

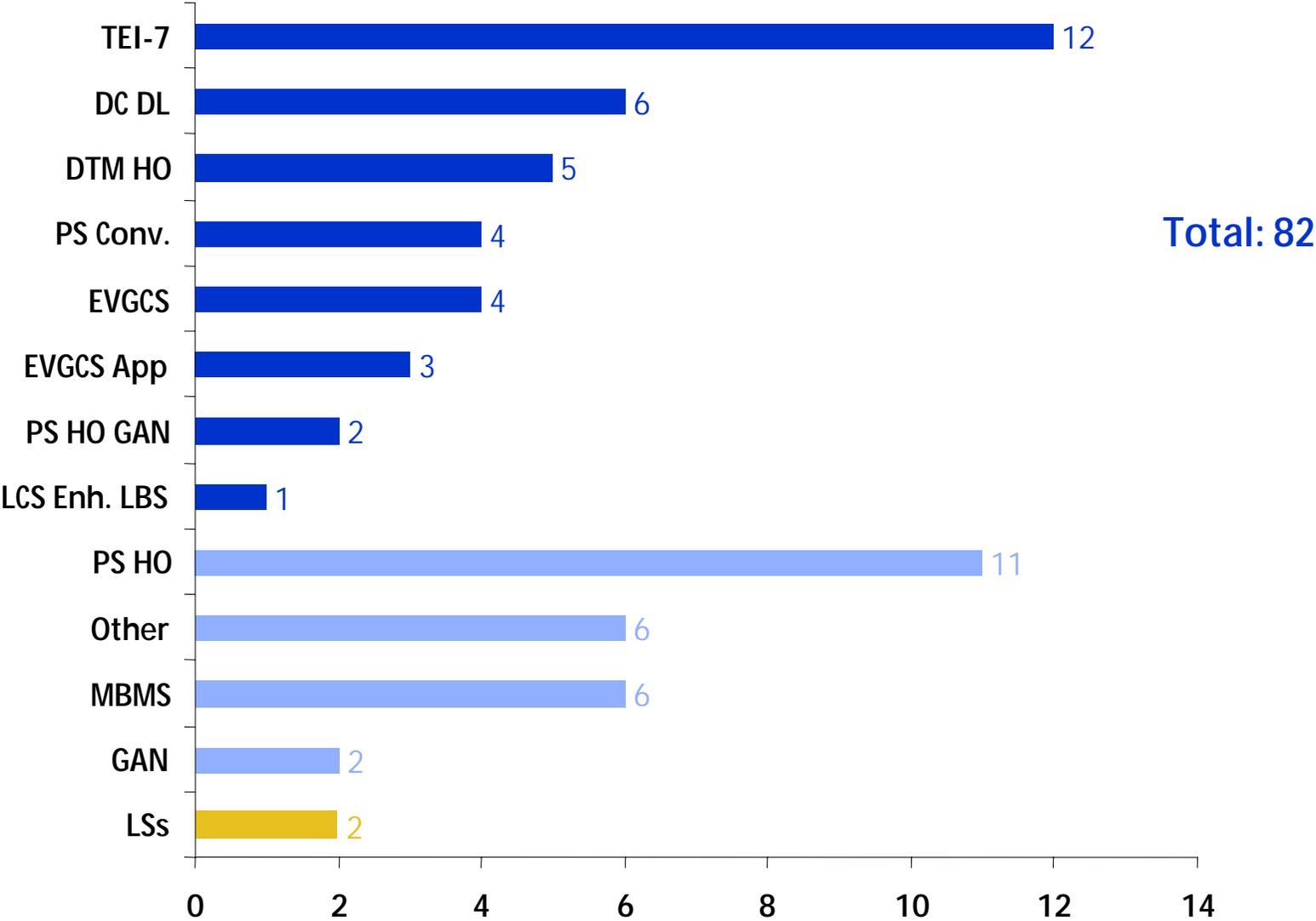
3GPP TSG GERAN2#31

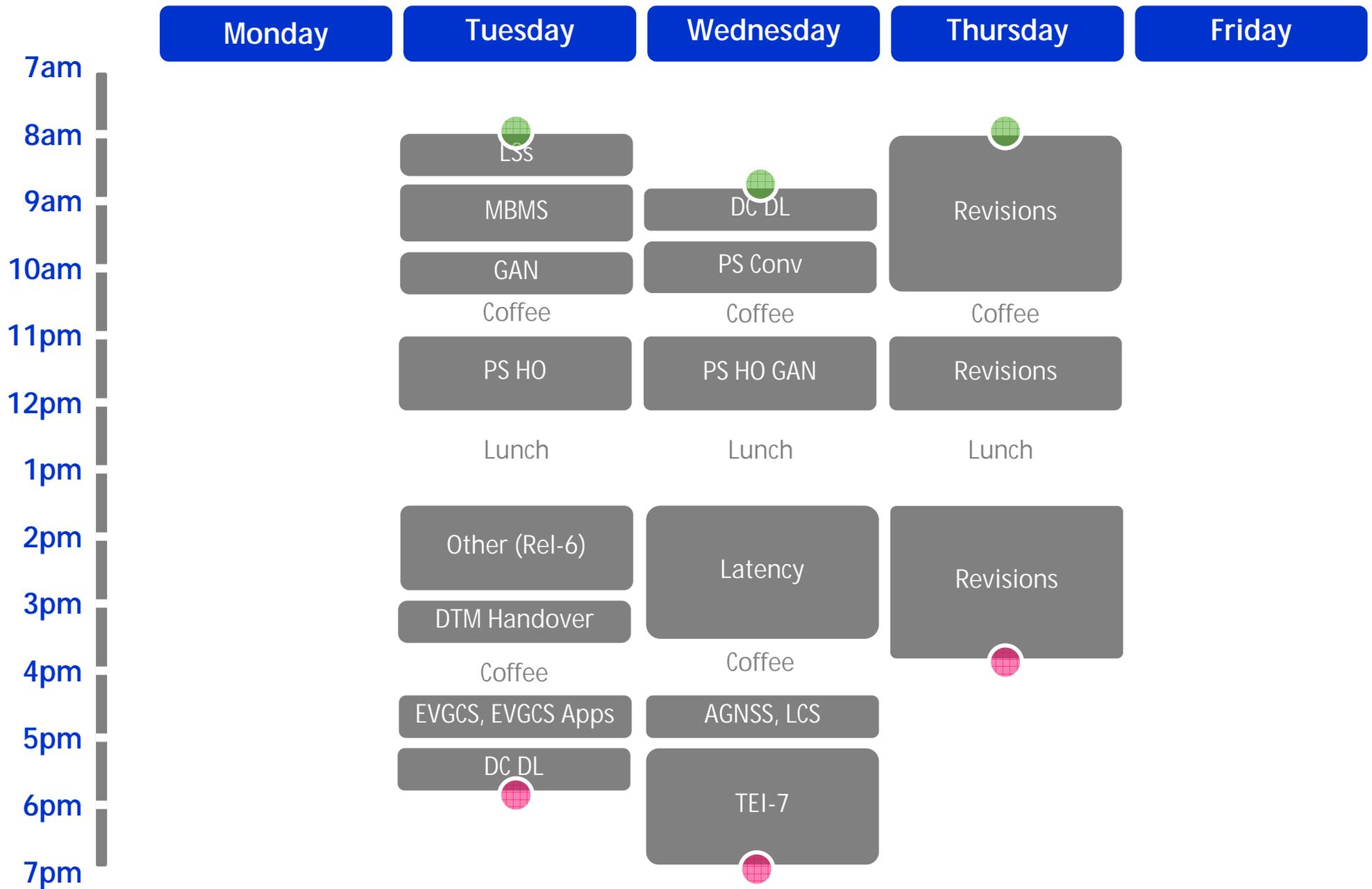
Denver, USA, 5-7 September, 2006

Chairman's summary

Guillaume SÉBIRE (Nokia-TP/Helsinki)

Incoming Contributions per Agenda Item





SA3 issue on Algorithm Change

- 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)

Completed Rel-6 Work Items (1/4)

- **MBMS**

- Correction to MBMS Assignment on CCCH
 - MBMS Assignment sent on PAGCH or PACCH (blocks allocated by Immediate Assignment)
 - GP-061761, GP-061762: CRs 43.246 endorsed
 - GP-061764, GP-061765: CRs 44.060 approved
- GP-061657, GP-01658 CRs 44.060 approved
 - Correction to Estimated Session Duration IE

Completed Rel-6 Work Items (2/4)

- **GAN**

- GP-061767, GP-061768 CRs 44.318 postponed: clarification of timers (T3906, T3910) handling

Completed Rel-6 Work Items (3/4)

- PS HO

- GP-061634 CR 43.129 rejected: avoidance of XID collision
- GP-061769, GP-061770 CRs 44.060 approved: Scheduling of USF in target cell
 - make sure no abnormal release occur in the target cell while PS HO is not successfully completed
- GP-061887, GP-061888 CRs 44.060 approved: in case of access failure in target cell, report cause code "no response on target cell"
- CAMEL Trigger points
 - SA2 recommends a few updates of our specs (see GP-061763)
- MS missing – Radio contact lost
 - GP-061871 CR 43.129 endorsed: Resource release during PS HO in case no response is received from the MS
 - GP-061872 CR 48.018 approved: Initiation of PS Handover Cancel procedure in case the source BSS detects the MS missing during PS Handover
- Maintenance of resources in Source Cell during PS HO
 - GP-061890, GP-061885 CRs 44.060 approved
 - MS assumes resource availability in the source cell to send PCCF. Today's MS behavior followed to trigger abnormal TBF release upon failure to detect USFs
 - Trigger of PS HO Cancel, Delete BSS PFCs
- Activity Status Indication of PFCs/RABs for a given PDP context
 - Introduced in 29.060 in Rel-7
 - Intention during PS HO is to use ASI instead of maximum bitrate for a given PFC when deciding whether or not to request resources from the target BSS > PS HO Specification affected
 - Preference to apply ASI in Rel-6 for PS HO in order to avoid different implementation between Rel-6/Rel-7
 - LS sent to CT4/SA2 (GP-061891) to consider introducing ASI already from Rel-6

Completed Rel-6 Work Items (4/4)

- **TEI-6**

- Conditions for the transmission of the Packet CS Request message
 - GP-061777, GP-061778 CRs 43.055 endorsed
 - GP-061875, GP-061876 CRs 44.060 approved
- Clarification for sending of DTM Assignment failure message
 - Refer to existing abnormal cases
 - GP-061873, GP-061874 CRs 44.018 approved
- VGCS
 - GP-061783, GP-061784 CRs 44.018 approved: discard segments of a segmented notification in case they are not all received before a given time
- HSN change upon Frequency Redefinition
 - Signalling allows HSN change upon Frequency Redefinition
 - No problem occurred on the field
 - GP-061598 CR 44.018 Rejected

Rel-7 – DTM Handover

- 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
 - GP-061722, GP-06715 CRs 43.055, 44.018 postponed
- GP-061879 CR 48.008 approved: PS Resource release in case of T8 expiry
 - PS HO Cancel Procedure is used
- GP-061893 CR 48.018 approved (linked to GP-061872 in Rel-6 for PS HO): PS resource release in case of T8 expiry; Radio contact with MS lost

Rel-7 – VGCS Enhancements

- **GP-061680** CR 44.018 postponed: Sending SMS to the group call
 - Proposal to retransmit SMS to increase robustness
 - Open issue:
 - Target SMS success rate?
 - What is the max number of retransmissions to guarantee the success rate under any given radio conditions?
 - Concept description needed
- **GP-061787** CR 48.008 postponed: defines re-establishment of the group call by the BSS upon a number of failures
 - More time needed to evaluate the proposal

Rel-7 – VGCS Enhancements for VGCS Apps

- Support of VGCS Critical Application Data
 - Concept not approved yet in CT1: GP-061682 noted
 - GP-061683, GP-061684 CRs 44.018, 48.008 postponed without presentation

Rel-7 – DC DL

- **Stage 2**
 - DTM Support for DC DL
 - GP-061870 CR 43.064: plenary
 - GP-061913 CR 43.055: plenary
- **PACCH Handling – GP-061623**
 - 2 TBFs on two different carriers may have the same TFI: means needed to allow unique identification of a TBF being ack/nack'ed (EGPRS PDAN)
 - For packet transfer mode, a restriction could be added so that a response to a poll must be on the same carrier as the one on which the poll was sent; i.e. skip the problem
 - For DTM, the problem may occur since the uplink carrier on the response to the poll is sent may be different from the carrier on which the poll was received. For this case the carrier ID could be needed to uniquely identify the TBF to which the response to the poll belongs
- **Encoding of assignment messages – GP-061718**
 - Companies invited to provide feedback offline – Decision expected G2#31bis
 - Reuse existing messages; Optimize the coding; and define generic IEs that can be used in all messages DC DL requires
 - Other incoming features must also be accounted for (e.g. RTTI, FAN)
- **Channel Quality reporting**
 - Flexibility needed: DC reporting/SC reporting (with carrier identification) under network control
 - DC Reporting: ordered by the network at assignment
 - SC Reporting: reported carrier = carrier on which the poll is received

Rel-7 – Latency Enhancements

- **RTTI**

- Proposed working assumptions listed in GP-061664
 - 2, 6 (10, 11): open
 - Others: [agreed](#)
- **GP-061674** CR 43.064 noted: companies invited to provide comments offline
 - Goal is to avoid changes to core specs as much as possible i.e. adapt existing terminologies to RTTI
- USF scheduling:
 - Potential wasted radio blocks with currently agreed rules
 - Proposal to assign 2 USFs on the higher numbered downlink PDCH to schedule the uplink RTTI blocks, referring to either the first or both 10ms TTI block(s) of 20ms period

- **Fast Ack/Nack**

- Proposed working assumptions listed in GP-061665
 - 2, 3, 11-13 open
 - Others: [agreed](#)
- Proposal for variable-sized PAN to mitigate the impact on payload coding
 - Evaluation needed
- Reduction of SSN length to be considered when bitmap is used
- No agreement as of yet as to whether to use Time-based/SSN-based ack/nack for UL Ack/Nack sent in DL

Rel-7 – PS Conversational

- **Non-persistent RLC mode**
 - Aligned between Rel-6 and Rel-7
 - GP-061894 CR 44.060 approved (Rel-6)
 - GP-061895 CR 44.060 approved (Rel-7)

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

- GP-061635, GP-061636 CRs 43.129, 43.318 postponed
 - 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

Rel-7 – A-GNSS

- Status report in GP-061790
- All CRs postponed

Rel-7 – LCS Enhancements for LBS

- GP-061897 CR 48.071 approved
 - Addition of BS power offset and DTX flag indication for Measurement Reports

Rel-7 – TEI-7 (1/2)

- [GP-061710](#) CR 44.014 approved: AMR WB Test loops
- [GP-061530](#) CR 44.060 approved: Default values of optional parameters of cell selection parameters for the first neighbour cell in Packet Measurement Order message
- [GP-061880](#) CR 44.060 approved
 - Clarification of MS behaviour at expiry of T3170 and T3186
 - Corresponding [GP-061881](#) CR to 43.022 to clarify abnormal release with cell reselection may be triggered upon failure of packet access failure (expiry of T3186: MS unable to make M+1 PRACH attempts)
- Clarification on handling of ciphering after 3G – 2G – 2G Handover
 - Dropped calls observed in case of 3G>2G>2G HOs when ciphering is used due to contradicting requirements in current specifications
 - [GP-061882](#) CR 48.008 approved
 - [GP-061883](#) CR 44.018 approved

Rel-7 – TEI-7 (2/2)

- **GP-061686**: CR 44.018 postponed: Enhancement to cell reselection in group receive mode
 - Proposal to include group call channel descriptions of Ncells within SI10bis of a given cell (Ncells parented by the same BSS)
 - Similar concept as previously proposed, but not accepted, for MBMS (w/notification and ptm parameters within sys info)
 - Concept paper needed, also evaluating the benefits more accurately
- **GP-061709** CR 48.018 Approved: clarification of Modify BSS PFC Procedure
- **GP-061796** CR 44.018 Approved: Addition of Ciphering Mode Setting IE to the DTM ASSIGNMENT COMMAND message
 - Allows change of ciphering during an ongoing DTM session
 - Draft CR 24.008 endorsed in **GP-061711** (LS to CT1 in GP-061898)

Outgoing LSs

- GP-061891 LS to CT1, SA2 on Inclusion of ASI in 3GPP TS 29.060 already from Rel-6
- GP-061898 LS to CT1 on Addition of Cipher Mode Setting IE to CM2 **(Plenary)**

Future meetings

- GERAN2#31bis 16-20 October 2006 Turin, Italy
- GERAN2#32 14-16 November 2006 Sophia Antipolis, France
- GERAN2#33 12-16 February 2007 TBD, South Korea