

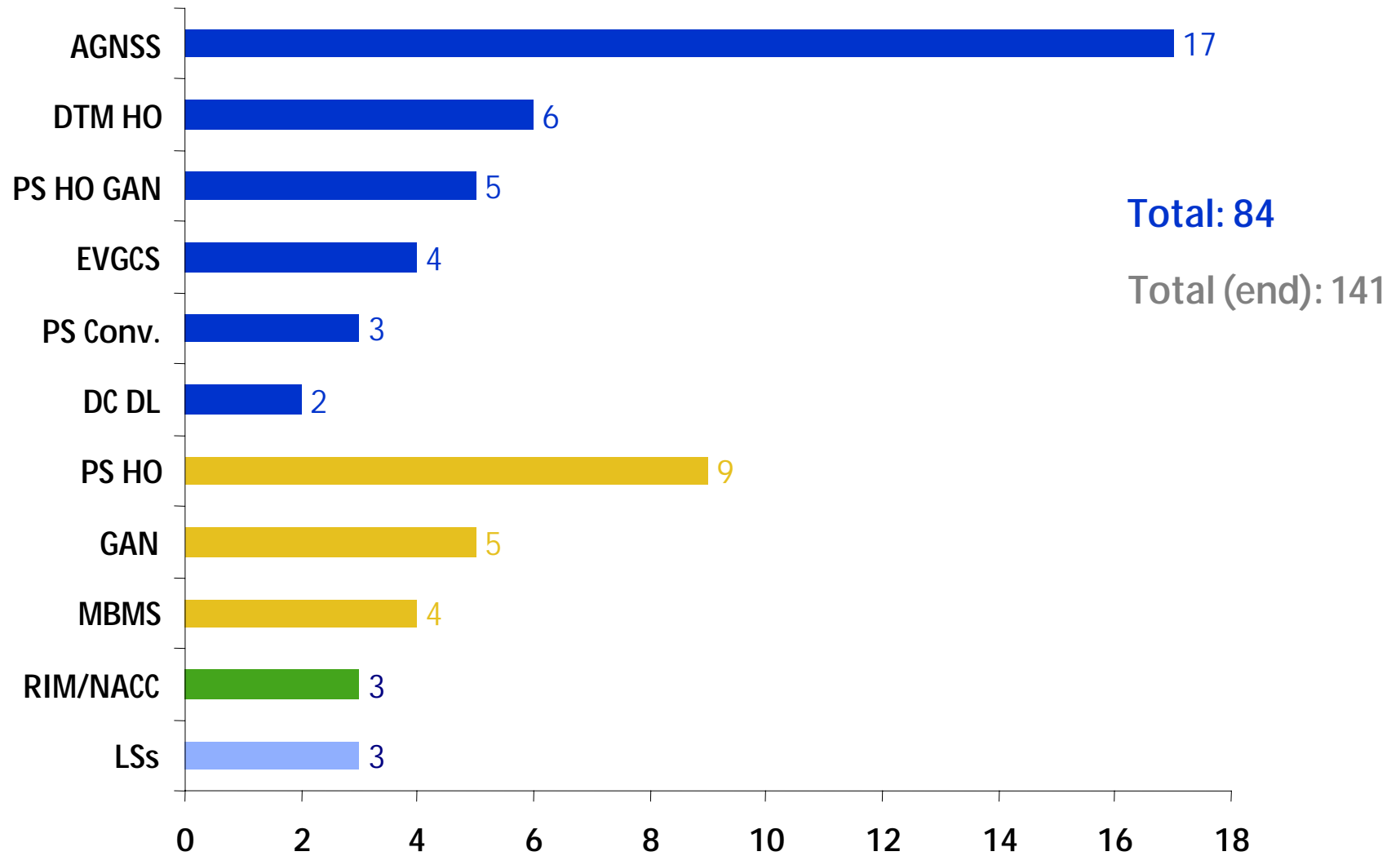
# 3GPP TSG GERAN2#31bis

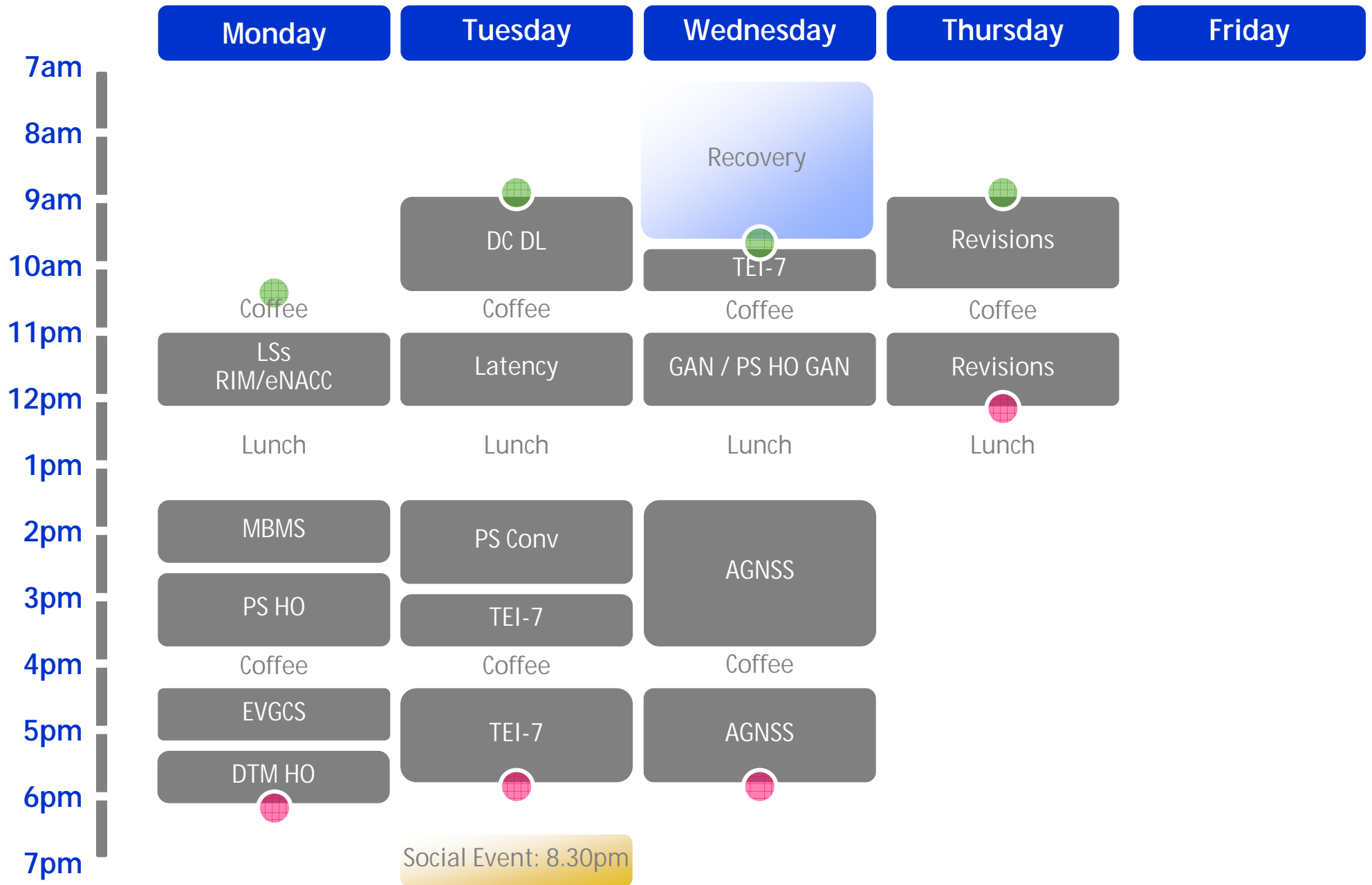
Turin, Italy, 16-20 October, 2006

Chairman's summary

Guillaume SÉBIRE (Nokia-TP/Helsinki)

# Incoming Contributions per Agenda Item





## SA3 issue on Algorithm Change [G#31]

- 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 Rel-6 Corrections

- G2-060334, G2-060335, G2-060336 CRs 48.018 approved: Alignment to General Protocol Error Handling for RIM approved
  - PDUs tunneled on Gn to be discarded if RIM is not supported by a target SGSN. No STATUS PDU returned

# Completed Rel-6 Work Items (1/4)

- **MBMS**

- G2-060330, G2-060331 CRs 48.018 approved: Correction to the MBMS Session Start procedure
  - BSS may not receive an MBMS SESSION START REQUEST message for an ongoing MBMS service context and containing a new MBMS Service Area in the *MBMS Service Area Identity List* IE
- G2-060326, G2-060327 CRs 48.018 approved
  - NPM Transfer Time included
- G2-060371, G2-060372 CRs 48.018 approved
  - Inclusion of MBMS In-band Signalling Indicator in MBMS data channel report
- G2-060339, G2-060340 CRs 43.246 endorsed: NPM Transfer Time

# Completed Rel-6 Work Items (2/4)

- **GAN**

- G2-060367, G2-060368 CRs 44.318 approved
  - clarification of timers (T3906, T3910) handling
- RFC 4434 replaces RFC 3664 (Algorithm for IKE)
  - G2-060263 CR 43.318 endorsed
  - G2-060365, G2-060366 CR 44.318 approved

# Completed Rel-6 Work Items (3/4)

- PS HO

- CAMEL Trigger Points
  - [G2-060282](#) CR 43.129 endorsed upon SA2 review
- [G2-060284](#) CR 43.129 endorsed: misc updates
- [G2-060341](#) CR 43.129 endorsed: PS HO Cancel behaviour
  - Check the reason for the mention of “failed coordination with CS domain” and remove it if no reason found
- [G2-060342](#) CR 43.129 endorsed list of conditions defining a radio contact loss with MS
- [G2-060381](#), [G2-060382](#) CR 48.018 approved
  - SGSN to ignore for a given MS the reception of PS HO Cancel PDU if a PS Handover Complete PDU has already been received from TBSS (intra SGSN) or a relocation complete has been received from new SGSN (inter SGSN)
  - Peer CRs to 29.060 will be made
- [G2-060375](#), [G2-060376](#) CR 44.060 approved
  - Correction to PS Handover to UTRAN procedure (UTRAN only)



# Completed Rel-6 Work Items (4/4)

- **TEI-6**

- G2-060354 CR 44.060 approved
  - Clarification of DA, EDA and shifted USF operation: relates to assignment/allocation clarifications
- G2-060362, G2-060363 CRs 44.018 approved
  - Definition of EPC Mode values

# Rel-7 – DTM Handover

- Inter-RAT DTM Handover
  - [G2-060377](#), [G2-060262](#) CRs 48.008, 48.018 approved
  - [G2-060351](#) CR 44.060 approved
- Critical PS indication
  - Critical PFC list: criticality among PS
  - If criticality of PS included, then indicate whether PS criticality = CS criticality
- Fast sending of DTM Handover Command message
  - SBSS to send DTM Handover Command message to the MS if received back from MSC, without waiting for PS CN response
    - No consensus to go ahead with this proposal
  - How fast is it?
    - Gains to be quantified
  - [GP-061722](#), [GP-06715](#) CRs 43.055, 44.018 postponed

## Rel-7 – VGCS Enhancements

- [G2-060379](#) CR 48.008 approved: misc updates for A-interface link sharing and group call re-establishment

# Rel-7 – VGCS Enhancements for VGCS Apps

- None

# Rel-7 – DC DL

- **MS capabilities**

- Draft CR 24.008 presented in [G2-060250](#): to be revised (editorials) for GERAN#32
  - DC DL capability (MS RAC)
  - DC DL DTM capability (CM3, MS RAC)
  - Multislot capability reduction: same for both DTM and non-DTM if DC DL DTM supported

- **Encoding of assignment messages – G2-060293**

- Companies invited to provide feedback offline
- CR will be presented in GERAN#32

# Rel-7 – Latency Enhancements

- **RTTI**

- Mix of TTI between UL/DL for a given MS or not?
  - Current work assumes (without listing any WA) consistent TTI between UL and DL
  - Working assumption to be reached at GERAN#32
- EDA to support RTTI

- **Fast Ack/Nack**

- Time-based approach vs. SSN-based approach (BSS>MS): no decision as of yet
- Variable-size bitmap
  - Different bitmap sizes should be possible
  - Does the bitmap size need to be variable for an ongoing TBF or should it be fixed at assignment?

# Rel-7 – PS Conversational

- G2-060353 CR 44.018 approved: introduction of RLC NP mode
  - Support of MTBF and RLC NPM decorrelated: 44.060 changes needed as well
  - Changes to 43.064 needed for introduction of RLC NP mode

# Rel-7 – GERAN Evolution - General

- **Rel-7 Capabilities**

- MS capability support: feature package(s) must be considered for Rel-7 in order to limit the amount of options to sensible ones only
  - ➔ Considerable simplification of specifications
- Ensure as much as possible consistent feature support between networks and terminals of Rel-7
  - ➔ Ensure inter-operability testing opportunities



# Rel-7 – PS HO GAN

- **GERAN#31**

- Re-use as much as possible existing PS HO procedures and maximize references thereto
  - Merely consists of introducing MS/GANC procedures within existing PS Handover scenarios
  - CN procedures unaffected; “GANC” instead of “BSC” in BSC/SGSN interaction
  - Intra/Inter SGSN GERAN A/Gb <> GAN Handovers: based on GERAN A/Gb <> GERAN A/Gb PS HO procedures
  - Inter RAT UTRAN/GERAN Iu <> GAN Handovers: based on UTRAN/GERAN Iu <> GERAN A/Gb PS HO procedures
- GERAN2 Proposal to change the scope of 43.129 to cover as well PS Handover in GAN mode: high synergies with PS Handover in GERAN A/Gb mode, esp. from CN standpoint (A/Gb interfaces)
  - **G2-060287, G2-060288** CRs 43.129, 43.318 noted. To be updated for next meeting
  - **G2-060290, G2-060291** CRs 44.060, 44.318 postponed
  - Draft CR 25.922 (TR under RAN2 responsibility):
    - PS HO GAN/UTRAN will be described (Rel-7) - GUGAN
    - CS part need to be described also (Rel-6+) - GAN

## Rel-7 – A-GNSS

- No consensus on a way forward, yet. Two options
  - Option A
  - Option B rev 1
  - Decision expected in GERAN#32: companies asked to account for the comments made at G2#31bis

# Rel-7 – LCS Enhancements for LBS

- None

# Rel-7 – TEI-7 (1/2)

- [G2-060355](#) CR 44.060 approved
  - Clarification of DA, EDA and shifted USF operation: relates to assignment/allocation clarifications
- [G2-060352](#) CR 44.060 approved
  - HCS\_THR: aligned with 45.008 definition { [-110dBm; -50dBm]; +infinity}
- **MBMS Session Update procedure**
  - To allow the modification of the MBMS Service Area and the list of downstream nodes for the GGSN for an ongoing MBMS Broadcast Service Session (feature introduced at SA#33)
  - [G2-060369](#) Draft CR 43.246 endorsed
  - [G2-060358](#) CR 48.018 approved
  - [G2-060359](#) CR 44.060 approved
  - [G2-060360](#) CR 44.018 approved
- [G2-060257](#) CR 44.060 approved
  - Clarification of MS behaviour at expiry of T3170 and T3186 in case of MBMS: in line with changes made in GERAN#31

## Rel-7 – TEI-7 (2/2)

- G2-060333 CR 48.018 approved: correction of references
- Cell reselection enhancement for VGCS
  - New SI message on SACCH to indicate the id of the cell and the group call parameters in that cell
  - Issue of outdated information and MS moving to the new cell on a resource no longer used by the group call
    - Needed time for the MS to recover should be investigated? Any worse than without this mechanism?
- G2-060308, G2-060307 CRs 43.022 44.018 postponed

# Rel-7 – GERAN/LTE Interworking

- Workplan received from SA and to be reviewed
- Joint meeting expected in January 2007

# Outgoing LSs

- None

# AOB

- 3GPP TR 44.933 Seamless support of streaming services in A/Gb mode
  - GERAN2 recommendation to withdraw/abandon it



# Future meetings

- **GERAN2#32**                    **14 – 16 November 2006**                    **Sophia Antipolis, France**
- GERAN2#33                    12 – 16 February 2007                    Seoul, South Korea
- GERAN2#33bis                02 – 06 Apr 2007                    NY Area, USA
- GERAN #34                    14 – 18 May 2007                    Shenzhen, China
- GERAN2#34bis                25 – 29 Jun 2007                    TBD
- GERAN #35                    27 – 31 August 2007                    Dublin, Ireland
- GERAN2#35bis                08 – 12 Oct 2007                    TBD
- GERAN #36                    12 – 16 November 2007                    TBD, USA