

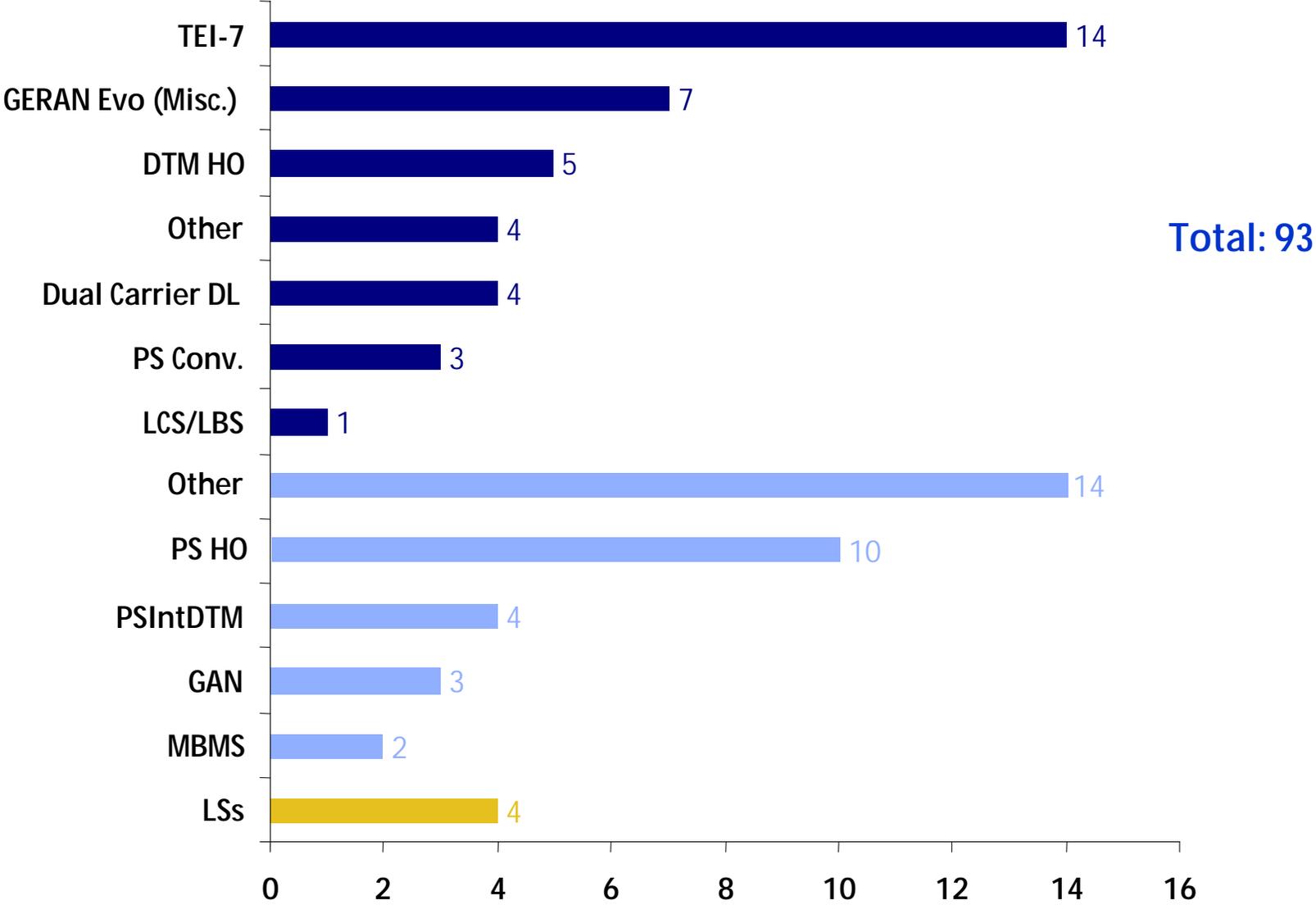
3GPP TSG GERAN2#30

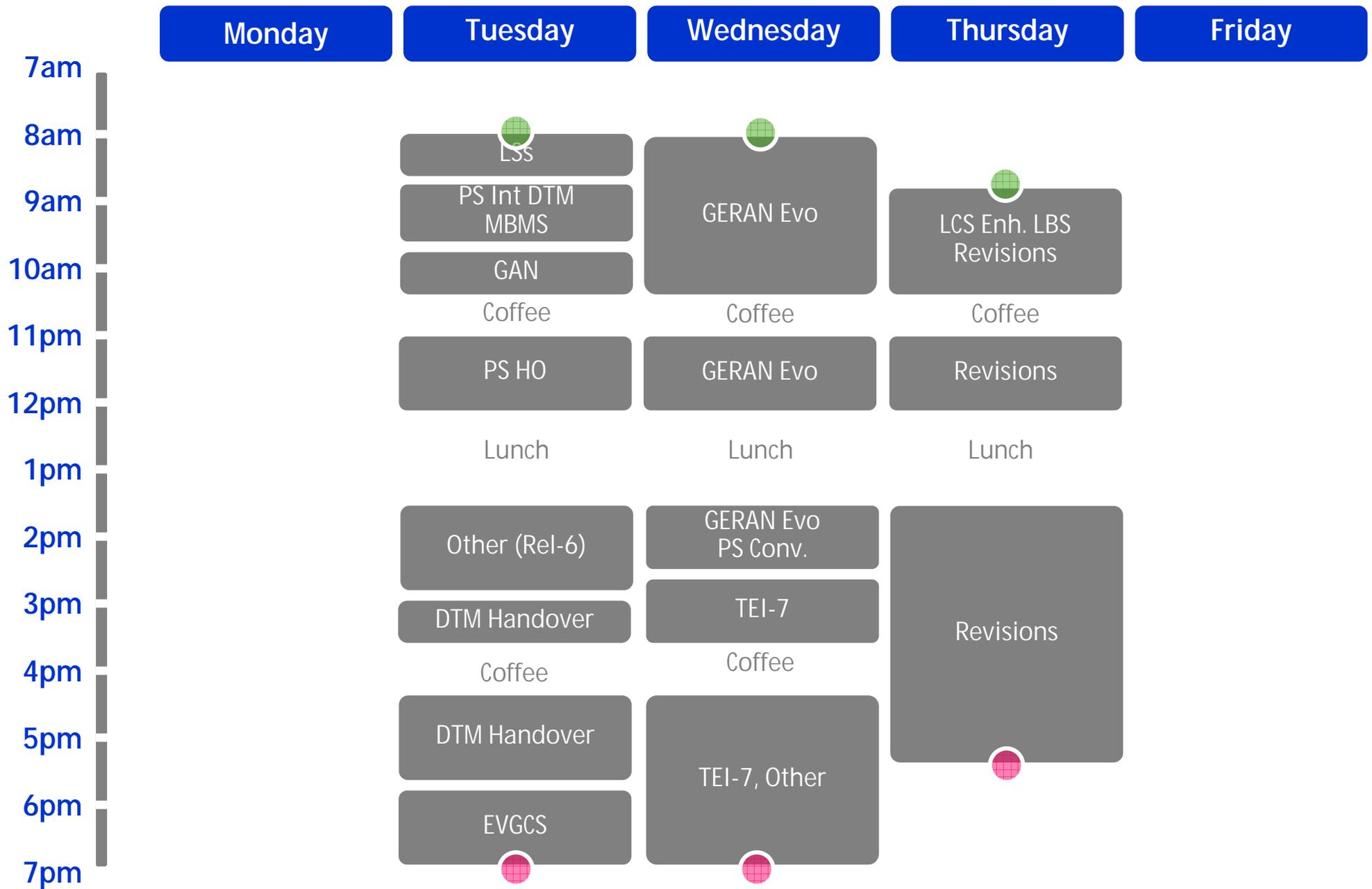
Lisbon, Portugal, 27-30 June, 2006

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)
 - LS to CT1 in [GP-061398](#)
 - CR in [GP-061268](#)

Completed Rel-6 Work Items (1/4)

- **MBMS**

- MS_ID Release Indication

- MS to indicate in MBMS DL Ack/Nack message the release of its MS_ID
 - CRs endorsed in GERAN2#29bis have been revised:
 - GP-061336, GP-061337 CRs 43.246 endorsed
 - GP-061416, GP-061417 CRs 44.060 agreed

- GP-061157, GP-061158 CRs 44.060 agreed: CSN1 correction

- MBMS Bearer ID size is not unique on a ptm channel

- **Reduction of PS interruption in DTM – RR connection est. in packet transfer mode**

- GP-061346, GP-061347 CRs 44.060 approved

- In case of T3101/T3107 expiry before main signalling link establishment:
 - Network shall release the new resources (CS; CS+PS)
 - Network shall release the old (PS) resources if RR connection was mobile-originated
 - If RR connection was mobile-terminated, keep/release old (PS) resources depending on network implementation

Completed Rel-6 Work Items (2/4)

- **GAN**

- GP-061446 CR 44.318 agreed: Clarification on GANC Selection

Completed Rel-6 Work Items (3/4)

- PS HO

- Stage 2

- GP-061350 CR 43.129 endorsed: inconsistency removed
 - GP-061258 CR 43.129 endorsed: Behaviour explained in case of missing XID parameters at UTRAN>GERAN HO: reset to default parameters

- Missing information about lost MS

- No means for the SBSS to know if MS successfully arrived in target cell or if MS is lost (fails to access the target cell, fails to re-appear in the source cell)
 - Proposal to allow deletion of all PFCs at once (as opposed to repeated DELETE BSS PFC procedure)
 - GP-061259, GP-061260, GP-061261 CRs 43.129, 48.018 Postponed
 - Linked to GP-061405 CR 44.060 Postponed
 - Maintenance of Packet Resources in Source Cell during PS Handover

- Inclusion of CAMEL trigger points

- GP-061447 CR 43.129 endorsed, pending SA2 approval
 - LS to SA2 in GP-061448

- Clarification of scheduling of USFs in target cell

- GP-061449, GP-061450 CRs 44.060 postponed
 - Make sure the USFs are scheduled properly in the target cell to minimize the service gap at PS HO
 - Current N3101 increment in the target cell may trigger HO failure (not sufficient time for the MS to access the target cell)

Completed Rel-6 Work Items (4/4)

- **TEI-6**

- GP-061160, GP-061161 CRs 44.018 agreed: correction of modulo calculation
- MS behaviour upon reception of DTM ASSIGNMENT COMMAND message
 - Principles agreed in GERAN#29
 - GP-061451, GP-061452 CRs 44.018 agreed
 - GP-061453, GP-061454 CRs 44.060 agreed
- GP-061455, GP-061456 CRs 44.060 agreed
 - MS may send a Packet CS Request message during countdown of an uplink TBF not running in extended uplink TBF mode, provided MS has no downlink TBF
- GP-061418, GP-061419 CRs 48.018 agreed: correction of inconsistency (no Global RNC identifier in RIM Routing Information)
- GP-061470, GP-061471 CRs 43.064 not endorsed (Plenary)
 - C value calculation upon change of RR mode
 - RR mode need to be used
- GP-061400, GP-061481 CRs 43.055 not endorsed (Plenary)
 - GERAN1 discussion:
 - C value can be obtained from PDCH (not just BCCH)
 - Frequency parameters can change upon RR mode change (PDCH) hence C value cannot be reused
 - RR mode need to be used

Other technical work – Rel-7 – DTM Handover

- [GP-061181](#), [GP-061182](#) CRs 48.008, 48.018 open (~ related to GP-061259 etc – PS HO)
 - SBSS to initiate PS Handover Cancel upon T8 expiry
- 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
 - Not in-line with agreed principles although
 - What if PS CN fails?
 - [GP-061467](#), [GP-061249](#) CRs 43.055, 44.018 postponed
- Inter-RAT DTM HO:
 - [GP-061458](#) CR 43.055 endorsed
 - Defines procedures for inter-RAT DTM HO at a “high”-level
 - UTRAN>GERAN case should be the same as GERAN>GERAN case from TBSS standpoint (TBSS doesn't know as such that it is an inter RAT HO), hence previously agreed (TBSS behaving like a TRNC) principle appears wrong. Change needed and LS to be sent to other TSGs
 - LS sent to RAN2/3 in [GP-061399](#) to indicate this

Other technical work – Rel-7 – VGCS Enhancements

- GP-061425 CR 44.018 agreed
 - Clarification of the uplink access procedure
 - Higher repetition rate for uplink access for high priority access
- Clarification for radio resource assignment
 - Allow a per-cell radio resource assignment method when A-link sharing is used
 - Method used indicated in VGCS/VBS AREA INFO from MSC to BSS
 - GP-061391 CR 48.008 agreed
 - GP-061392 Draft CR 43.068 endorsed
 - LS to CT1 in GP-061393
- GP-061394 CR 44.018 agreed
 - Indicate which channel to use in Uplink Access: Group channel or RACH Access
 - Note that §3.4.4 "allocation of the uplink to the new subscriber is **confirmed**" need to be checked
- GP-061430 CR 48.008 agreed
 - Indicate Talker priority in Uplink Reject Command message: current priority, rejected priority
- GP-061460 CR 48.008 agreed
 - Misc. corrections of the procedure for release of radio and terrestrial resources upon BSS-generated reason
- GP-061395 CR 48.008 agreed
 - Clarification of the VGCS/VBS Assignment procedure in case group call re-establishment by the BSS is supported (by the BSS)
 - Add additional causes so that the MSC can distinguish the cases when the call has been released due to failure/congestion from those when normal de-allocation occurs

Other technical work – Rel-7 – GERAN Evolution

- Dual Carrier Downlink
 - Stage 2
 - GP-061474 CR 43.064 endorsed
 - Stage 3
 - List of expected changes outlined in GP-061251
 - LQM reporting
 - One report per a given Ack/Nack message
 - DTM case to be investigated further
 - Frequency parameters encoding
 - Full flexibility needed to assign two independent downlink carriers i.e. two separate set of parameters needed
 - GERAN2 to optimize the coding to allow for this while limiting the required signalling

Other technical work – Rel-7 – GERAN Evolution

- Latency enhancements
 - RTTI: 10ms, 4 bursts (2 timeslots)
 - 10ms dynamic allocation granularity needed ("*USF granularity 1 on a 10ms basis*"):
preserve a per RLC/MAC block scheduling possibility between MSs as today
 - Fast Ack/Nack
 - No agreement on whether to have independently coded bitmap or not
 - Issue with MS implementation and reaction time: simulations needed to see performance impact of MS reaction time – tradeoff between feasibility and performance
 - BSN-based approach: uplink and possibly in downlink
 - Time-based approach: further investigations needed (downlink only)
 - To fully exploit GERAN Evolution items boosting data rates, latency reduction appears needed (as evaluated for DSR in GP-061219)
 - MS/BSS link identified as a main contributor of latency

Other technical work – Rel-7 – A-GNSS

- Not discussed

Other technical work – Rel-7 – PS Conversational

- PS Conversational Services
 - Discussion on non-persistent RLC mode, using timer based approach
 - GP-061407 (Rel-6), GP-061408 CRs 44.060 postponed
 - Counter-proposal presented in GP-061434: no support as of yet
 - Misc. Concerns (mechanisms and assumptions on which it is based)
 - Evaluations needed

Other technical work – Rel-7 – LCS Enhancements for LBS

- GP-061445 CR 48.071 postponed
 - Addition of BS power offset and DTX flag indication for Measurement Reports
 - More time requested to check the details of the proposal

Other technical work – Rel-7 – TEI-7

- “Assignment” vs “Allocation”
 - GP-061439, GP-061440 CRs 43.064 endorsed
 - GP-061190 CR 44.060 agreed
- GP-061396 CR 48.008 agreed
 - Clarify how segmentation of Cell Identifier List is done: first segment in VGCS/VBS ASSGINEMNT REQUEST message, other segments in VGCS/VGCS AREA CELL INFO
- GP-061441 CR 48.008 agreed: Talker priority and A-interface link sharing interaction
 - Talker Priority added to relevant BSSMAP messages
- GP-061268 CR 44.018 agreed
 - Clarify truncation of P1 and P2 Rest Octets (see CT1 LS)
- GP-061443 CR 44.060 agreed
 - If MCS-8 is requested but only one RLC data block is to be sent, MCS-6-pad is permitted
- CS Video support in GAN
 - GP-061442 CR 44.018 agreed
 - GP-061271 CR 44.318 agreed
 - New Channel Mode used: 64.0kbits/s transparent data, to be used for GAN only

Other technical work – Rel-7 – Others

- New proposed WIDs (Plenary)
 - GP-061349: PS HO for GAN
 - GP-061433: Enhancements for VGCS Applications

Outgoing LSs

- GP-061341 Reply LS to CT4, CT4 cc RAN3 on MBMS Service Area Identity semantic definition
- GP-061397 Reply LS to SA1 on the Vocabulary TR, TR 21.905
- GP-061398 Reply LS to CT 1 on Incorrect handling of messages if truncation is used
- GP-061393 LS to CT1 on Correction for radio resource assignment (VGCS)
- GP-061448 LS to SA2 on introduction of CAMEL Trigger points
- GP-061399 LS to RAN2, RAN3 on Inter RAT DTM HO

Future meetings

- GERAN2#31 05-07 September 2006 Denver, USA
- 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