NEXT MODIFIED SECTION ****

14.2.40 CTM report

When the procedure "CTM report" is required the following procedure is initiated:

The MGW sends a NOT.req command with the following information.

1 NOT.req (CTM report) MGW to MGC

Address Information	Control information	Bearer information
	Transaction ID = z Context ID = c1 Termination ID = bearer1 Event_ID (Event ID = x, " connchng ")	

When the processing of command (1) is complete, the MGC initiates the following procedure.

2 NOT.resp (CTM report) MGC to MGW

Address Information	Control information	Bearer information
	Transaction ID = z Context ID = c1 Termination ID = bearer1	

**** LAST MODIFIED SECTION ****

14.2.8.2 Release Termination

This procedure is the same as that defined in the subclause "Release"in ITU-T Recommendation Q.1950 (see 3GPP TS 29.205 [7]) including a Subtract command in the transaction~~.~~ with the following additions.

2 Sub.resp (Release termination) MGW to MGC

Address Information	Control information	Bearer information
	Transaction ID = z Context ID = c1 Termination ID = bearer1 If requested Statistics= Ctmbits	

3GPP TSG CN WG4 Meeting #15 ***N4-020887***
Helsinki, Finland, 29th July – 2nd August 2002

CR-Form-v7

CHANGE REQUEST

⌘ **29.232** **CR** **039** ⌘ **rev** **1** ⌘ Current version: **5.2.0** ⌘

*For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.*

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

Title:	⌘	Alignment between prepare bearer and reserve bearer in TS 29.232 for Global Text Telephony.
Source:	⌘	CN4
Work item code:	⌘	GTT
Date:	⌘	16/07/2002
Category:	⌘	**F**
Release:	⌘	Rel-5

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:	⌘	To be able to provide the CTM function in a similar way on the A interface as on the IU interface the possibility to request a notification of the outcome of user plane negotiation is required to be added to the reserve circuit procedure.
Summary of change:	⌘	Information element is added to the reserve circuit procedu.
Consequences if not approved:	⌘	The service capability will be different on the A interface than on IU interface for GTT.

Clauses affected:	⌘	Section 14.2.18

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.

**** FIRST MODIFIED SECTION ****

14.2.18 Reserve Circuit

This procedure is activated when the "Reserve Circuit" procedure is initiated.

An ADD.req, MOD.req or MOV.req command is sent with the following information.

1 ADD.req/MOD.req/MOV.req (Reserve_Circuit) CSM to BIWF

Address Information	Control information	Bearer information
	Transaction ID = z Termination ID = bearer1 Context Requested: Context ID = ? Context Provided: Context ID = c1 State= ctmstate Transport= ctmransport Version= ctmtext version If indication on Protocol Negotiation Result requested: NotificationRequested (Event ID = x, "Prot Negotiation Result") If indication on Rate Change requested: NotificationRequested (Event ID = x, "RateChange") If notification on CTM negotiation result requested: NotificationRequested (Event ID = x, " connchange ")	Bearer Service Characteristics If data call PLMN capabilities GSM channel coding = coding

Upon completion of processing command (1) an ADD.resp, MOD.resp or MOV.resp command (2) is sent.

2 ADD.resp/MOD.resp/MOV.resp BIWF to CSM

Address Information	Control information	Bearer information
	Transaction ID = z Context ID = c1 TerminationID = bearer1	