

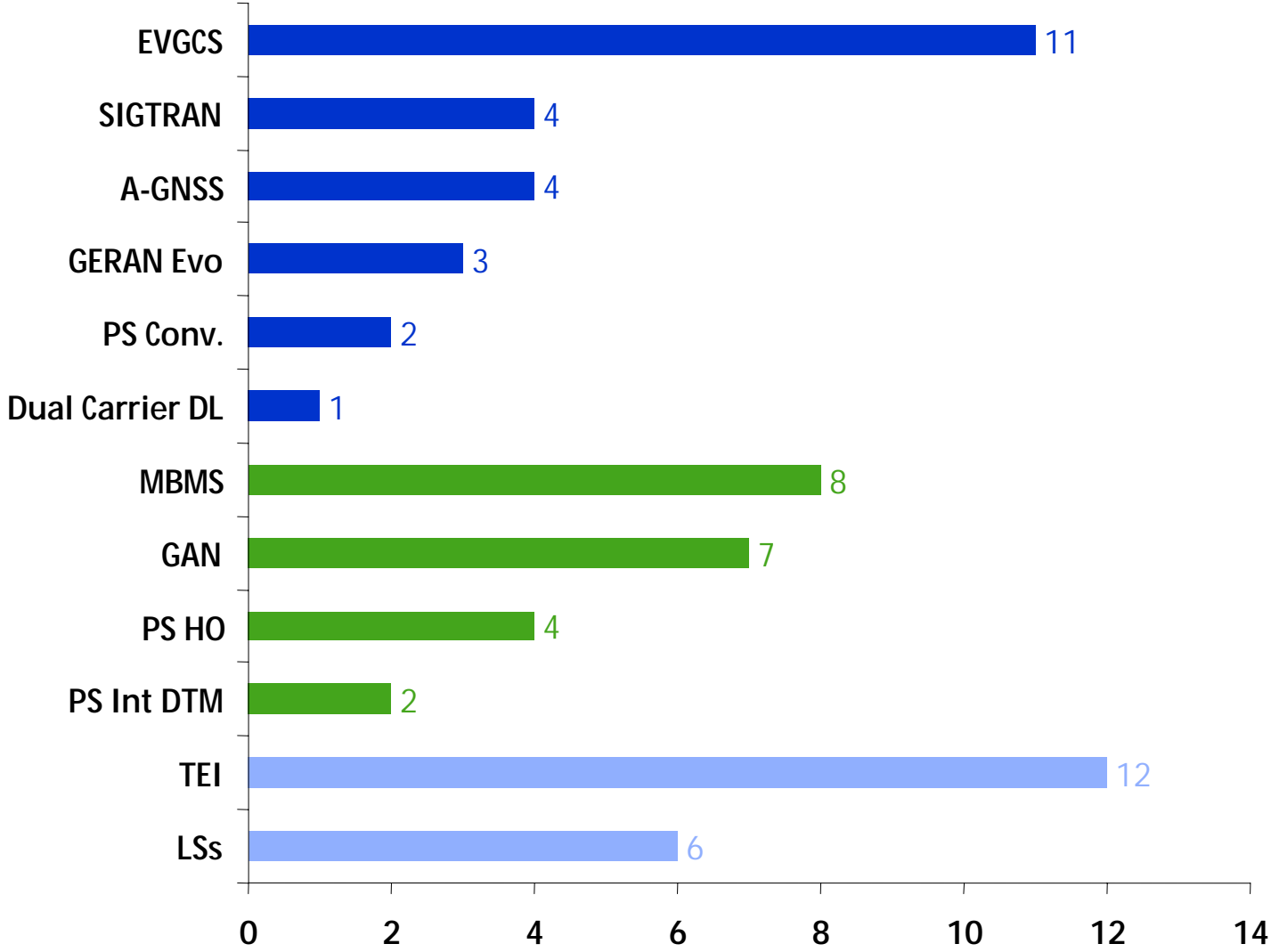
# 3GPP TSG GERAN2#28bis

Paris, 21-24 March, 2006

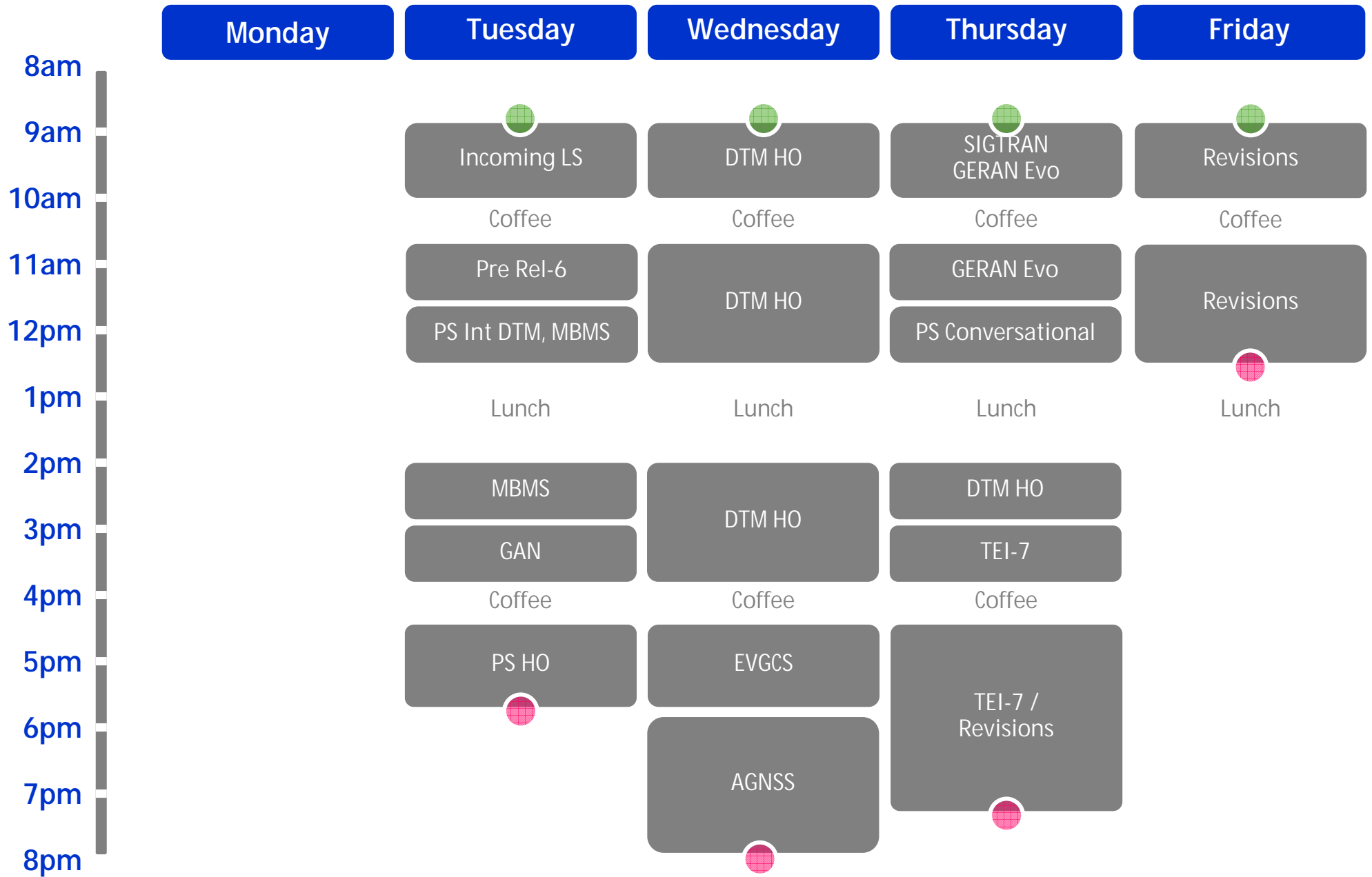
Chairman's summary

Guillaume SÉBIRE (Nokia-TP/Hki)

# Incoming Contributions per Agenda Item



Total: 95



# Pre Rel-6 Corrections

- DTM establishment with full duplex PS resources (R99+)
  - G2-060070 – G2-060074 CRs 04.18, 44.018 agreed
    - MS to proceed with both UL *and* DL assignment when indicated in PACKET ASSIGNMENT / DTM ASSIGNMENT COMMAND messages

# Completed Rel-6 Work Items (1/2)

- PS Int DTM
  - G2-060147, G2-060153 CRs 44.018 approved
    - Allows indication of SDCCH request in PACKET CS REQUEST message
      - Indicates that the MS in packet transfer mode has (CS) signalling to send
      - Up to the network to either: allocate SDCCH (dedicated mode) or TCH for signalling (DTM)
- MBMS
  - Clarification T3195
    - G2-060138, G2-060139 CRs 44.060 postponed
  - Extension of MS ID using timeslot number
    - G2-060036 CR 43.246 Noted
    - G2-060034, G2-060035 CRs 44.060 rejected
      - Violation of current requirements (MS capabilities): proposal would require an additional uplink timeslot in addition to PTCCCH) and no benefits seen performance-wise
  - MBMS ASSIGNMENT (non-distribution)
    - Global TFI included: MBMS ASSIGNMENT (non-distribution) received by all MSs monitoring the MBMS bearer (as identified by the bearer ID contained in the DOWNLINK\_TFI field)
    - Can be used to reassign the MBMS Bearer Identity or radio resources for an MBMS radio bearer
    - G2-060057, G2-060058 CRs 44.060 agreed
    - G2-060059 CR 43.246 endorsed

# Completed Rel-6 Work Items (2/2)

- PS HO
  - G2-060109 CR 43.129 endorsed: misc updates
  - G2-060110 CR 44.060 agreed: Ensuring UL TBF allocation
  - SI/PSI container
    - G2-060111, G2-060142 CRs 48.018 agreed
      - Inclusion of SI/PSI container in TBSS to SBSS Transparent Container
    - LS to RAN3 in G2-060129
- GAN
  - G2-060106 CR 44.318 agreed: Corrections to GAN cell reporting in UTRAN
    - Originating from RAN2
  - G2-060140 CR 43.318 noted: Clarification and Introduction of Annex on GANC Selection. To be further discussed in GERAN1
    - No mixed selection of PLMNs coming from GAN and from GERAN/UTRAN
      - When in a given mode, only PLMNs available through that mode can be selected
    - Default GANC can report PLMNs
      - Selection of a GANC takes place during registration and prior to roving into GAN mode
    - Selection of a GANC implies selection of a PLMN: GANC associated with only one PLMN
  - G2-060041 CR 43.318 noted: Rove-in description alignment with 'Call re-establishment'
    - Rove-in possible for call re-establishment or abnormal release with cell reselection
    - Not needed in stage 2?
  - G2-060154 CR 44.318 approved: Measurement quantity for UTRAN cells for handover from GAN
    - Allows MS to report both CPICH RSCP and CPICH Ec/No of UTRAN Ncells.
  - Not seen
    - G2-060087 CR 43.318 withdrawn: Clarification to PLMN selection on GAN Stage 2
    - G2-060088 CR 44.318 postponed: Clarification to PLMN selection
    - G2-060089 CR 44.318 postponed: Multirate Configuration Clarification to GAN Stage 3
- TEI6
  - G2-060155, G2-060156 CRs 44.060 approved: CSN1 correction to PACKET CONTROL ACKNOWLEDGEMENT (release 6 extension)

# Other technical work – Rel-7 – DTM Handover (1/2)

- Stage 2
  - G2-060113 CR 43.055 endorsed: misc. corrections
- Stage 3 CRs
  - G2-060114 CR 48.008 postponed
  - G2-060115 CR 48.018 postponed
  - G2-060118 CR 44.018 postponed
  - G2-060119 CR 44.060 postponed
  - Open issue:
    - Reception of out-of sequence message by (S/T)BSS (i.e. after T23/T24 expiry): should the (S/T)BSS be mandated to indicate this to the CN?
- Critical Resource Indication
  - Proposal for the TBSS not to allocate any resources if critical resources cannot be allocated, hence avoiding the SBSS to cancel allocation of resources should they have been allocated otherwise: save signalling
  - Inter RAT case to be addressed
  - Some companies still not convinced of the need for this
  - G2-060015 CR 43.129 postponed
  - G2-060018 CR 43.055 postponed
  - G2-060016, G2-060017 CRs 44.060 postponed
  - G2-060019 CR 48.008 postponed

## Other technical work – Rel-7 – DTM Handover (2/2)

- CS-only Handover: G2-060020
  - G2-060021, G2-060022 CRs 43.055, 44.018 postponed
  - Proposal for TBSS to use DTM HANDOVER COMMAND if only CS resources are assigned; Proposal for SBSS to indicate the MS to ignore the PS part of the DTM HANDOVER COMMAND (in case of no answer received from PS CN in the SBSS)
    - Concerns: additional method in the MS to make a normal (CS) Handover in DTM (with DTM HANDOVER COMMAND as opposed to HANDOVER COMMAND), while the MS has no clue a DTM handover was requested but didn't succeed in the network itself (completely transparent to the MS)
    - Likelihood of the problem questioned as well
  - Proposal for MS to indicate unknown status of PS resources at sending of Handover Complete in target cell: speed up PS resumption in target cell?
- PS failure, CS success
  - G2-060091
    - Proposal to indicate cause code in HO complete to indicate failure of PS side in target cell, to trigger release of PS resources in the source cell
    - Not in line with DTM HO principle that upon main signalling link establishment, HO Complete is sent to MSC and PS HO Complete to SGSN so the MS is relocated to target cell. MS goes back to source cell only if main signalling link is not established in the target cell
  - G2-060092, G2-060093: withdrawn



# Other technical work – Rel-7 – VGCS Enhancements

- Correction of coding of talker identity to comply with TLV format
  - [G2-060120](#), [G2-060121](#) CRs 44.018, 48.008 agreed
- Point-to-Point SMS to MS in Voice Group or Broadcast Call
  - Reception
    - Listener: paging on FACCH (Listeners of a VG/VB call unknown to the network) – leaving the call is necessary
    - Talker: ptp on DL SACCH
  - Transmission
    - Listener: leave the call and request dedicated channel
    - Talker: UL SACCH
  - [G2-060122](#) CR 44.018 agreed: Notification/FACCH indicating paging for SMS
  - [G2-060123](#) CR 48.008 agreed: Paging of VGCS/VBS MS
- [G2-060145](#) CR 48.008: Group Call Re-establishment following release due to BSS generated reason
  - VGCS/VBS ASSIGNMENT STATUS used by the BSS to indicate the release/re-establishment of the group call to the MSC
- [G2-060125](#) CR 44.018 postponed: Support of AMR for VBS/VGCS
  - Listener (Downlink): one codec only
  - Talker (Uplink): AMR can be used
  - Check which of SI6 or SI10 is to be used for indicating AMR config.
- [G2-060146](#) CR 44.018 agreed: Correction of uplink access procedure
  - Alignment with stage 2 (43.068)
- [G2-060038](#) CR 44.018 postponed: Enhancement of uplink access procedure
  - Proposed to send UPLINK ACCESS more often for privileged and emergency
  - Discussion paper needed to highlight the gains vs today's mechanism and motivating the proposed changes
- [G2-060127](#) CR 44.018 agreed: Inclusion of Talker Identity in UPLINK BUSY message
- [G2-060128](#) CR 48.008 agreed: Inclusion of Talker Identity in UPLINK SEIZED COMMAND

# Other technical work – Rel-7 – GERAN Evolution

- Dual Carrier Downlink
  - Draft Stage 2 CR seen
    - Downlink dual carrier: two downlink multislots configurations and one uplink multislots configuration
  - Discussion paper needed in GERAN#29 to describe the usage of non-simultaneous carriers in uplink
- Other
  - TTI Reduction
    - Benefits for best-effort (web browsing, email) questioned
    - Large gains reported for small packet sizes
  - RLC/MAC control blocks and TTI reduction
    - Proposal for using TTI=10ms (non-distribution) and TTI=20ms (distribution): double-decoding required in the MS
    - Link level performance loss of 10ms “CS1” to be evaluated
    - Gains vs. complexity to be assessed

## Other technical work – Rel-7 – SIGTRAN over A, Lb, Lp

- G2-060130 Draft CR 43.059 noted
- G2-060131 CR 48.001 postponed
- G2-060149 CR 48.006 agreed conditionally
- G2-060150 CR 49.031 agreed conditionally

# Other technical work – Rel-7

- A-GNSS
  - Two fundamentally different approaches
    - Extend existing protocols (e.g. RRLP) on a need basis: i.e. build A-GNSS on top of A-GPS
      - Generic?
    - Define a generic flexible approach: GNSS not bound to existing mechanisms i.e. A-GNSS does not require support of A-GPS
      - How to make it future-proof enough?
- PS Conversational Services
  - Evaluation needed of non-persistent RLC mode and compliance with
    - Transfer delay
    - FER requirements
  - Reduced TTI
    - Proposal for discrimination between RTTI blocks (10ms) and GPRS/EGPRS blocks for muxing of normal and "RTTI'ed" TBFs, through stealing flags combinations
    - Further work needed

# Other technical work – Rel-7 – TEI-7

- Misc.

- Usage of DTM Assignment Command G2-060060: Expected behaviour of DTM (R99+) MS with DTM Assignment Command to be clarified
  - 2a: Less TBFs than ongoing
    - Drop the ones not addressed?
  - 2c: More TBFs than ongoing
    - Check
  - 3a: handover between request / assignment
    - Forget about the request, not obey the assignment (would make sense since handover leads to dropping the packet resources anyway) ?
- **G2-060090** CR 44.060 rejected: Addressing MS with Global\_TFI
  - TFI valid only on the PDCHs of the TBF: clear for everyone
- **G2-060075, G2-060076** CRs 44.018 agreed: Misc corrections
- **G2-060077** CR 48.018 agreed: Provision of IMSI in CREATE-BSS-PFC if available in SGSN
- **G2-060056** CR 44.060 postponed: Sending Packet CS Request during countdown
  - MS is today not allowed to send PACKET CS REQUEST during countdown procedure. CR removes that restriction, but allows the network to ignore it. Unclear what the benefits are, if any.
- **G2-060082** CR 44.060 postponed: Conditions for reaction on poll in DL RLC/MAC Control Block
  - Would changes today's MS behaviour to respond to a poll even if it means temporarily stopping reception of some PDCH(s)

# Other technical work – Rel-7 – TEI-7

- VGCS
  - “Optimisation” of Handover Command: condition for inclusion of VSTK RAND in Handover Command i.e. if ciphering is used on the group call
    - G2-060135 CR 44.018 approved
    - G2-060151 CR 48.008 approved
- MBMS Cell Re-selection enhancement
  - MPRACH parameters of target cell provided in the old cell via MNCI message
  - G2-060065 CR 43.246 noted
  - G2-060137 CR 44.060 approved
  - G2-060152 CR 48.018 approved
- MS behaviour and 3G parameters in SI2ter Rest Octets
  - G2-060083, G2-060084, G2-060085 CRs 44.018, 44.060 postponed
  - Concern raised as to changing existing functionality in terminals (what to do with partial 3G parameters in SI2 ter, and 3G parameters in SI2 quater=?)
  - GERAN1 feedback needed esp. wrt. 45.008 requirements:
    - §6.6.4: "The MS shall be able to identify and select a new best UTRAN cell on a frequency, which is part of the 3G Cell Reselection list, within 30 seconds after it has been activated under the condition that there is only one UTRAN frequency in the list and under good radio conditions"
    - §10.1.1.3: "Both valid cells as defined in subclause 8.4.7, and any identified cell on a frequency for which not full identification is included in the GPRS 3G Cell Reselection list, shall be considered for re-selection."
  - Any need to change anything?

# Outgoing LSs

- GP-060101 LS to CT3, RAN3 cc CT4 on MBMS Service Area IE
- GP-060129 LS to RAN3, RAN2 on SI/PSI Transfer

# Future meetings

- GERAN2#29            25-27 April 2006            Cabo San Lucas, Mexico
- GERAN2 #29bis      22-26 May 2006            Sophia Antipolis, France
- GERAN2#30            27-29 June 2006            Lisbon, Portugal
- GERAN2#31            05-07 September 2006      Denver, USA
- GERAN2#31bis        16-20 October 2006        **TBD**
- GERAN2#32            14-16 November 2006      Sophia Antipolis, France