

Source: TSG S1
Title: Bearer Services
Document for: Approval
Agenda Item: 5.1.3

3GPP TSG-S1 meeting #5 *Document TSGS1#5(99) 659*
 Munich, Germany, 29th Sep – 1st Oct 1999

3G CHANGE REQUEST		<i>Please see embedded help file at the bottom of this page for instructions on how to fill in this form correctly.</i>
22.002	CR 002	Current Version: 3.0.0
3G specification number ↑	↑ CR number as allocated by 3G support team	
For submission to TSG S1#5 <i>list TSG meeting no. here ↑</i>	for approval <input checked="" type="checkbox"/> X for information <input type="checkbox"/>	<i>(only one box should be marked with an X)</i>

Form: 3G CR cover sheet, version 1.0 The latest version of this form is available from: <ftp://ftp.3gpp.org/Information/3GCRF-xx.rtf>

Proposed change affects: USIM ME UTRAN Core Network
(at least one should be marked with an X)

Source: NTT DoCoMo **Date:** 29, Sep. 1999

Subject: PIAFS

3G Work item: Bearer Services

Category:

F Correction	<input type="checkbox"/>	
A Corresponds to a correction in a 2G specification	<input type="checkbox"/>	
B Addition of feature	<input checked="" type="checkbox"/>	X
C Functional modification of feature	<input type="checkbox"/>	
D Editorial modification	<input type="checkbox"/>	

(only one category shall be marked with an X)

Reason for change: To make PIAFS in 22.002 part of UMTS Phase 1 R99 requirements.

Clauses affected: 3.1 General bearer service user data characteristics

Other specs affected:

Other 3G core specifications	<input type="checkbox"/>	→ List of CRs:	
Other 2G core specifications	<input type="checkbox"/>	→ List of CRs:	
MS test specifications	<input type="checkbox"/>	→ List of CRs:	
BSS test specifications	<input type="checkbox"/>	→ List of CRs:	
O&M specifications	<input type="checkbox"/>	→ List of CRs:	

Other comments:

3.1 General bearer service user data characteristics

The tables below describe the characteristics of the General Bearer Services. The indicated fixed network user rates are possible, but support of General Bearer Service does not imply support of all rates.

3.1.1 3,1 kHz Audio

Fixed Network User Rate	Access Structure	Information Transfer Capability	QoS attributes	Note
0.3 kbit/s	Asynch	3,1 kHz	NT or T	note 2
1.2 kbit/s	Asynch, Synch	3,1 kHz	NT or T	notes 1 and 2
1.2/0.075 kbit/s	Asynch	3,1 kHz	NT or T	note 2
2.4 kbit/s	Asynch, Synch	3,1 kHz	NT or T	note 2
4.8 kbit/s	Asynch, Synch	3,1 kHz	NT or T	note 2
9.6 kbit/s	Asynch, Synch	3,1 kHz	NT or T	note 2
14.4 kbit/s	Asynch, Synch	3,1 kHz	NT or T	
19.2 kbit/s	Asynch, Synch	3,1 kHz	NT or T	
28.8 kbit/s	Asynch, Synch	3,1 kHz	NT or T	

NOTE 1: Not applicable to synchronous NT service.

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

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
1.2 kbit/s	Asynch, Synch	V.110	NT or T	note 1 note 2
2.4 kbit/s	Asynch, Synch	V.110	NT or T	note 2
4.8 kbit/s	Asynch, Synch	V.110	NT or T	note 2
9.6 kbit/s	Asynch, Synch	V.110	NT or T	note 2
14.4 kbit/s	Asynch, Synch	V.110	NT or T	
19.2 kbit/s	Asynch, Synch	V.110	NT or T	
28.8 kbit/s	Asynch, Synch	V.110	NT or T	
38.4 kbit/s	Asynch, Synch	V.110	NT or T	
48 kbit/s	Synch	V.110	T	
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.

3.1.3 X.31 Flag Stuffing UDI

Fixed Network User Rate	Access Structure	User Information Layer 1 protocol	QoS Attribute	Notes
2.4 kbit/s	Synch	X.31 Flag Stuffing	NT	note 1
4.8 kbit/s	Synch	X.31 Flag Stuffing	NT	note 1
9.6 kbit/s	Synch	X.31 Flag Stuffing	NT	note 1
14.4 kbit/s	Synch	X.31 Flag Stuffing	NT	
19.2 kbit/s	Synch	X.31 Flag Stuffing	NT	
28.8 kbit/s	Synch	X.31 Flag Stuffing	NT	
38.4 kbit/s	Synch	X.31 Flag Stuffing	NT	
48 kbit/s	Synch	X.31 Flag Stuffing	NT	
56 kbit/s	Synch	X.31 Flag Stuffing	NT	

NOTE 1: These services are also supported by the GSM Phase 2 Specifications.

3.1.4 V.120

Fixed Network User Rate	Access Structure	User Information Layer 1 protocol	QoS Attribute	Notes
1.2 kbit/s	Asynch	V.120	NT	
2.4 kbit/s	Asynch, Synch	V.120	NT	
4.8 kbit/s	Asynch, Synch	V.120	NT	
9.6 kbit/s	Asynch, Synch	V.120	NT	
14.4 kbit/s	Asynch, Synch	V.120	NT	
19.2 kbit/s	Asynch, Synch	V.120	NT	
28.8 kbit/s	Asynch, Synch	V.120	NT	note 1
38.4 kbit/s	Asynch, Synch	V.120	NT	
48 kbit/s	Asynch, Synch	V.120	NT	
56 kbit/s	Asynch, Synch	V.120	NT	note 2

NOTE 1: Requires a new code point in V.120 specification to be defined.

NOTE 2: Not applicable in a 56 kbit/s environment.

3.1.5 Bit Transparent Mode

Fixed Network User Rate	Access Structure	User Information Layer 1 protocol	QoS Attribute	Notes
56 kbit/s	Synch	Bit transparent	T (RDI) (in a 56 kbit/s environment)	
64 kbit/s	Synch	Bit transparent	T (UDI) (in a 64 kbit/s environment)	

3.1.6 PIAFS

<u>Fixed Network User Rate</u>	<u>Access Structure</u>	<u>User Information Layer 1 protocol</u>	<u>QoS Attribute</u>	<u>Notes</u>
<u>32 kbit/s</u>	<u>Asynch</u>	<u>PIAFS</u>	<u>NT</u>	
<u>64 kbit/s</u>	<u>Asynch</u>	<u>PIAFS</u>	<u>NT</u>	