

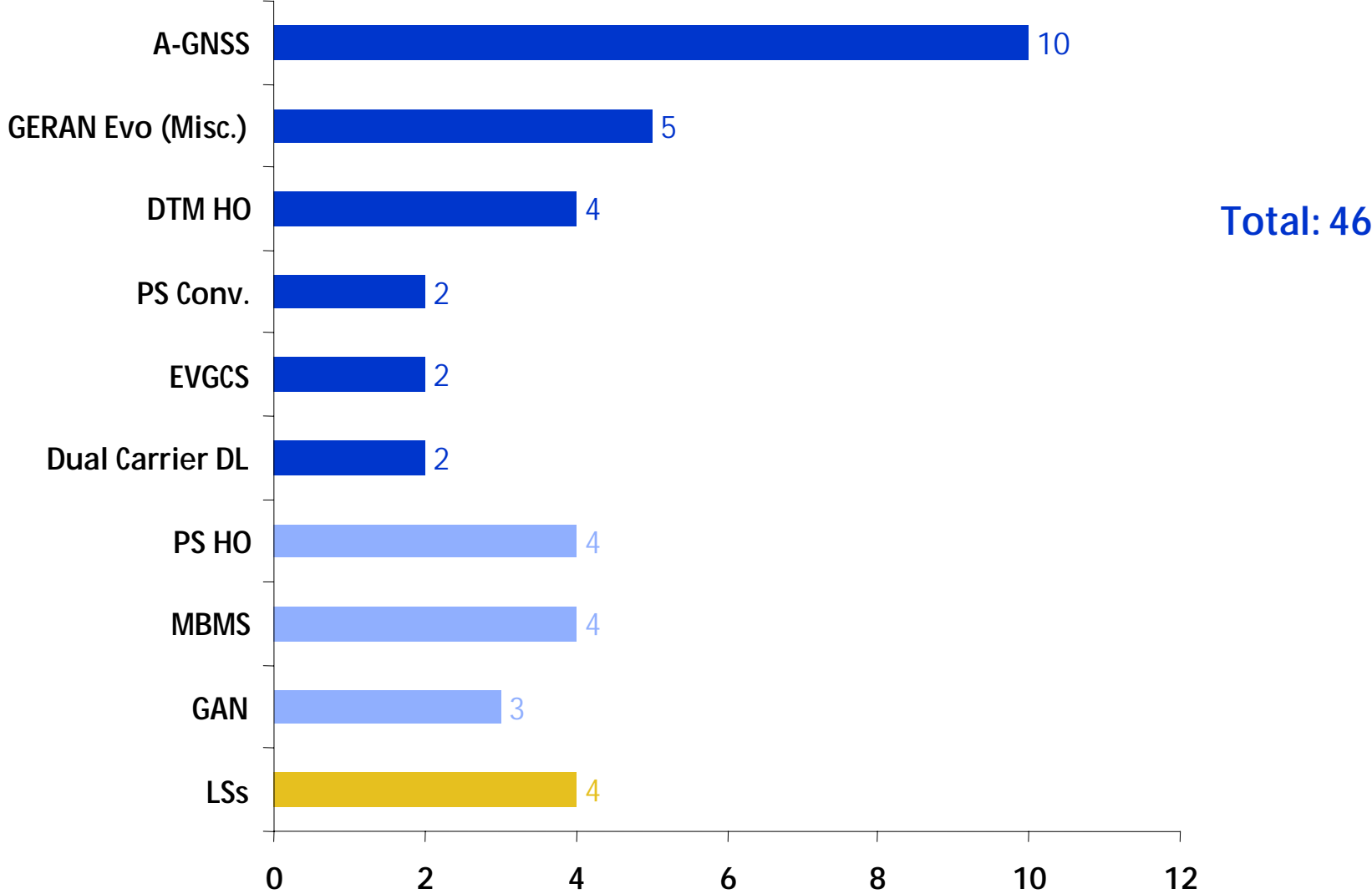
# 3GPP TSG GERAN2#29bis

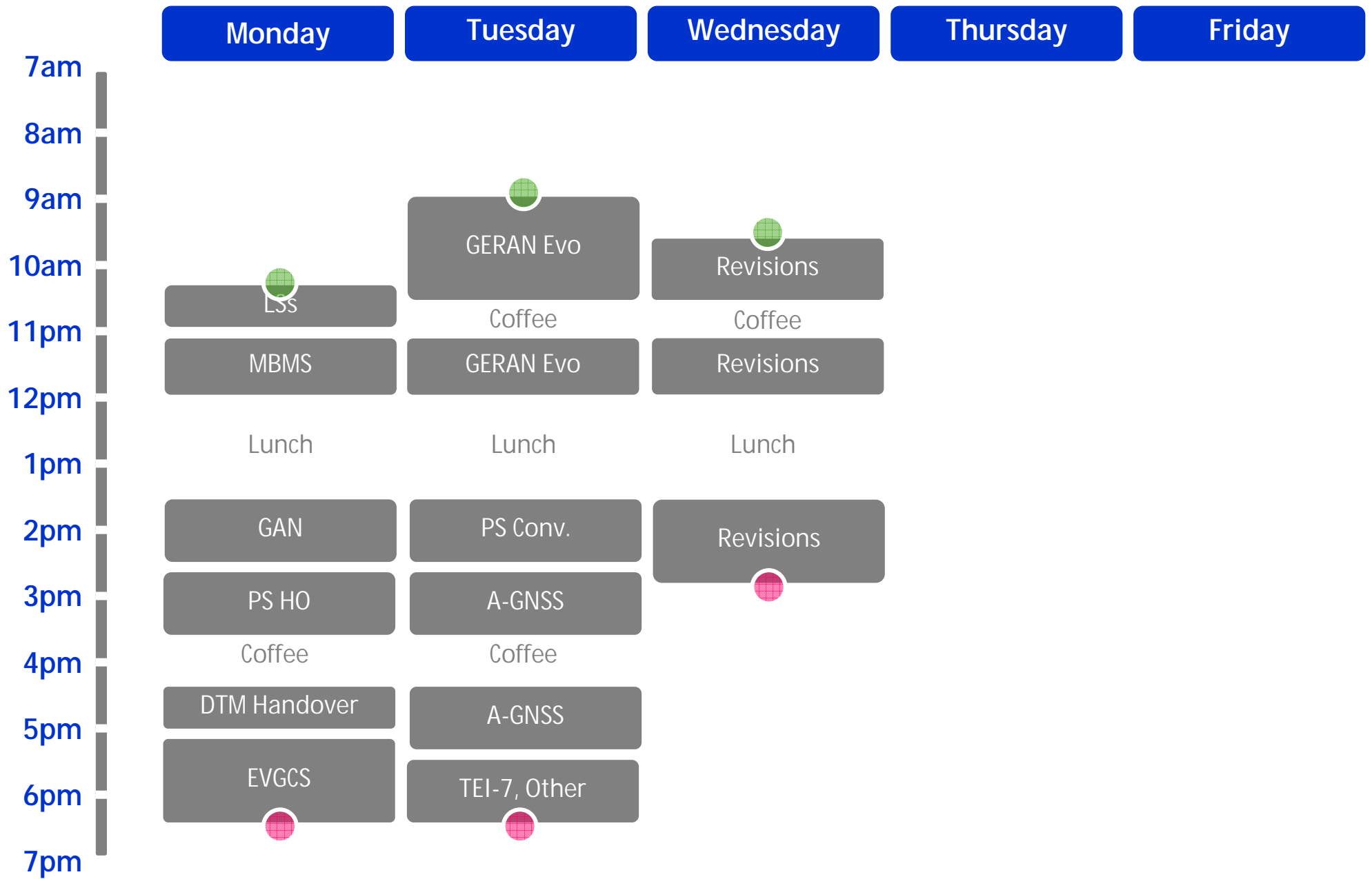
Sophia Antipolis, France, 22-24 May, 2006

Chairman's summary

Guillaume SÉBIRE (Nokia-TP/Hki)

# Incoming Contributions per Agenda Item





# CT1 Truncation Issue

- Potential issue highlighted by CT1 on truncation within a component (G2-060205)
  - GERAN2 Understanding:
  - Truncation within a component is currently prevented by CSN.1 (Michel Mouly) and the network must ensure a message delivered to an MS is correct.
    - ➔ There is apparently no issue other than ensuring the network complies with truncation rules
  - Truncation is to
    - ensure syntactically correct messages: i.e. ensure that an MS of a release higher than that of a network would not ignore a message sent by this network
    - allow some sys. info to be sent partly in SI4 and the rest in SI7 and SI8 (given SI4 does not have sufficient room)

# Completed Rel-6 Work Items (1/3)

- **MBMS**

- MS\_ID Release Indication

- MS to indicate in MBMS DL Ack/Nack message the release of its MS\_ID
    - [G2-060208](#), [G2-060209](#) CRs 43.246 endorsed
    - [G2-060210](#), [G2-060211](#) CRs 44.060 agreed
      - Any better text than "whenever possible"?

# Completed Rel-6 Work Items (2/3)

- **GAN**

- **G2-060233** CR 43.318 endorsed
  - Allows access to GAN while in GERAN/UTRAN preferred mode, if limited service state would otherwise be entered
- **G2-060218** CR 44.318 agreed: correction to handover from GAN to UTRAN
  - Allows identification of the handover message included in GA-CSR HANDOVER COMMAND message (within Handover From GAN Command IE )
    - GAN > GERAN: HANDOVER COMMAND message (unchanged)
    - GAN > UTRAN: INTER SYSTEM TO UTRAN HANDOVER COMMAND message
  - The GA-CSR HANDOVER COMMAND message to only indicate a target cell which was reported by the MS in the GA-CSR HANDOVER INFORMATION message: i.e. no blind HO

# Completed Rel-6 Work Items (3/3)

- **PS HO**

- G2-060234, G2-060235 CRs 44.060 agreed

- USF not detected in the target cell: introduce means by which the MS can return to the old cell and send a PACKET CELL CHANGE FAILURE to the network.
  - New MS timer T3218 introduced: **started** upon reception of PS HANDOVER COMMAND message and **stopped** upon reception of the first USF. Upon expiry, the MS returns to the old cell and sends a PCCF message
  - Proposed expiry time: 1 second
- **NOTE:**
  - T3216, T3218 not to be used by the network to delay the sending of USF/Physical Information
  - Expiry times of T3216 and T3218 may need to be redefined (<1s)
- CR will be needed in GERAN#30 to add a NOTE for the BSS to schedule USFs immediately
- CR will be needed (Rel-7) for DTM Handover to make this not applicable to DTM HO

# Other technical work – Rel-7 – DTM Handover

- Corrections
  - [G2-060236](#) Draft CR 43.055 endorsed: misc. corrections
  - [G2-060237](#) CR 48.008 agreed: Cause values used in HANDOVER FAILURE message and in PS HANDOVER REQUEST/REQUIRED NACK PDU for DTM Handover
  - [G2-060238](#) CR 48.018 agreed: Behaviour and Cause value in case of PS resource allocation failure for DTM Handover
- Inter-RAT DTM HO:
  - [G2-060194](#) Draft CR 43.055 noted: simplifications needed
    - Only difference vs GERAN<>GERAN: TRNC cannot proceed with CS alone
    - Refer to existing procedures (GERAN<>GERAN, UTRAN<>UTRAN) as much as possible
    - Provide correspondence between message names, network nodes as appropriate
    - Typically only references to existing subclauses would remain



## Other technical work – Rel-7 – VGCS Enhancements

- G2-060167 CR 48.008 agreed: Sending of Additional Information to VGCS talker on dedicated channel
  - When the talker is on a dedicated channel, there is no such *VGCS talker's call controlling SCCP connection*: use the *VGCS talker's dedicated SCCP connection* for the MSC to send Additional Information to VGCS talker
- G2-060168 CR 48.008 agreed: Inclusion of Talker Identity in Uplink Control messages

# Other technical work – Rel-7 – GERAN Evolution

- Dual Carrier Downlink
  - GERAN2 Working Assumptions agreed in [G2-060239](#)
  - Stage 2
    - [G2-060225](#) CR 43.064 noted: will be revised and presented for approval to GERAN#30
- Latency enhancements
  - No conclusion
  - Fast Ack/Nack
    - BSN-based? Timing based?
    - Event-based ack/nack questioned
    - Further simulations needed
  - RTTI: 10ms, 5ms?
  - Reduced MS Response time: potential issue with feasibility (as currently proposed) in handsets
  - A summary of current proposals in [G2-060185](#) – not agreed as WA as of yet
  - Complexity issue (esp. when features are combined)

## Other technical work – Rel-7 – A-GNSS

- Proposal in [G2-060223](#) agreed as a way forward (until?)
  - First: Introduce A-Galileo (as an A-GNSS): minimum required mechanisms to support Galileo
  - Then: consider further generic GNSS improvements applicable to any satellite system
    - New WID/Update of existing WID would be required
- All capabilities provided by Galileo have to be supported
- Measurement reports must be generic, as opposed to being based on A-GPS measurement reports (e.g. artificial limitation of number of chips of A-GPS)
- Clarification of the AGNSS WID needed

# Other technical work – Rel-7 – PS Conversational

- PS Conversational Services
  - Support of VoIP in A/Gb mode discussed in G2-060214
    - Minimum package for supporting VoIP on shared channels in GERAN should be defined so that evaluation of performance and complexity can be made
      - Non-persistent RLC mode
        - Timer-based (e.g. based on Transfer Delay), however SA2 is currently considering to get rid of transfer delay (among others)
        - Recommended to have a single non-persistent RLC mode both for MBMS and Conversational services
      - Fast Ack/Nack
      - RTTI
      - Reduced MS response time
      - (Periodic) Neighbouring cell measurements
      - ?
    - Feasibility of muxing with other users questioned
    - 8PSK and IR support in uplink

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

- G2-060222 CR 44.060 agreed: CSN.1 correction
- G2-060190 CR 48.016 agreed (conditionally: Nortel to indicate any potential issue): Handling and recovery of non-operational IP endpoints
- G2-060228 CR 44.060 agreed
  - PACKET CS REQUEST message not to be sent during countdown procedure when extended UL TBF mode is not used
- G2-060229 CR 48.008 agreed
  - Extracts the MS identity from the first L3 message received from the MS (when the SCCP connection establishment is performed by the BSS), so as to enable Intra domain connection of RAN nodes to multiple CN nodes (A interface)
- G2-060159 CR 44.060 rejected: The usage of <GPRS REP PRIORITY Description> in Packet Cell Change Order message
  - No problem with PEMR whereby the MS must acquire the Ncell list from sys info in the target and build the BA(GPRS) list (based also on cells indicated in PCCO)
  - Clarification may be needed

# Outgoing LSs

- [G2-060207](#) LS to RAN3, CT3 Cc. CT4 on Alignment of IE encoding for MBMS
- [G2-060242](#) LS to RAN3, SA2 on Critical Resource Indication for PS and DTM Handovers

# Future meetings

- GERAN Evo AH#2 25-26 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 (Host needed)  
(somewhere close, nice, cheap, sunny, w/good food)
- GERAN2#32 14-16 November 2006 Sophia Antipolis, France
- GERAN2#33 12-16 February 2007 TBD, China?