TSG GERAN #1 **TSG GERAN #1 (00)0440**
Seattle, WA, U.S.A
28-1, August/September 2000

Source: Ericsson
Title: Work Item Description for GERAN radio access bearer design
Document for: Decision

Work Item Description

Title

Work Item Description for GERAN radio access bearer design

1 3GPP Work Area

X	Radio Access
	Core Network
	Services

2 Linked work items

- GERAN overall description
- GERAN header adaptation
- GERAN user / control plane
- GERAN RR
- Iu rg
- Voice over GERAN PS and CS concept
- Narrowband speech realization
- GERAN security
- MS Conformance test for GERAN interface evolution
- BTS Conformance test for GERAN interface evolution

3 Justification

The GERAN work item will provide a platform to provide the four UMTS bearer classes: conversational, streaming, interactive and background. This includes IP end to end voice and multimedia services and provides the possibility to connect the 200kHz radio access to a 3G core network.

4 Objective

The GERAN work item will provide:

- IP Multimedia (real-time end-to-end IP)
- Alignment with UMTS/UTRAN architecture, bearer services and QoS handling
- Spectrum efficiency and performance improvements (multiplexing scenario 1-2 as described in the system concept document)
- Specification flexibility for future enhancements

5 Proposed building blocks and work tasks:

Building Block	Work Task
Radio access bearer design	MuM control signalling for conversational multimedia services. • Identification of requirements

6 Service Aspects

Services provided to UTRAN will be provided by GERAN.

7 MMI-Aspects

None

8 Charging Aspects

None

9 Security Aspects

The same or at least similar security will be provided as for UTRAN.

10 Impacts

Affects:	SIM	ME	AN	CN	Others
Yes		X	X		
No	X				
Don't know				X	

11 Expected Output and Time scale (to be updated at each plenary)

The time plan for this work item is documented in 50.099 (GERAN project plan)

12 Work item raporteurs

Ericsson – Frank Mueller

13 Work item leadership

TSG GERAN

14 Supporting Companies

Alcatel, AT&T, Ericsson, Lucent, Nokia, Motorola, Nortel, Siemens

15 Classification of the WI (if known)

	Feature (go to 15a)
X	Building Block (go to 15b)
	Work Task (go to 15c)

15a The WI is a Feature: List of building blocks under this feature

15b The WI is a Building Block: parent Feature

GERAN radio interface evolution

15c The WI is a Work Task: parent Building Block

(one Work Item identified as a building block)