

3GPP TSG GERAN Ad-Hoc on GAN Enhancements

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

Guillaume SÉBIRE (Nokia-TP/Helsinki)

Monday **Tuesday** **Wednesday** **Thursday** **Friday**

8 am

9 am

10 am

11 am

12 pm

1 pm

2 pm

3 pm

4 pm

5 pm

6 pm

7 pm

8 pm

Objectives

Coffee

Objectives

Lunch

Objectives

Coffee

Tech. work

Tech. work

Coffee

Tech. work

Lunch

Tech. work

Coffee

Tech. work

Objectives

- 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