

**Source:** Rapporteur  
**Title:** Modified WI GP-00-00478: GERAN/UTRAN interface evolution 2  
**Document for:** Decision

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### Work Item Description

#### Title

GERAN/UTRAN interface evolution 2

#### 1 3GPP Work Area

X	Radio Access
	Core Network
	Services

#### 2 Linked work items

This work item is an independent feature

#### 3 Justification

Since the transition to IP multimedia services will not happen immediately, operators may need to support both traditional mobile circuit switched services and IP multimedia services simultaneously. IP multimedia services can only be delivered via the IM Subsystem of the PS domain within the GSM-UMTS Core Network (CN). The ability to offer both CS and PS services via a common GSM-UMTS CN allows low-risk evolution from current networks, while enabling an operator to have full service offering.

In order to connect GERAN to the 3G core network the lu cs interface might have to be modified slightly in order to cover GERAN specific issues.

#### 4 Objective

The main objective is to keep the lu cs in it's current state as it is. However, if changes are needed they should be kept at a minimum.

In order to achieve this

- Requirements from GERAN on the current lu cs have to be analysed
- Updates to relevant specifications have to be done if necessary

**5 Proposed features, building blocks and work tasks:**

Feature	Building Block
GERAN/UTRAN interface evolution	Evolution of Iu cs

**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 rapporteurs**  
Marc Grant, SBC

**13 Work item leadership**  
TSG GERAN

**14 Supporting Companies**  
Ericsson, Nokia, Nortel, Motorola, SBC,

**15 Classification of the WI (if known)**

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

15a The WI is a Feature:

- Evolution of the Iu cs

15b The WI is a Building Block: parent Feature

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