

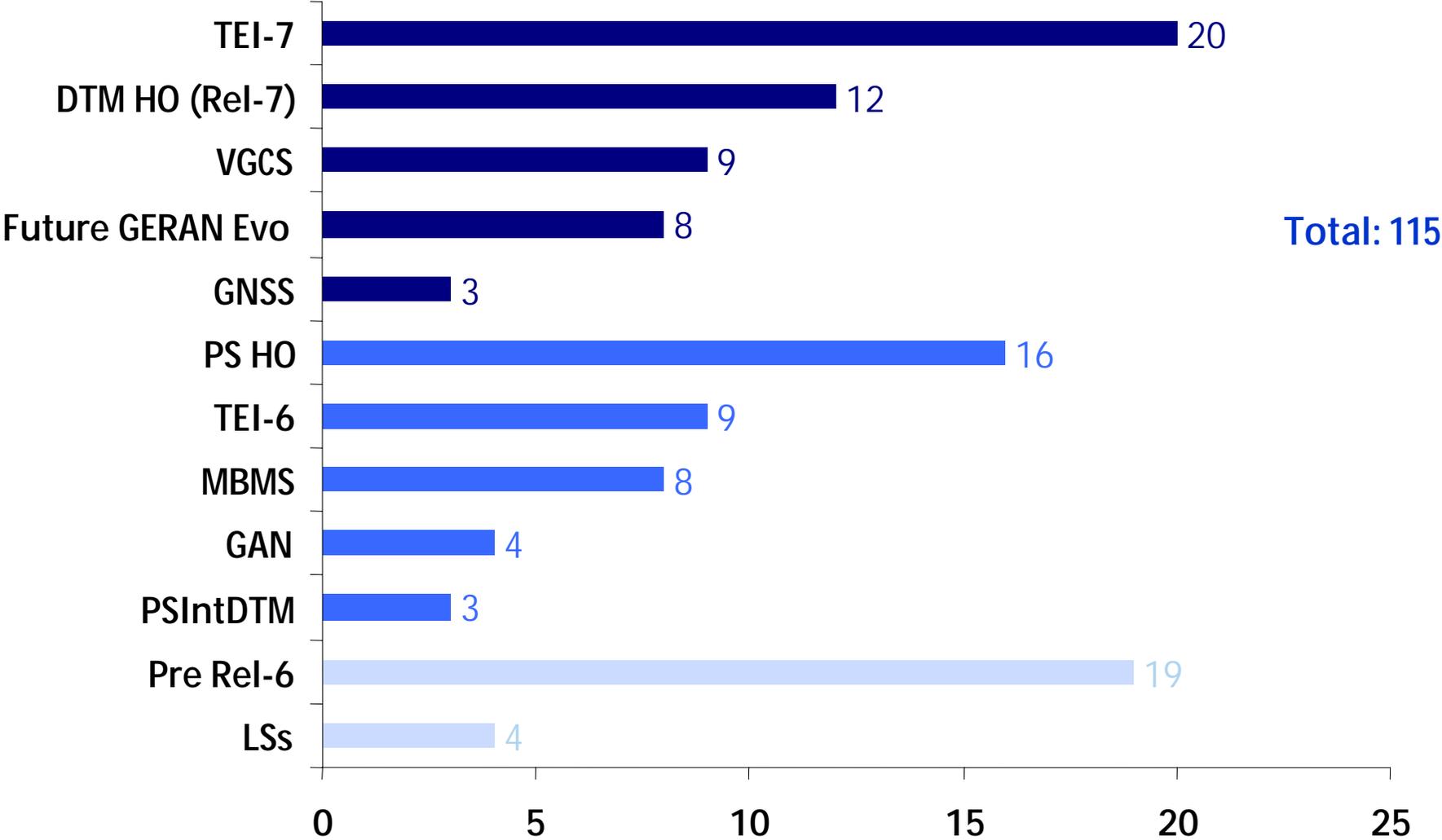
# Chairman's Summary

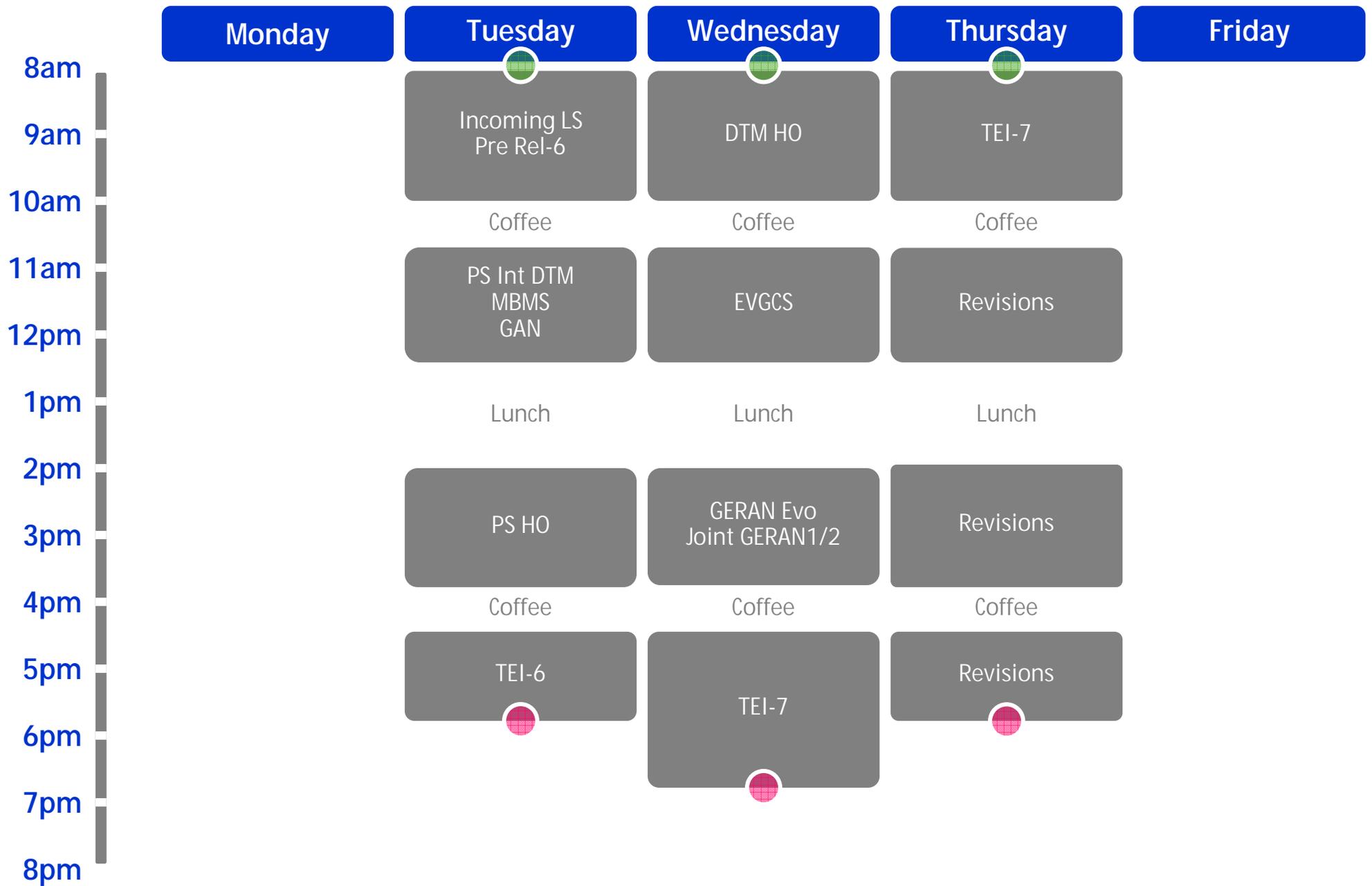
3GPP TSG GERAN2#28 – Brussels

17 – 19 January, 2006

Guillaume SÉBIRE (Nokia-TP/Hki)

# Incoming Contributions per Agenda Item





3GPP TSG GERAN#28 – Brussels, Belgium

# Pre Rel-6 Corrections

- [GP-060331](#), [GP-060332](#), [GP-060333](#) CR 05.15, 45.015 (R99 – Rel-5) DARP implementation guidelines update agreed
  - Account for MS on the field introduced before new capability indications in Rel-6
  - “0” after the DARP field not to be considered as an error
- TLLI Contexts in BVC Reset Procedure
  - [GP-060016](#), [GP-060017](#), [GP-060018](#), [GP-060019](#) CR 48.018 (Rel-4+) rejected
  - Deleting TLLI contexts at BVC Reset would violate GMM: not needed at SGSN
  - There could be some issue on BSS side, but it should not be solved as proposed in the CR
- Correction to SNS-SIZE procedure
  - [GP-060211](#), [GP-060212](#), [GP-060213](#), [GP-060214](#) CR 48.016 (Rel-4+) rejected
  - Functional change to Rel-4
  - Some clarification made in Rel-7: see [GP-060451](#)
- Cipher mode setting in DTM
  - Possibility to change cipher mode while in DTM (as in dedicated mode)
  - Use case unclear and to be investigated
  - [GP-060215](#), [GP-060216](#), [GP-060217](#) CRs 44.018 (Rel-4 – Rel-6) rejected
  - [GP-060219](#), [GP-060220](#), [GP-060221](#), [GP-060222](#) Draft CRs 24.008 (Rel-4 – Rel-6) not presented
  
  - [GP-060218](#) CR 44.018 (Rel-7) postponed to clarify the use case
  - [GP-060222](#) Draft CRs 24.008 (Rel-7) noted

# Completed Rel-6 Work Items

- PSIntDTM
  - (E)GPRS Resource Information in DTM Information message: provision of (E)GPRS Timeslots in use in the old cell to facilitate allocation of PS resources once in the new cell
    - QoS information readily available as per PFCs deemed sufficient. Additional indication of PS timeslots in use not deemed useful
    - [GP-060181](#) CRs 48.008 (Rel-6) rejected
    - [GP-060417](#) CRs 48.008 (Rel-7) withdrawn
- MBMS
  - [GP-060204](#) CR 43.246 Correction to MBMS transfer mode endorsed
  - [GP-060177](#), [GP-060178](#) CRs 44.018 Conflicting message type for MBMS ANNOUNCEMENT (Rel-6+) Agreed
  - [GP-060179](#), [GP-060180](#) CRs 44.060 Correction to wrong message reference for MBMS Downlink Ack/Nack (Rel-6+) Agreed
  - [GP-060463](#), [GP-060464](#) CRs 44.060 MBMS Transfer Mode. Agreed
  - Permeable Layer Receiver: some additional analysis provided that need further work in SA4/CT1
- GAN
  - [GP-060103](#) CR 44.318 RTP Packets: NO\_DATA sent when no speech sent. Agreed
  - [GP-060337](#) CR 44.318 RTP Frame Loss Clarification. Clarify computation of RTP Frame loss. Agreed
  - [GP-060338](#) CR 44.318 Editorial modifications. Agreed
  
  - [GP-060460](#) CR 43.318 inter RAT UTRAN to GAN Handover Endorsed
  - [GP-060399](#) CR 44.318 Inter RAT UTRAN to GAN Handover Agreed
  - Note: what group would be responsible for defining test cases for this: RAN5/GERAN3?

# Completed Rel-6 Work Items – PS Handover in A/Gb mode

- Stage 2
  - Misc: [GP-060226](#) CR 43.129 Various updates agreed
  - XID Negotiation
    - Introduce description of XID negotiation when the SGSN indicated 'Reset to the old XID parameters' is missing
    - [GP-060227](#) CR 43.129 Correction to XID negotiation rejected
    - [GP-060459](#) CR 43.129 Correction of XID negotiation. Endorsed
  - User-plane data forwarding
    - Alignment with 3GPP TS 29.060, 23.060
    - Removal of the possibility to send user-plane payload directly from the source RNC/BSS to the new SGSN and from the old SGSN to the target RNC/BSS. All user-plane payload is required to pass through the involved SGSNs
    - [GP-060420](#) CR 43.129 endorsed
  - Condition for UL Data transfer
    - Account for the reception of USF in all RLC/MAC blocks not just RLC/MAC blocks for data transfer
    - [GP-060342](#) CR 43.129 endorsed
- Stage 3
  - NW Synchronization cases
    - [GP-060447](#), [GP-060448](#) CR 44.060 agreed
  - T14 Expiry clarification
    - [GP-0060345](#), [GP-060346](#) CRs 48.018 agreed
  - Definition of abnormal cases
    - [GP-060347](#), [GP-060449](#) CRs 44.060 agreed
    - Allow random access in the old cell in case of HO failure and return to the old cell
    - Investigate on the cause codes that would need to be reported in the PS HANDOVER FAILURE message. Currently, only "PS Handover Failure" is possible, which does not allow for distinguishing the cause for failure (could be e.g. access failure in target cell or problem with PS HO Command). To be addressed in the next meeting
  - Support of extended RLC/MAC control message segmentation
    - Extended RLC/MAC Control message segmentation is mandatory with PS HO
    - [GP-060291](#), [GP-060292](#) CRs 44.060 agreed
  - Misc. Corrections
    - [GP-060452](#), [GP-060453](#) CRs 44.060 agreed
- RIM vs Transparent container
  - RAN3 indicated to specify transparent container solution for Inter RAT UTRAN>GERAN PS Handover
  - Support for both RIM and transparent container solutions in GERAN2
  - CRs to be drafted according to RAN3 request

# TEI-6

- Repeated FACCH/H
  - [GP-060401](#) CR 44.006 (Rel-6) agreed
- Corrections to SI2n
  - [GP-060171](#), [GP-060172](#) CRs 44.060 agreed
- Corrections to PACKET SI STATUS
  - [GP-060173](#), [GP-060174](#) CRs 44.060 agreed
- Correction to CSN.1 of PCCN
  - [GP-060175](#), [GP-060176](#) CRs 44.060 agreed
  
- CKSN in Talker indication
  - CKSN sent in talker indication if group call is ciphered
  - [GP-060298](#), [GP-060467](#) CR 44.018 agreed

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

- Note: PS HO is a pre-requisite for DTM HO
- Stage 2
  - Introduction of DTM Handover
    - [GP-060402](#) CR 43.055 endorsed
  - Misc. issues
    - GP-060320
    - Cause values in PS HANDOVER NACK do not allow for distinguishing whether resources have been assigned or not, and therefore do not allow for knowing whether HO CMD or DTM HO CMD is included in the HO REQUEST ACK message
      - Proposal to use only DTM HO CMD also when only CS resources have been allocated by TBSS
    - Proposal to allow SBSS to continue with CS alone (when HO ACK received, including DTM HO CMD) when CS resources are known to be assigned
      - i.e. without waiting for PS domain response (be it ACK or NACK)
    - Optimise coding of DTM HO CMD to limit its transmission time over the air interface
  - Critical resource indication
    - Allows SBSS to indicate the TBSS that PS resources are as critical as CS (CS is by default critical). DTM HO would not proceed if not all critical resources are allocated: no agreement yet as to the need for this mechanism
    - [GP-060196](#) CR 43.129 postponed
    - [GP-060199](#) (Draft) CR 43.055 noted without presentation
    - [GP-060197](#), [GP-060198](#) CRs 44.060, 48.018
- Inter-RAT
  - [GP-060404](#) endorsed by GERAN2 and sent to RAN2, RAN3 and CT1 in GP-060454 along with GP-060402
  - Ask these groups to review the concept
  - RAN2, RAN3 asked to make corresponding CRs
- Stage 3
  - CRs seen to 48.008, 48.018, 44.018 and 44.060: postponed/noted.
  - Detailed comments to be provided to Ericsson and Siemens offline
  - [GP-060194](#) Draft CR 48.008 noted: Try and include DTM HO using existing procedures.
  - [GP-060195](#) Draft CR 48.018 noted: Try and include DTM HO using existing procedures.
  - [GP-060231](#) CR 44.018 postponed: Handover Failure vs DTM Handover failure open
  - [GP-060232](#) CR 44.060 postponed
  - [GP-060405](#) Draft CR 24.008 sent to CT1 in GP-060456

## Other technical work – Rel-7 – VGCS Enhancements (2/7)

- "AMR" for VGCS
  - Introduction of TCH/AFS and TCH/AHS for VGCS listeners
  - GP-060407 CR 44.018 postponed. More work needed
- GP-060456 CR 48.008 A-interface link sharing. Agreed
  - Move the broadcast point (for user and control plane) from MSC down to BSC
  - Yields reduced A-interface signalling load in case of a group call spread over different cells (BSCs)
- Talker priority using RACH
  - Provides a talker priority solution where the current talker uses the group call channel uplink
  - GP-060409 CR 44.018 Agreed
  - GP-060410 CR 48.008 Agreed
- SMS to group call
  - Allows sending of SMS to a group call
  - Discussion paper presented highlighting the concept in GP-060106, as was requested in GERAN#27
  - GP-060411 CR 44.018 Agreed
  - GP-060108 CR 48.008 Agreed
- GP-060109 CR 48.008 VGCS Additional information Agreed

## Other technical work – Rel-7 – Future GERAN Evolution (3/7)

- TTI Reduction
  - More evaluation needed
  - 10 ms TTI requires CS1 blocks be sent in 20ms for muxing with legacy MS
    - Impact to be evaluated
  - TTI reduction targetting VoIP support:
    - Comparison needed vs dedicated channels + FLO that was evaluated few years ago
    - Work to be made within the scope of SCSAGB2 WID
    - If TTI reduction et al. provides sufficient gain (wrt complexity) for other services, then should be considered too

## Other technical work – Rel-7 – Early TBF allocation (4/7)

- Need for separate indication to request an early TBF allocation
  - 2-PA used, explicit request in PRR message
  - When received, the network should maintain the established TBF in extended UL TBF mode
- No need for UI Dummy Command LLC PDU. Use a valid LLC PDU e.g. such as used for cell update
- [GP-060457](#) CR 44.060 Agreed

# Other technical work – Rel-7 – TEI-7 (5/7)

- Optimised DL GPRS/EGPRS Signalling for resource allocation
  - Proposal to use unused RRBP/(E)S/P combinations
  - Ack/Nack: more evaluation needed as to the benefit
  - Allocation of previously assigned TBFs: concerns raised as to its usability in practise esp. wrt Ext UL TBF mode
- **GP-060105** CR 48.008 Optimisation of HO CMD for VGCS Talker postponed
  - Unclear as to whether changes would also be needed in 44.018
  - To be investigated further
- **GP-060110** CR 48.018 Cross-reference to velocity data. Agreed
- **GP-060414** CR 44.060 Clarification to LQMM interpretation. Agreed
- **GP-060138** CR 44.060 Misc corrections agreed
- **GP-060413** CR 44.060 Validity of PC parameters received on PACCH. Agreed
  - Clarify the MS shall use the latest Global PC parameters received
- **GP-060238** CR 48.018 Clarification of the contents of the Reporting Cell Identifier IE, agreed
- 3G Parameters in SI2 Rest Octets: NCell info removed from SI2ter
  - **GP-060287** CR 44.018 postponed
  - **GP-060288** CR 44.060 postponed
  - Consider removing NCell info from SI2ter in NW implementation using those, for scrambling code is not provided along with UARFCN. If this is not possible, MS behaviour should be clarified:
    - Either ignore the parameters received; or
    - Clarify how to perform the acquisition of scrambling code
- **GP-060416** CR 48.006-0010 Quasi-associated mode of signalling on the A-interface. Agreed
  - Allows support of A-flex without separate links to MSC
- **GP-060458** CR 48.016 Corrections to IP sub-network service procedures related to IP endpoints configuration. Agreed

## Other technical work – Rel-7 – TEI-7 (6/7)

- MBMS Cell Re-selection enhancement
  - General agreement to improve cell re-selection when MS ID is assigned in the old cell, to fasten the fast reception resumption
  - No agreement on the solution
    - Provision of MS\_ID and other necessary parameters to be used in the target cell, through MNCI in the old cell
      - Concern this applies only for intra-BSS case
      - No support in inter BSS
      - Concern as to potential expiry of the new MS ID prior to moving to the new cell; or as to the MS not being able to get its MS ID if cell reselection criteria are fulfilled and cell reselection is already triggered
    - Provision of the USF and other necessary parameters to be used in the target cell, through MNCI. USF would indicate MPRACH on the UL part of the P-t-m channel

MS would perform a “two-phase access” on the p-t-m channel to get its MS\_ID

RIM Application defined to convey MBMS ptm parameters between cells can be reused to convey the USF

- See GP-060234 (discussion), GP-060235 (postponed), GP-060236 (postponed)

## Other technical work – Rel-7 – TEI-7 (7/7)

- SIGTRAN on A, Lb, Lp
  - Draft CRs submitted but not discussed given no WID had been approved
  - Companies encouraged to review and comment the CRs until GERAN2#28bis
    - **GP-060239** Draft CR-43.059: Inclusion of Support for SIGTRAN on Lb-interface
    - **GP-060240** Draft CR-48.001: Inclusion of Support for SIGTRAN on A-interface
    - **GP-060241** Draft CR-48.006: Inclusion of Support for SIGTRAN on A-interface
    - **GP-060242** Draft CR-49.031: Inclusion of Support for SIGTRAN on Lb- and Lp-interfaces

## Other technical work – Rel-7 – Other (6/6)

- A-GNSS
  - GP-060268 Background for stage 2, postponed
  - GP-060269 CR 43.059 Introduction of A-GNSS, postponed
  - Justification needed for improvements
  - Description of Galileo is needed, beside that of GNSS
  - Provision of MS assistance to be discussed further
- LLC/SNDCP Optimisations for VoIP
  - GP-060229 LLC Optimisations for VoIP
  - GP-060230 SNDCP Optimisations for VoIP
  - Some work was done a few years ago: see e.g. GERAN#13 GP-030321: Feasibility Study on PS Conversational Services in A/Gb mode (closed in GERAN#13)

# Outgoing LSs

- GP-060454 LS to RAN2, RAN3, CT1 on Inter RAT DTM Handover
- GP-060455 LS to CT1 on DTM Handover capability indication

## Future meetings

- GERAN2#28bis 20-24 March 2006 Paris, France (TBC)
- 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