TSGS#15(02)0245

Source:	**SA1**
Title:	**Rel-5 CR to 22.003 on Corrections on ASCI and Fax due to GERAN Iu mode**
Document for:	**Approval**
Agenda Item:	**7.1.3**

SA Doc	Spec	CR	Rev	Phase	Cat	Subject	Old Vers	New Vers	SA1 Doc
SP-020245	22.003	012		Rel-5	F	CR to 22.003 Corrections on ASCI and Fax due to GERAN Iu mode	5.1.0	5.2.0	S1-020889

CR-Form-v4

CHANGE REQUEST

| | ⌘ | **22.003** CR | **012** | ⌘ rev | **-** | ⌘ Current version: | **5.1.0** | ⌘ |

*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 **X** Core Network **X**

Title:	⌘	Corrections on ASCI and Fax due to GERAN Iu mode
Source:	⌘	SA1
Work item code: ⌘	TEI	***Date:*** ⌘ 12.05.2002

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)

Reason for change:	⌘	Clarification to support on GERAN Iu mode on ASCI and FAX.
Summary of change: ⌘		Service requirements (restrictions) introduced for GERAN Iu mode.
Consequences if not approved:	⌘	Unclear requirements.

Clauses affected:	⌘	5, A.1.6, A.1.7

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://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.

5 Bearer capabilities supporting teleservices

According to specification 3GPP TS 22.001 [2] the Bearer Capability defines the technical features of a Teleservice as they appear to the user at the customer access point or an appropriate interface of a fixed network. The Bearer Capability is characterized by information transfer, access and interworking attributes. The same set of attributes as for a Bearer Service is used. A Bearer Capability is associated with every Teleservice.

Table 2: Teleservice categories and Teleservices

Dominant attribute	Category of teleservice		Individual Teleservice		
Type of user in- formation	No	Name	No	Name	
Speech	1	Speech trans- mission	11 12	Telephony Emergency Calls	
Short message	2	Short message service	21 22 23	Short message MT/PP Short message MO/PP Cell Broadcast Service	
Facsimile	6	Facsimile trans - mission	61	Alternate speech and facsimile group 3	T[1] NT[2]
			62	Automatic Facsimile group 3	T[1] NT[2]
Speech	9	Voice Group service[3]	91 92	Voice Group Call Service Voice Broadcast Service	

Note 1: The transparent facsimile services apply to GERAN A/Gb mode of operation only.

Note 2: The non-transparent facsimile services apply to UTRAN only.

Note 3: The Voice Group Services, TS 91 and TS 92 apply to GERAN A/Gb mode of operation only.

A.1.6 Voice Group Call Service

Teleservice 91, Voice Group Call Service						
A T T R I B U T E S	1. HLC	1.1 Type or user Information		Speech		
		1.2 Layer 4 protocol functions		-		
		1.3 Layer 5 protocol functions		-		
		1.4 Layer 6 protocol functions		-		
		1.5 Layer 7 protocol functions		-		
	2. LLC	2.1 Inform transfer	2.1.1 Information transfer capability	speech (digital representation)		
			2.1.2 Information transfer mode	Circuit		
			2.1.3 Information transfer rate	not applicable		
			2.1.4 Structure	not applicable		
			2.1.5 Establishment of connection	demand MO MT		
			2.1.6 Communication configuration	Multipoint		
			2.1.7 Symmetry	bidirectional symmetry		
		2.2 Access at UE	2.2.1 Signalling access		Manual	
			2.2.2 Information access (3GPP TS 22.001)	rate	full rate/half rate	
				interface		
		2.3 Inter-working	2.3.1 Visible network type		PSTN/ISDN/ PLMN	
			2.3.2 National/Internat. interworking		international/national	
			2.3.3 Interface of TE to terminating		2 wire, analogue	4 wire S (B+B+D)	ME
	3. Gen	3.1 Supplementary service provided		3GPP TS 42.068		
		3.2 Quality of service				

Comments:

This service provides for speech conversation of a predefined group of service subscribers in half duplex mode on the radio link taking into account multiple mobile service subscribers involved in the VGCS call per cell. A detailed service description is given in 3GPP TS 42.068 [5].

This teleservice shall only be provided via a GERAN A/Gb mode of operation.

A.1.7 Voice Broadcast Service

Teleservice 92, Voice Broadcast Service						
A T T R I B U T E S	1. HLC	1.1 Type or user Information		Speech		
		1.2 Layer 4 protocol functions		-		
		1.3 Layer 5 protocol functions		-		
		1.4 Layer 6 protocol functions		-		
		1.5 Layer 7 protocol functions		-		
	2. LLC	2.1 Inform transfer	2.1.1 Information transfer capability	speech (digital representation)		
			2.1.2 Information transfer mode	Circuit		
			2.1.3 Information transfer rate	not applicable		
			2.1.4 Structure	not applicable		
			2.1.5 Establishment of connection	demand MO MT		
			2.1.6 Communication configuration	Broadcast		
			2.1.7 Symmetry	Unidirectional		
		2.2 Access at UE	2.2.1 Signalling access		Manual	
			2.2.2 Information access (3GPP TS 22.001)	rate	full rate/half rate	
				interface		
		2.3 Inter- working	2.3.1 Visible network type	PSTN/ISDN/ PLMN		
			2.3.2 National/Internat. interworking	international/national		
			2.3.3 Interface of TE to terminating	2 wire, analogue	4 wire S (B+B+D)	ME
	3. Gen	3.1 Supplementary service provided		3GPP TS 42.069		
		3.2 Quality of service				

Comments:

This service provides for the distribution of speech, generated by a service subscriber, to all or a predefined group service subscribers located in this area. A detailed service description is given in 3GPP TS 42.069 [6].

This teleservice shall only be provided via a GERAN A/Gb mode of operation.