

3GPP TSG GERAN2#36bis

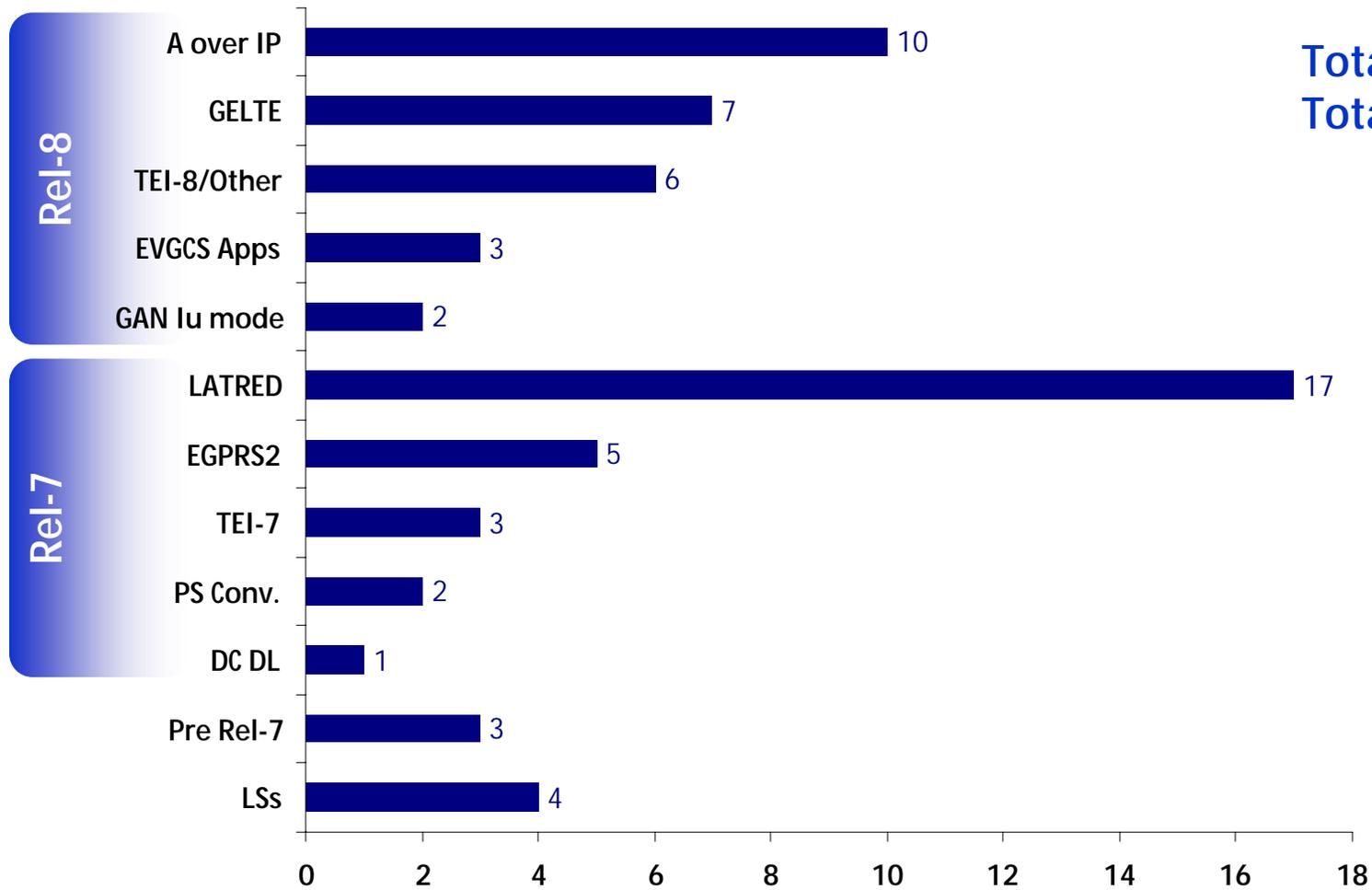
Ljubljana, Slovenia, 14 – 17 January, 2007

Chairman's summary

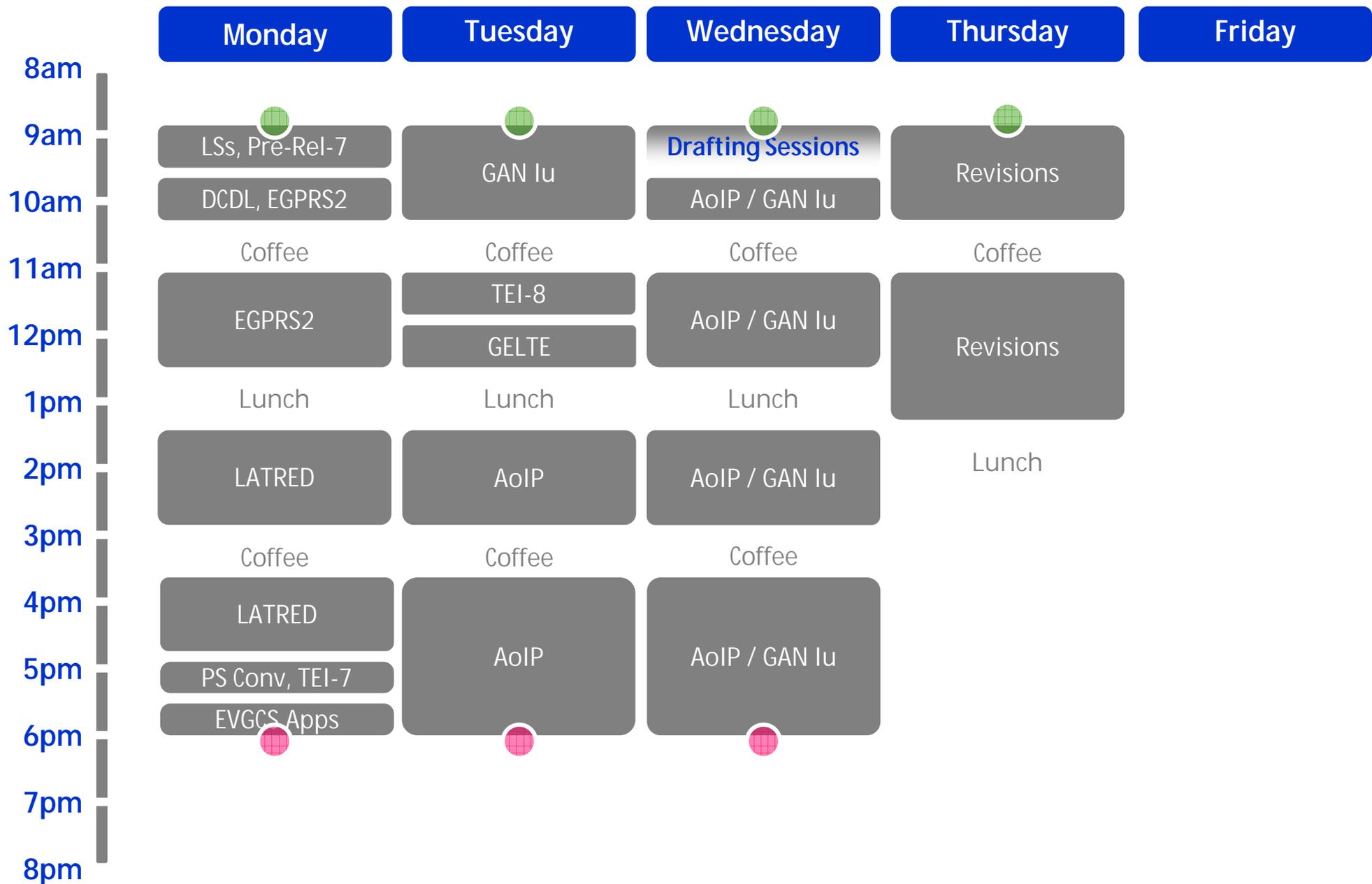
Chairman: Guillaume SÉBIRE (Nokia-Devices/Helsinki)

Secretary: Gert THOMASEN (MCC)

Incoming Contributions per Agenda Item



Total (Start): 62
Total (End): 117



Pre Release 7 Corrections

- **G2-070048, G2-070049, G2-070050** CRs 44.060 approved (Rel-5+): CSN.1 correction in EGPRS PACKET DOWNLINK ACK/NACK message, Rel-5 extension

Rel-7 – DTM Handover

- None

Rel-7 – VGCS Enhancements

- None

Rel-7 – Dual Carrier Downlink

- **G2-080042** CR 44.060 postponed: Suspension of use of second carrier during control message transmission
 - Proposal to allow the network to stop dual-carrier transmission to a DARP Ph II MS while segmented control messages are sent to that MS, to enable the use of Rx Div for receiving these messages
 - Indication in the RLC/MAC header of every segment was suggested
 - Functional modification of feature
 - Concerns raised on
 - Actual performance improvement
 - Potential impact to link quality measurements
 - Need for this proposal
 - Discussion paper will be submitted at GERAN#37

Rel-7 – RED HOT / HUGE

- **G2-080003** Proposal to change EGPRS2 Timeslot Link Quality Reporting
 - *From* the mostly used modulations on all allocated timeslots, measured per timeslot (as is currently specified) *to* the mostly used modulation per timeslot, measured per timeslot
 - Concerns raised on the proposal
 - Justification missing to change existing mechanism: Issue seems to be MS implementation-related and not Link Adaptation-related
 - GERAN1 discussion needed
 - **G2-080065** CR 44.060 Postponed
 - **G2-080006** Draft CR 45.008 Noted
- **G2-080098** CR 44.060 postponed
 - Proposal to include rules for reporting LQ measurements in EGPRS2 when the MS has received the same highest number of blocks for different modulations: priority given to higher order modulations
 - Discussion to be raised in GERAN1
- **Clarification of modulation and coding schemes**
 - Consistent definitions of modulation and coding schemes across GPRS, EGPRS, EGPRS2
 - **G2-080099** CR 43.064 endorsed
 - **G2-080064** CR 44.060 approved

Rel-7 – Latency Enhancements (1/4)

- **General**

- **G2-080051** CR 44.060 approved: misc. CSN1 corrections
- **G2-080100** CR 44.060 approved: Correction to assignment messages
 - Note that whether CS1/MCS0 is used in RTTI configuration RTTI USF mode need not be signalled to an MS, while stealing flags detection can be used
- Proposal in G2-080018 to support RLC NPM support if Reduced Latency is supported by an MS: to be investigated, some MS vendors not ready to accept this

- **One-Phase Access support for EGPRS2 and LATRED**

- GERAN2#36 conclusions that
 - Crucial to provide indication of LATRED support at random access to allow the use of one phase access for RTTI which requires specific timeslot allocations
 - Need for indication of EGPRS2 support FFS while it is not seen essential when already knowing the EGPRS capability (i.e. added benefits questioned)
 - Indication of LATRED (and/or EGPRS2) support at one phase access prevents indicating the Multislot Class unless random bits are reduced
 - Fix needed in Rel-7
- Revised proposal in **G2-080018**
 - Only LATRED support is indicated at OPA
 - Some concerns raised with the MS Tx capability (3 bits) indication while it would not allow the network to know the MS reaction times: more investigation needed
 - **G2-080019, G2-080020** CRs 44.060, 44.018 postponed

Rel-7 – Latency Enhancements (2/4)

- **(TB)FANR**

- **G2-080101, G2-070071** CR 44.018 approved: misc. CSN1 corrections for FANR
- **G2-080072** CR 44.060 approved: misc. CSN1 corrections for FANR
- **G2-080102** CR 44.018 approved (mirror of approved GP-071982)

- **PAN Robustness**

- Issue raised at GERAN#36 in GP-071759 addressed the detection of and recovery from undetected PAN errors
- Two proposals seen in G2#36bis – both attempt at introducing fixes in RLC protocol and avoid any L1 changes
 - G2-080021 proposed to move V(A) based on reception of PUAN/PDAN message. Fix the problem by "changing" RLC ack mode operation altogether
 - G2-080043 noted: fix the problematic cases when/if they occur
 - **G2-080044** CR 44.060 postponed
 - More investigation needed. Conclusion expected at GERAN#37

Rel-7 – Latency Enhancements (3/3)

- RTTI

- **G2-080022** CR 43.064 postponed: Clarification of the use of CS1/MCS-0 for RLC/MAC block for control message transfer
- **G2-080074** CR 44.060 approved: correction for MCS-0 block format
- **G2-080075** CR 44.060 approved: Clarification of the PDCH release procedure when TBF in RTTI configuration is affected:
 - if a PDCH of a PDCH-pair is released, the whole PDCH-pair is released
- **G2-080026** Draft CR 45.010 endorsed: Radio Block Specific Reaction Times for RTTI, to be seen in GERAN1

- **G2-080052** Noted: proposal to update the CSN.1 syntax of BTTI/RTTI Assignments
 - To avoid as far as possible structures and loops of which the sizes are defined in CSN.1 comments (*-- comments*); and
 - To provide instead explicit termination points as part of the CSN.1 itself
 - Companies invited to review and comment the proposal for GERAN#37
 - Will be raised on the GERAN2 reflector

Rel-7 – PS Conversational

- **G2-080077** CR 44.060 approved: Definition of the rules for TBF Release in RLC NPM (uplink and downlink)
- **G2-080116** CR 44.060 approved: corrections of V(R) and V(Q)
 - Ambiguity with RLC NPM removed: detection of missing data blocks and no longer expected data blocks
 - Misc. Inconsistencies removed

Rel-7 – PS HO GAN ↔ GERAN/UTRAN

- None

Rel-7 – A-GNSS

- None

Rel-7 – LCS Enhancements for LBS

- None

Rel-7 – A-GPS Minimum Performance Requirements

- None

Rel-7 – TEI-7

- **G2-080079** CR 48.016 approved: Usage of pre-configured endpoints and load sharing
 - The possibility for the BSS to initiate auto-configuration procedures in sending SNS-SIZE and SNS-CONFIG PDUs to the SGSN before the configuration procedure is completed is not explicitly stated in the specification for pre-configured endpoints
 - Inconsistencies with which SDUs/PDUs to consider for load-sharing
- **G2-080103, G2-080104** CRs 48.008 approved: definition of rules for inclusion of the Circuit Identity Code (CIC) in VGCS/VBS Assignment Result / Request messages
- **GAN**
 - **G2-080059** Clarification of AMR TOC during DTX
 - Different variants identified to format the AMR table of content (RFC3267) during DTX in GAN
 - Proposal to harmonize the use of the variants between GAN MS and GANC (MGW)
 - More investigation needed
 - Companies invited to provide comments offline

Rel-8 – GAN Iu mode

- **G2-080083** Draft CR 44.318 noted without presentation
 - Outcome of GAN Iu mode drafting session
 - To be sent on the reflector
- **G2-080029** Proposals for the MS to indicate whether it prefers to use GAN A/Gb or GAN Iu at PLMN selection
 - Not agreed
 - CT1 asked to check whether the proposal violates the PLMN (w/ access technology) selection rules or not
 - LS to CT1 in **G2-080113**

Rel-8 – GERAN/E-UTRAN Interworking (1/2)

- **Fallback to CS Domain**

- Fallback to CS domain in EUTRAN>GERAN interworking relies on Inter-domain Handover within GERAN following Domain Transfer procedures specified in 23.206

- **Interdomain Handover (TEI-8)**

- GERAN#36
 - Interdomain handover within GERAN: outside the scope of LTE hence TEI-8
 - stage 2 and stage 3 CRs approved *conditionally* except 44.018: condition not met in closing plenary

- **G2-080114** CR 43.129 endorsed

- **G2-080031** CR 44.060 approved (conditionally to stage 2 approval)

Assumption:

- **G2-080086** CR 48.018 approved (conditionally to stage 2 approval)

Call is anchored to VCC AS

- **G2-080087** CR 44.018 approved (conditionally to stage 2 approval)

- **G2-080032** Draft CR 24.008 endorsed (conditionally to stage 2 approval)

- BSS shall have the knowledge whether a voice call to be handed over (interdomain handover) is a VCC call or not. How this knowledge is obtained is FFS: stated in stage 2 CR

- LS sent to SA2 in **G2-080115** to clarify this further

Rel-8 – GERAN/E-UTRAN Interworking (2/2)

- **PS Handover between GERAN and E-UTRAN**
 - **G2-080092** noted: proposed skeleton and principles to introduce PS Handover between GERAN and EUTRAN in 43.129
 - To be reviewed by TSG GERAN

Rel-8 – VGCS Enhancements for VGCS Apps

- **G2-080041** CR 44.018 approved: VGCS Application data corrections
- **G2-080047** CR 44.018 approved: Correction to Data Identity IE description
- **G2-080063** CR 44.018 approved: Incorrect Channel Request cause for short application data

U-TDOA Enhancement – Rel-8

- None

Rel-8 – TEI-8 (1/2)

- **G2-080078** CR 48.018 approved correction of incorrect reference to feature bitmap
- **GAN**
 - **Enhancement of GAN Keep-alive mechanisms**
 - Proposal in G2-080082 to avoid keep alive signalling during some ongoing signalling transaction between MS and GANC
 - GERAN#36:
 - Wrong settings of the Keep Alive Timer in the MS (T3906) by the GANC could yield inefficient signalling (hence battery drain) in the handset
 - However the currently specified signalling is inefficient
 - There is no GANC behaviour defined for Keep Alive mechanism
 - Some GANCs do use Keep-Alive mechanism
 - Gains to be clarified
 - Idle mode
 - "Connected mode": gains wrt ongoing traffic to be quantified (e.g. 10 messages saved in 1 hour vs the traffic taking place in that hour)
 - MS capability indication and GANC indication for the MS to use this is needed
 - No agreement yet

Rel-8 – TEI-8 (2/2)

- **GAN**

- **G2-080027** Supplementing GAN Registration Update with UARFCN

- GERAN#36 endorsement to use UARFCN to identify the UTRAN serving cell for Registration Request (MS>GANC) and Registration Accept (GANC>MS (+ Primary Scrambling Code): Now confirmed by RAN2 perspective (LS from RAN2 in G2-080095)
- Proposal to also have the UARFCN for Registration Update
- Draft CR 43.318 noted

Rel-8 – FS on A interface over IP

- **SA2 confirmed** the possibility to change the BSS/CN functional split to allow removing transcoders from the BSS
- **Time alignment**
 - Proposal and evaluation to be included in the TR
 - Use of time-alignment FFS
 - Not a show-stopper for AoIP
 - **G2-080111** Draft CR 43.903 noted: to be reviewed offline
 - Telco to be scheduled
 - GERAN2 agreement that if endorsed in offline discussions it will be included in the next version of the TR for GERAN#37
 - **G2-080105** Time alignment and jitter to be reviewed offline
- **G2-080076** GERAN#36 decision to use RFC profile recommended by ITU-T (TS 101 138)) for user plane, however RFC HR profile from ITU-T is not yet reflected in RFC3551
 - GERAN2 decision that RFC HR profile designed by ITU-T for user-plane is to be used as the packetization method of HR
 - GERAN2 decision to append HR profile into RFC3551 (IETF Responsibility)
- **Agreed updates to 43.903**
 - **G2-080035** endorsed: update of requirements
 - **G2-080090** endorsed: update to subclause 5.2.3 (Compressed speech over IP)
 - **G2-080109** endorsed: update to clause 3 (Definitions)
 - **G2-080093** endorsed: update to subclause 5.2.4 (Deployment scenarios)
 - Updated TR to be made available at least 2 weeks prior GERAN#37
- **G2-080110** endorsed Working Assumptions and remaining open issues

Rel-8 – Other

- None

AOB

- None

Outgoing LSs

- **G2-080112** LS to SA2, SA1, GERAN, GERAN1 cc RAN2, RAN3, CT1, SA3 on Reply LS on Earthquake and Tsunami Warning System
- **G2-080113** LS to CT1 on PLMN Selection Function with GAN-Iu Mode
- **G2-080115** LS to SA2 on the introduction of interdomain Handover

Future meetings

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|--------------------|-------------------------------|---------------------------|
| • GERAN2#37 | 19 – 21 February 2008 | Seoul, South Korea |
| • GERAN2#37bis | 31 March – 3 April 2008 | Sophia Antipolis, France |
| • GERAN#38 | 13 – 15 May 2008 | Malaga, Spain |
| • GERAN2#38bis | 24 – 27 June 2008 | Xian, China |
| • GERAN2#39 | 26 – 28 August 2008 | Florence, Italy |
| • GERAN2#39bis | 30 September – 3 October 2008 | TBD |
| • GERAN2#40 | 17 – 21 November 2008 | TBD |