

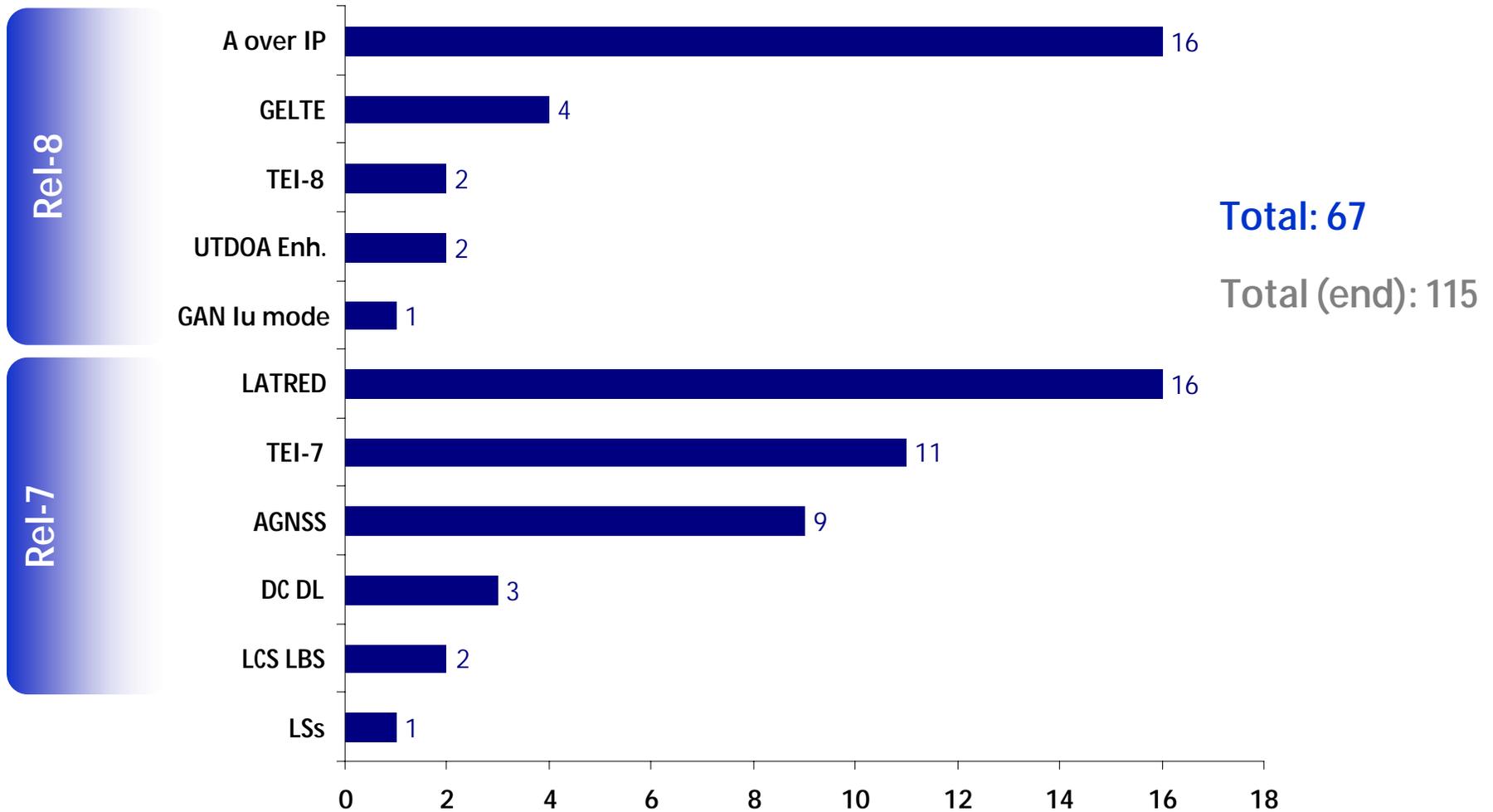
3GPP TSG GERAN2#35bis

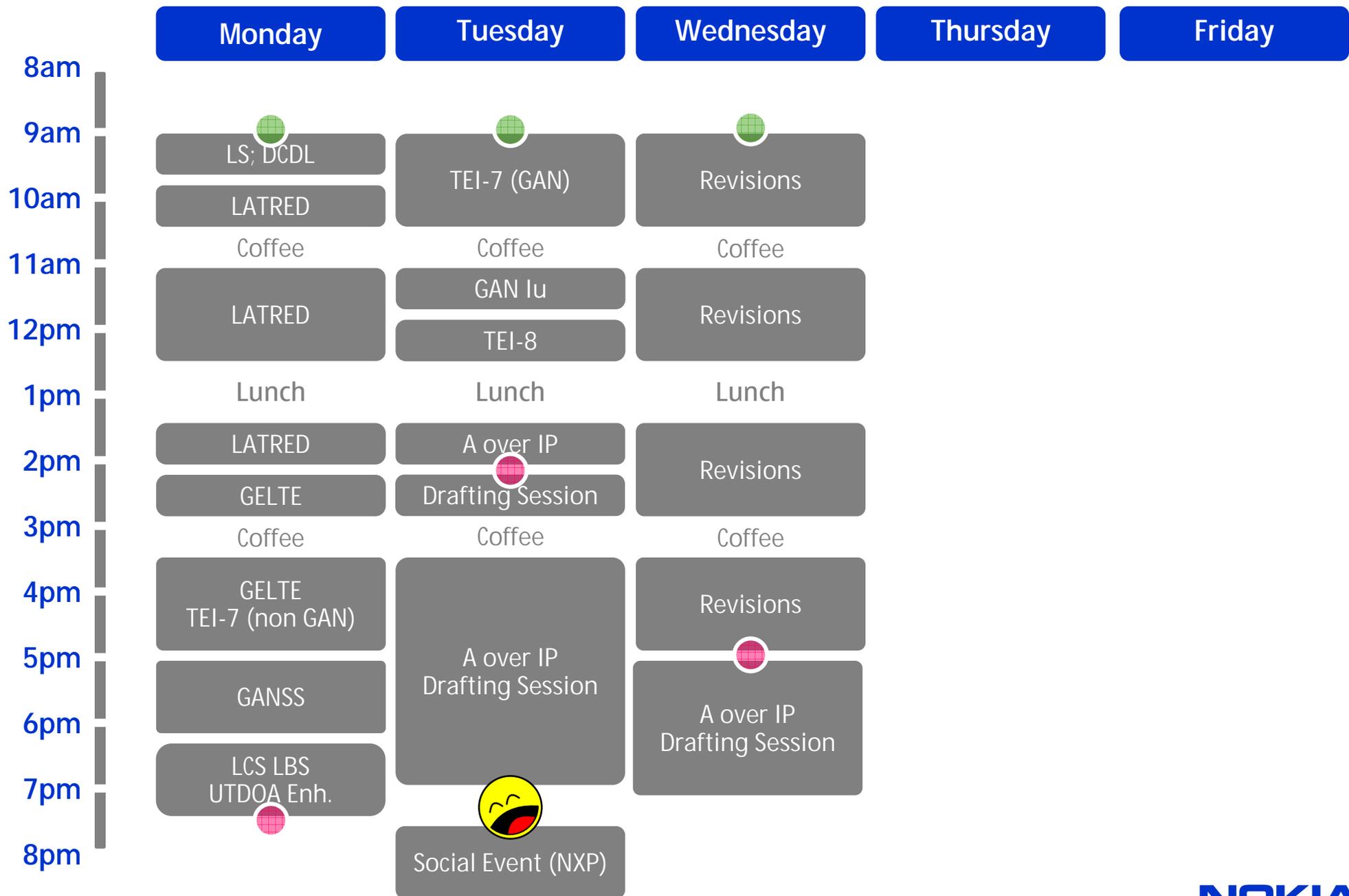
Sophia Antipolis, France, 08 – 10 October, 2007

Chairman's summary

Guillaume SÉBIRE (Nokia-TP/Helsinki)

Incoming Contributions per Agenda Item





SA3 issue on Algorithm Change [G#31]

- Pending: Review if any changes are needed to our specifications due to the introduction of UEA2/UIA2 and the inferred algorithm change at inter RAT Handover (see GP-061526)

Pre Release 7 Corrections

- None

Rel-7 – DTM Handover

- None

Rel-7 – VGCS Enhancements

- None

Rel-7 – Dual Carrier Downlink

- Packet Assignment Messages – General
 - Proposed optimization of coding of assignment messages now all GERAN Evolution features have been specified, in G2-070319
 - **G2-070368** CR 44.060 postponed: more time requested to double-check the proposal, in particular the required coding needed vs. legacy when only dual-carrier is used
- **G2-070323** CR 44.060 postponed: Clarification of the use of EGPRS PDAN Type 2 message

Rel-7 – RED HOT / HUGE

- None

Rel-7 – Latency Enhancements (1/3)

- General

- Naming inconsistencies

- Misleading usage of "Reduced Latency", "RL TBF mode", "[RL] EGPRS TBF mode", "[RL] EGPRS2 TBF mode", "[B/R]TTI configurations": need to be fixed

- **G2-070272** CR 43.064 noted

- **G2-070338** CR 44.060 postponed

- **G2-070339** CR 44.018 approved

- **G2-070273, G2-070296** CRs 45.010 seen for information

- §6.11.5 was introduced in the wrong place in the specification; other editorials

- **G2-070324** CR 44.060 approved: general clean-up

- **G2-070295** CR 45.010 noted: MS reaction times for Packet Uplink Ack/Nack message

- Proposal to align the MS reaction time for Packet Uplink Ack/Nack (PUAN) message to the ones specified for PAN

- Concerns raised that more tasks are covered by PUAN (e.g. change of MCS for which specific reaction times are specified) and therefore the requirement is more stringent on the MS than it is for PAN

- More time needed to investigate the proposal

Rel-7 – Latency Enhancements (2/3)

- (TB)FANR

- **G2-070347** CR 44.060 approved: mandatory TFI field in the PAN field
 - Valid TFI value (≠ “00000”) mandatory for SSN-based PAN in downlink, and for SSN-based PAN in uplink in case of MTBF only
 - TFI field set to “00000” otherwise
 - Corresponding CR to 45.003 endorsed in **G2-070313**
 - It was clarified that on a given DL timeslot, both Time-based PAN and SSN-based PAN can be used by the network provided no SSN-based PAN uses TFI=“00000”. MS behaviour is determined as per its TBF assignment
- **Time-based FANR**
 - **G2-070364** CR 44.060 approved: Clarification on generation and interpretation of time-based encoded PAN fields
 - Defines that PAN fields sent in BTTI (respectively RTTI) blocks correspond to UL TBFs in BTTI (respectively RTTI) configurations
 - MS only to derive information for BTTI (respectively RTTI) TBFs in PAN fields received in BTTI (respectively RTTI) blocks
 - **Coding of TB PAN**
 - Proposal to use Huffman coding for PAN in G2-070337 requires further evaluation, in particular performance evaluation was requested
 - Corresponding **G2-070336** CR 44.060 postponed

Latency Enhancements (3/3)

- RTTI

- Evaluation of channel coding for RTTI RLC/MAC Control Blocks (“MCS-0”) in G2-070316
 - Will be further evaluated until/at GERAN1#36

Rel-7 – PS Conversational

- None

Rel-7 – PS HO GAN ↔ GERAN/UTRAN

- **GERAN#35:**

- **GP-071219** CR 44.060 Postponed: Optimization of PS handover from GERAN-UTRAN to GAN mode
 - Proposal to Allow the MS to use the GA-PSR Transport Channel assigned by the GANC to which it registered if it fails to receive a PS Handover Command message at expiry of T3208
 - Proposal questioned by a number of companies. Further work needed for GERAN2#35bis
 - If the proposal is introduced: 43.129, 43.318, 44.318 will also be impacted

Rel-7 – A-GNSS (1/2)

- Bit-efficient extended orbit information
 - NOTE: GERAN#35 endorsement of the approach to use, with a disclaimer to address validity check for the ephemeris (i.e. allow the MS to verify the validity of the long term ephemeris)
 - **G2-070353** CR 44.031 postponed
 - More time was requested to study the CR until GERAN#36
 - **GP-070357** CR 49.031 postponed
- Companies expected to progress offline before GERAN#36

Rel-7 – A-GNSS (2/2)

- Misc CRs

- **G2-070276** CR 44.031 postponed
 - It is not possible right now to identify all satellites for GANSS
 - Proposal to remove the current SV_ID mask and use instead specific 6-bit SV_IDs for each satellite included in the GANSS almanac model: this proposal is deemed more efficient than extending the SV_ID mask, however further investigation is needed
- **G2-070277** CR 44.031 approved: Various Corrections to GANSS Measurement Information Element
- **G2-070318** CR 48.031 approved: allow the usage of Galileo as source of time reference
 - Follow-up to 44.071 CR approved in GERAN#35 (GP-071470)
- **G2-070373** CR 44.031 approved: Correction of the Galileo orbit eccentricity range to [0 , 0.5] (instead of [0 , 0.002])

Rel-7 – LCS Enhancements for LBS

Bit-efficient extended orbit information for GPS

- **G2-070374** CR 44.031 postponed

Rel-7 – A-GPS Minimum Performance Requirements

- None

Rel-7 – TEI-7

- **G2-070297** CR 44.060 rejected: clarification of DTM Class 11 assignment
 - Discussion already took place in GERAN#24 (GP-050631) and a conclusion reached that the only allowed 2+3 configuration for DTM Multislot Class 11 is
DL: PS on TN_x , CS on TN_{x+1}
UL: PS on TN_x , CS on TN_{x+1} , PS on TN_{x+2}
- **G2-070351, G2-070352** CR 44.018 approved: Rel-7 clean-up
- **GAN**
 - **G2-070298** CR 44.318 approved: Network QoS is described to also apply for GA-RC protocol messages
 - **G2-070299** CR 44.318 approved: introduction of a new GAN Release codepoint for Rel-7 given some of the signalling defined in Rel-6 is handled differently in Rel-7 (see GP-071450: Addition of GA-PSR State in GA-RC SYNCHRONISATION INFORMATION message in Rel-7).
Note it does *not* infer any feature capability support, other than the basic GAN reference

Rel-8 – GAN Iu mode

- **G2-070329** Draft CR 43.318 to introduce GAN Iu
 - Telco to take place prior GERAN#36 to review the proposal in details

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

- Fallback to CS Domain
 - Working assumption
 - Fallback to CS decision lies in GERAN (/UTRAN)
 - Fallback to CS to occur when the MS is in GERAN (/UTRAN): i.e. not relying on scenario 1 (i.e. CS Handover)
 - Seamless PS > CS domain change achieved through parallel PS and CS resources (i.e. MS in DTM in GERAN) until CS call is established
 - Seamless mobility E-UTRAN > GERAN relying on PS Handover; Compatibility with SR VCC required
 - PS Handover including GERAN CS resource reservation during the PS Handover preparation phase and provision of both PS and CS resources to the MS at PS Handover execution phase. Mechanism used at E-UTRAN to GERAN handover. When in GERAN, MS is in DTM, until domain transfer is successfully completed in which case the MS enters RR dedicated mode
 - *Should any change occur in SAE/SR VCC that would impact the above principles, revision of the working assumption based on these principles will be needed*
 - **G2-070366, G2-070350** CRs 43.129, 44.060 noted:
 - BSS allocation of CS resources (during ongoing PS call) to allow domain transfer change: MS ordered to move the voice component of the ongoing PS connection to CS resources once the CS resources are successfully established (Main signalling link established)
 - Proposed changes in 43.129 are endorsed
 - 48.018 may be impacted
 - Terminal support need to be investigated
 - LS to SA2 in G2-070379

Rel-8 – VGCS Enhancements for VGCS Apps

- None

U-TDOA Enhancement – Rel-8

- **G2-070369** CR 43.059 endorsed: Introduction of the power-up procedure
- **G2-070376** CR 48.071 approved: Introduction of the power-up procedure

Rel-8 – TEI-8 (1/2)

- GAN
 - G2-070340 proposal that Upon GANC Registration Reject, the MS may trigger cell re-selection or PLMN reselection: would violate current requirements not to affect PLMN (re)selection, while the highlighted problem (no access to a given MCC) can be already addressed with existing tools in the standard through appropriate network configuration (e.g. prevent access to given PLMN(s))
 - G2-070341 proposal to maintain PLMN continuity when entering/leaving GAN mode. Concerns raised on the proposed text vs existing text, however no disagreement with the intention of the proposal. CR expected at GERAN#36, if new text is needed
 - G2-070342 proposal to "Migrate Manual PLMN Selection to GAN Stack". Offline discussions needed as to whether any change is necessary. However it is clear that a manually selected PLMN cannot be overruled by the GANC
 - G2-070343 proposal that if after GAN registration, NAS registration rejection occurs (e.g. LAU reject) MS should deregister from the Serving GANC. Wrong GANC configuration in that case: successful GAN registration but being denied NAS registration should not happen if the GANC is properly configured
 - G2-070344 proposal to add MS requirement to re-register to the serving GANC after having obtained the PLMN list from the default GANC (for the case of manual PLMN selection or "User reselection"). More work needed. CR expected at GERAN#36

Rel-8 – TEI-8 (2/2)

- [VGCS] Short application-specific data functionality (Note: functionality added in GERAN#35)
 - G2-070267 CR 48.008 approved
 - G2-070268 CR 44.018 approved
 - [CT1] 43.068 need to be updated to remove the 4-octet length limitation of the application data field of the Short Application Data IE that is currently indicated there, given it is a stage 3 detail not relevant for stage 2: not a key principle of the mechanism itself

Rel-8 – FS on A interface over IP

- [G2-070375](#) Requirements endorsed by GERAN2
- [G2-070359](#) Draft TR skeleton endorsed by GERAN2
- A number of papers have been contributed:
 - Architecture: G2-070282, G2-070284, G2-070283, G2-070332, G2-070325
 - Call Control: G2-070286, G2-070333
 - Handover: G2-070285, G2-070307
 - Codec Negotiation: G2-070281, G2-070288, G2-070308
 - Transport Protocols: G2-070287, G2-070310
 - Impact on TRAU frames: G2-070309
- Most papers could not be reviewed during the meeting due to lack of time
- Companies expected to progress offline prior GERAN#36

Rel-8 – Other

- None

AOB

- None

Outgoing LSs

- **G2-070379** LS to SA2 cc GERAN, RAN2, RAN3, CT1, CT4 on Introduction of Inter-Domain Handover

Future meetings



- GERAN2#36 12 – 16 November 2007 Vancouver, Canada
- GERAN2#36bis 14 – 17 January 2008 TBD
- GERAN2#37 19 – 21 February 2008 Seoul, South Korea
- GERAN2#37bis 31 March – 3 April 2008 TBD
- GERAN#38 13 – 15 May 2008 Malaga, Spain
- GERAN2#38bis 24 – 27 June 2008 TBD
- GERAN2#39 26 – 28 August 2008 Florence, Italy
- GERAN2#39bis 30 September – 3 October 2008 TBD
- GERAN2#40 17 – 21 November 2008 TBD