

# 3GPP TSG GERAN Ad-Hoc on GAN Enhancements

Sophia Antipolis, France, 08-09 January, 2007  
Chairman's summary

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	Monday	Tuesday	Wednesday	Thursday	Friday
8 am					
9 am	Objectives	Tech. work			
10 am	Coffee	Coffee			
11 am	Objectives	Tech. work			
12 pm	Lunch	Lunch			
1 pm	Objectives	Tech. work			
2 pm					
3 pm	Coffee	Coffee			
4 pm	Tech. work	Tech. work			
5 pm					
6 pm					
7 pm					
8 pm					

# Objectives

GERAN#33  
GP-070158

- Proposed objectives (S1-061199) reviewed and agreed in [GANE-07038](#)
  - To be submitted for approval at GERAN#33
- Two categories of enhancements to be investigated
  - a) Forward compatible from Rel-6 GAN i.e. legacy GAN handsets will benefit from the enhancements – no new terminals needed
  - b) Not forward compatible from Rel-6 & Rel-7 GAN i.e. legacy GAN handsets will not benefit from the enhancements – new terminals needed
- During discussions some potential general improvements were highlighted
  - GAN specific QoS Management on Up interface: to be investigated
  - Techniques to minimize MS power consumption: to be investigated
  - ➡ To be handled independent of the feasibility study

# GAN A/Gn proposals

- **Rationale**

- CS unchanged – A interface
- Enhancements in the PS domain only – No Gb

- **Two proposals**

- Network-only proposal not impacting handsets, not needing any standardization activity i.e. network implementation only
    - See GANE-07004 (and GANE-07033)
  - Proposal impacting networks and handsets
    - See GANE-07006 to GANE-070022; GANE-07031, GANE-07032
- ➡ No agreement – More work needed – Offline discussions encouraged

# GAN Iu proposals

- **Rationale**

- Iu connectivity to GAN: "GAN" for UMTS
- GAN A/Gb unchanged – Changes however not precluded

- **Two Proposals**

- Primary difference: GTP-U termination in PS U-Plane: GANC vs. MS
- GTP-U Termination in the MS
  - See GANE-07002, GANE-07024 to GANE-07028, GANE-07035
- GTP-U Termination in the "Enhanced GANC"
  - See GANE-07023
- Both proposals impacting networks and handsets
- ➡ No agreement – More work needed – Offline discussions encouraged

# General

- GAN Enhancements are **not** replacements of GAN (A/Gb)
  - Meant to co-exist in the standard with GAN A/Gb as of 3GPP Rel-x
  - Enhancement features are **not** mandatory
- An Iu-cs / Gn alternative was briefly raised – input needed as appropriate

# Future meetings

• GERAN2#33	12 – 16 February 2007	Seoul, South Korea
• GERAN2#33bis	26 – 30 March 2007	Montreal, Canada
• GERAN #34	14 – 18 May 2007	Shenzhen, China
• GERAN2#34bis	25 – 29 Jun 2007	Póvoa de Varzim, Portugal
• GERAN #35	27 – 31 August 2007	Dublin, Ireland
• GERAN2#35bis	08 – 12 Oct 2007	Sophia Antipolis, France
• GERAN #36	12 – 16 November 2007	TBD, USA