Technical Specification Group Services and System Aspects **TSGS#11(01)0039**
Meeting #11, Palm Springs, CA, USA, 19-22 March 2001

Source:	**SA1**
Title:	**CRs to 22.002 clarification on Circuit Switched Bearer Services in UMTS**
Document for:	**Approval**
Agenda Item:	**7.1.3**

Spec	CR	Rev	Phase	Subject	Cat	Version-Current	Version-New
22.002	009		R99	CR to 22.002 clarification on Circuit Switched Bearer Services in UMTS	F	3.5.0	3.6.0
22.002	010		Rel-4	CR to 22.002 clarification on Circuit Switched Bearer Services in UMTS	C	4.0.0	4.1.0

CR-Form-v3

CHANGE REQUEST

| ⌘ | **TS 22.002** | **CR** | **009** | ⌘**rev** | **-** | ⌘**Current vers** | **3.5.0** | ⌘ |

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

Proposed change affects: ⌘ (U)SIM ☐ ME/UE **X** Radio Access Network ☐ Core Network **X**

Title: ⌘	Clarification on Circuit Switched Bearer Services in UMTS	
Source: ⌘	SA1	
Work item code: ⌘	CS Bearers in UMTs	***Date:*** ⌘ 16/02/01
Category: ⌘	**F**	***Release:*** ⌘ R99

Use one of the following categories: **F** *(essential 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)*

Reason for change: ⌘	CN3 proposed to restructure the document and to correct and adapt it to UMTS capabilities to avoid inconsistencies with 27.001, 23.910 and 29.007 which arose in the past. This CR belongs to a set of CRs that tidy up the document accordingly.
Summary of change: ⌘	• **Transparent synchronous services at 48 kbit/s** Deletion of 48 kbit/s for BS 30 T UDI for UMTS because there is no appropriate Radio Access Bearer (RAB) available in order to provide this service. • **Transparent services at 28.8 kbit/s for UDI** Deletion of 28.8 kbit/s for BS 20 and BS 30 T UDI for UMTS because the idea for UMTS was to reduce the CS Bearer Services to those that are really needed. For 3.1 kHz Audio this user rate is needed because it represents the highest user rate provided by a V.34 modem that can be signalled in ISDN. For UDI this user rate is not necessary because it is possible to provide higher user rates.
Consequences if not approved: ⌘	Inconsistency with 27.001, 23.910 and 29.007

Clauses affected: ⌘	3.1.2

Other specs affected: ⌘	☐ Other core specifications ⌘ ☐ Test specifications ☐ 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/3G_Specs/CRs.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://www.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2000-09 contains the specifications resulting from the September 2000 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.

3.1.2   V.110 UDI

Fixed Network User Rate	Access Structure	User Information Layer 1 protocol	QoS Attribute	Notes
0.3 kbit/s	Asynch	V.110	NT or T	note 2 and 3
1.2 kbit/s	Asynch, Synch	V.110	NT or T	note 1, 2 and 3
2.4 kbit/s	Asynch, Synch	V.110	NT or T	note 2 and 3
4.8 kbit/s	Asynch, Synch	V.110	NT or T	note 2 and 3
9.6 kbit/s	Asynch, Synch	V.110	NT or T	note 2 and 4
14.4 kbit/s	Asynch, Synch	V.110	NT or T	Note 4
19.2 kbit/s	Asynch, Synch	V.110	NT or T	Note 4
28.8 kbit/s	Asynch, Synch	V.110	NT or T	Note 4
38.4 kbit/s	Asynch, Synch	V.110	NT or T	Note 4
48 kbit/s	Synch	V.110	T	Note 6
56 kbit/s	Synch	V.110	T (in a 64 kbit/s environment)	

NOTE 1:   Not applicable to synchronous NT service.

NOTE 2:   These services are also supported by the GSM Phase 2 Specifications.

NOTE 3:   In case of UTRAN the user rates 300, 1200, 2400 and 4800 bit/s towards the fixed network can be provided only for mobile terminated calls and only in Async non-transparent (NT) mode.

NOTE 4:   In case of UTRAN the FNURs 9.6, 14.4, 19.2, 28.8 and 38.4 kbit/s towards the fixed network shall be provided only in non-transparent (NT) mode.

NOTE 5:   - void -

NOTE 6:   Only applicable in GSM.

CR-Form-v3

CHANGE REQUEST

| ⌘ | **TS 22.002** | **CR** | **010** | ⌘ **rev** | **-** | ⌘**Current vers** | **4.0.0** | ⌘ |

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Work item code: ⌘	CS Bearers in UMTS	***Date:*** ⌘ 16/02/01
Category: ⌘ C		***Release:*** ⌘ REL-4

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Other comments: ⌘	

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