

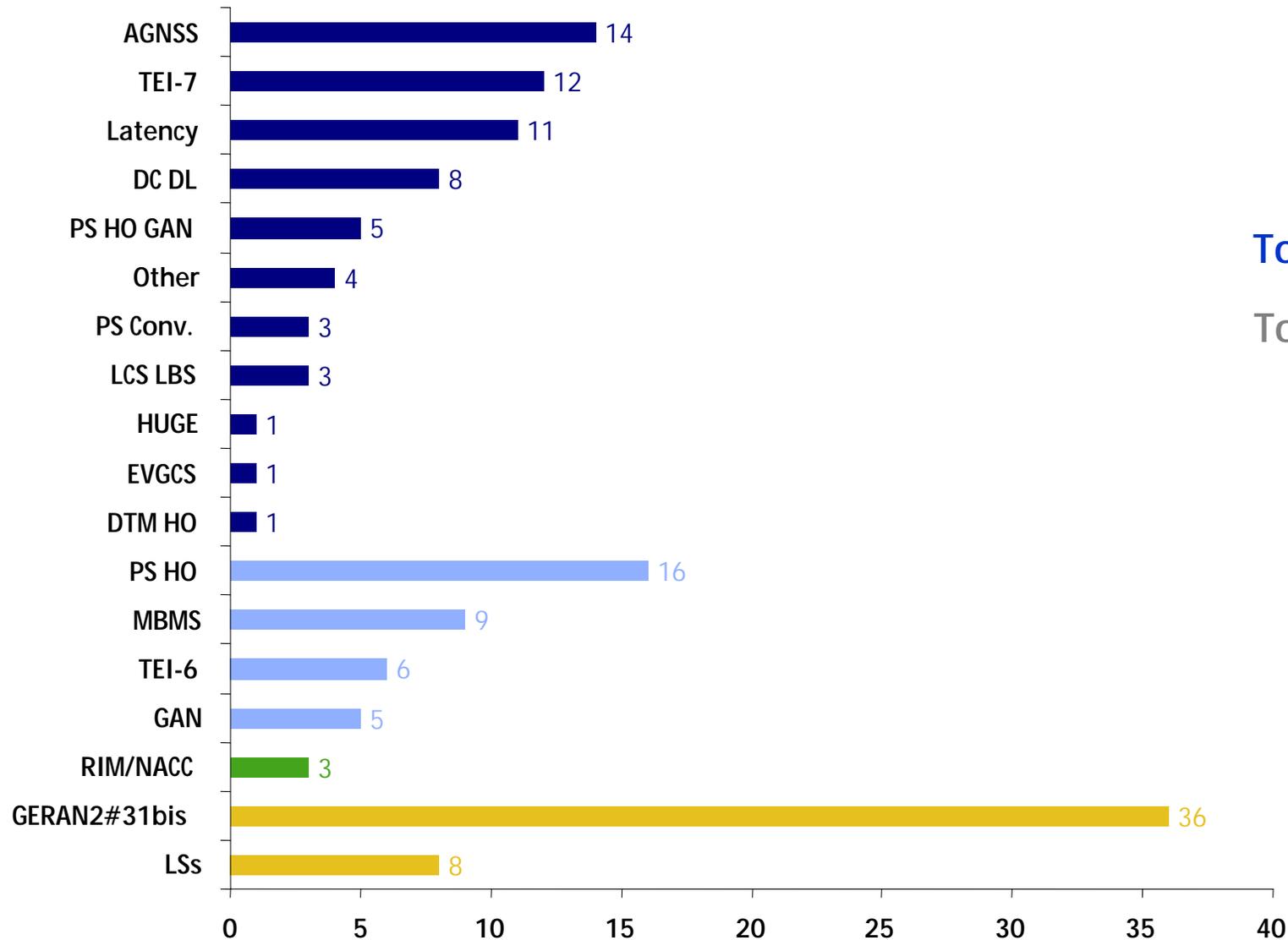
3GPP TSG GERAN2#32

Sophia Antipolis, France, 14-16 November, 2006

Chairman's summary

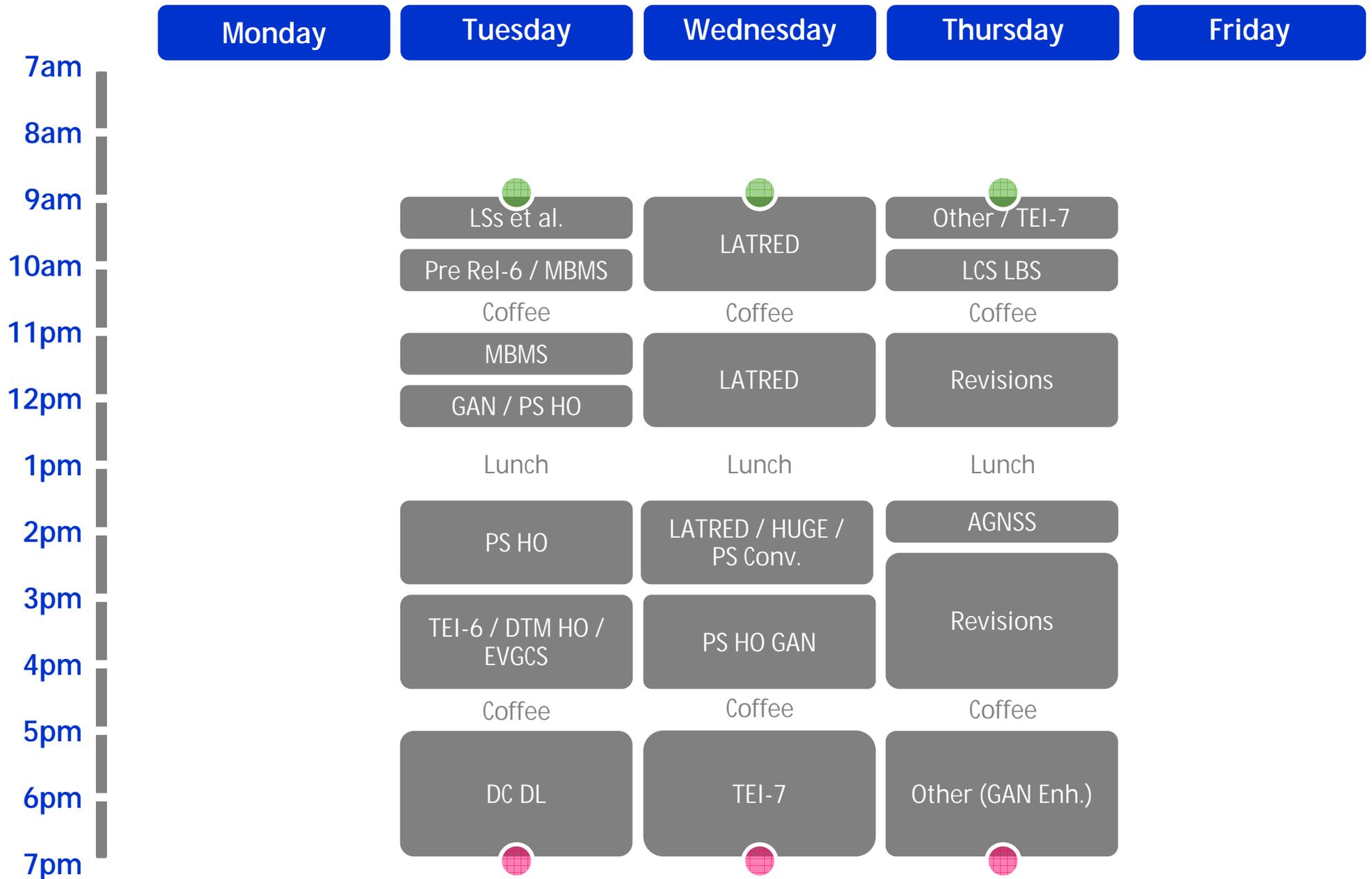
Guillaume SÉBIRE (Nokia-TP/Helsinki)

Incoming Contributions per Agenda Item



Total: 146

Total (end): 250



SA3 issue on Algorithm Change [G#31]

- **Pending:** 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)

SA2 – Direct Tunnel (Rel-7)

- **Pending:** GERAN2 to review whether any change to GERAN specifications is needed to reflect the direct tunnel approach (U-plane)

Pre Rel-6 Corrections

- GP-062352, GP-062414, GP-062354 CRs 48.018 : Response from SBSS when a RIM application is disabled
 - Scenario: RIM protocol supported, but some RIM application disabled
 - BSS to report RAN INFORMATION ERROR PDU back to the originating BSS

Completed Rel-6 Work Items (1/4)

- **MBMS**

- NPM Transfer Time

- [GP-062411](#), [GP-062412](#) CRs 43.246 endorsed: Introduction of NPM Transfer Time
 - Description of MS and NW behaviour
- [GP-062369](#), [GP-062370](#), [GP-062371](#), [GP-062372](#) CRs 44.060, 44.018 approved: Correction to the inclusion of NPM Transfer Time in MBMS Session Parameters List IE
 - NPM Transfer Time and EGPRS window size: session-specific parameters

- Misc Corrections

- [GP-062136](#), [GP-062137](#) CR 48.018 approved: Correction to MBMS Session Repetition Number IE
- [GP-062138](#) CR 44.060 approved: inconsistency between Rel-6 and Rel-7 regarding naming of a field in MNCI message

Completed Rel-6 Work Items (2/4)

- **GAN**

- GP-062357 CR 43.318 endorsed
 - MS threshold for GERAN > GAN handover (when RxLev from serving cell drops below that threshold) to be implementation specific – no threshold available in dedicated mode
- **CR 44.318**: pre-GAN Release 1 indication
 - Proposal per which an access of a pre-GAN Release 1 MS would be rejected by the GANC
 - GERAN2 decision not to mandate a GANC behaviour for an access which is not a 3GPP-defined access
- GP-062270, GP-062271 CRs 44.318 approved: GAN 3G Early Classmark Correction

Completed Rel-6 Work Items (3/4)

- **PS HO**

- [GP-062373](#) CR 43.129 endorsed: Clarification of PS HO Execution Phase
- [GP-062365](#) CR 43.129 endorsed : Clarification PS Handover Cancel
- Activity Status Indicator
 - SA2 rejected GERAN2 suggestion to introduce ASI in Rel-6: no technical argumentation raised!
- Active PFCs in PS HO Required
 - Active PFC: implementation specific definition – set of PFCs to be handed over for which resources should be allocated
 - Indication in PS HANDOVER REQUIRED PDU message from SBSS to SGSN so the SGSN requests resources only for the active PFCs ⇒ Avoid wasting resources in the target BSS
 - [GP-062415](#) CR 43.129 endorsed
 - [GP-062416](#), [GP-062417](#) CRs 48.018 approved
- Non-critical PS HO reject
 - Allows the TBSS to reject a non-critical PS HO when no radio resources can be allocated in the target cell for any of the PFCs
 - ⇒ prevents the SBSS to later cancel the handover
 - ⇒ avoids unnecessary reservation of resources in the target cell
 - [GP-062418](#) CRs 43.129 endorsed
 - [GP-062481](#), [GP-062482](#) CRs 48.018: plenary
- Extension of PS HO Command to accomodate for future changes
 - [GP-062374](#) CR 44.060 approved
- PS HO Cause Values
 - [GP-062375](#), [GP-062376](#) CR 48.018 approved: Cause value for CS interaction
 - [GP-062462](#), [GP-062463](#) CR 48.018 approved: Cause value mapping for inter RAT PS HO
 - LS in [GP-062466](#) on Cause value mapping between BSSGP and RANAP for inter RAT PS HO

Completed Rel-6 Work Items (4/4)

- **TEI-6**

- [GP-062218](#) CR 44.006 approved: applicability of requirements for FACCH/SACCH
 - Reference to performance requirements in a single specification: 45.005
- [GP-062234](#), [GP-062235](#) CR 48.018: removal of duplicate cause value for O&M intervention
- [GP-062464](#), [GP-062465](#) CRs 44.018: MTBF Capability
 - Encoding of MTBF capability using "L/H" instead of "0/1" to avoid misinterpretation of padding bits as MTBF capability

Rel-7 – DTM Handover

- **Critical PS indication**

- Updated proposal in GP-062227 – more work needed
- Optional indication of critical PFCs
- Criticality PS resources = criticality CS resources
- Inter-RAT not supported

- More work needed

Rel-7 – VGCS Enhancements

- GP-062467 CR 44.018 approved: sending of SMS to group call
- GP-062351 CR 48.008: misc updates for A-interface link sharing and group call re-establishment

Rel-7 – VGCS Enhancements for VGCS Apps

- None

Rel-7 – DC DL (1/2)

- **Carrier ID**

- Not to be introduced along with TFI and TN
- Single carrier TBF: TBF has its reverse PACCH on the same carrier
- DTM:
 - DC DL TBF on carriers C1 and C2, UL PACCH must be on C1 (C1 = CS carrier)
 - No DL TBF on C2 alone

- **MS capabilities**

- [GP-062390](#) Draft CR 24.008 endorsed
 - 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
 - Sent to CT1 in GP-062443

- **Stage 3**

- Discussion paper in GP-062241 highlighting possible state/assignment transitions due to DC assignments
 - Companies invited to provide comments offline asap
 - Basis for stage 3 CRs (procedures)
- Procedure description
 - [GP-062229](#) CR 44.060 postponed
 - [GP-062226](#) CR 44.018 postponed
- Message encoding
 - GP-062480 CR 44.060 plenary
 - [GP-062475](#) CR 44.018 approved conditionally to approval of 44.060 CR

Rel-7 – DC DL (2/2)

- Proposal in GP-062125 for allowing assignment of dual carrier on uplink irrespective of dual carrier assignment in the downlink
 - Evaluation needed

Rel-7 – Latency Enhancements

- **RTTI**

- Mix of TTI between UL/DL for a given MS or not
 - Proposal to have PACCH of a TBF using a different TTI than the TBF itself (in reverse direction)
 - Evaluation needed (by means of simulation)
- EDA to support RTTI
 - Proposed solution in GP-062255 – further review needed
- [GP-062483](#) CR 43.064 endorsed: Introduction of Reduced TTI

- **Fast Ack/Nack**

- Time-based approach vs. SSN-based approach (BSS>MS) for UL ack/nack
 - SSN-based approach to be supported both for UL and DL ack/nacks
 - Open whether to have time-based approach for UL ack/nack as an option
- SSN-based approach
 - Existing payloads to be preserved: MCS-4 and MCS-9 not to include a Fast Ack/Nack
- Partial bitmap reporting approach needed – details to be defined
- Variable-size bitmap
 - No agreement yet

Rel-7 – HUGE

- **Working assumptions**

- Proposal in GP-061995: to be reviewed by GERAN#33
- No concern highlighted – approval expected in GERAN#33

Rel-7 – PS Conversational

- GP-062468 CR 43.064 endorsed: introduction of RLC NP mode
- GP-062469 CR 44.060 approved : correction on action at expiry of transmitter NPM timer
 - Allows retransmission of RLC PDU containing (segments of) LLC PDUs for which NPM timer has not expired
- GP-062243 Enhancement to NPM Ack/Nack
 - Feasibility questioned

Rel-7 – GERAN Evolution - General

- **G#31: 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
- **GERAN2 recommendation to define that**
 - The support (and use) of RTTI and FANR be coupled both in networks and terminals – one unique capability
 - New coding schemes for GERAN Evolution (e.g. HUGE) not to natively support RTTI

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
- [GP-062470](#), [GP-062119](#) CRs 43.129, 43.318 endorsed
 - [GP-062258](#), [GP-062259](#) CRs 44.060, 44.318 postponed
 - Draft CRs 25.922 (TR under RAN2 responsibility) endorsed
 - [GP-062260](#) PS HO GAN/UTRAN will be described (Rel-7) - GUGAN
 - [GP-062477](#) GAN CS part (Rel-6+) – GAN
 - LS in GP-062484 including GP-062260, GP-062477

Rel-7 – A-GNSS

- Consensus found offline – to be reported to plenary in GP-062472
- Provides support for
 - Galileo native data
 - (Some) Performance enhancement features
 - E.g. code phase measurements, hybrid constellation, ...
- GP-062181, GP-062182, GP-062183, GP-062408, GP-062184: CRs 48.008, 48.018, 44.118, 49.031; Draft CR 24.008 postponed
- GP-062407 CR 44.031 approved: introduction of A-GNSS to RRLP

Rel-7 – A-GPS Minimum Performance Requirements

- **A-GPS Minimum Performance requirements**
 - **Introduction of response time in measurement request**
 - A-GPS Minimum Performance Requirements require an MS response time of 20 seconds (Time-To-First-Fix)
 - Proposal to add an optional explicit indication from the SMLC to the MS to inform about the required response time
 - Some concern expressed about SMLC impact while an existing field could be reused for this purpose
 - **GP-062071** CR 44.031 postponed
 - **GP-062413** CR 44.014 approved: Addition of Reset MS Positioning Stored Information command
 - Test Reset command needed to clear all previously stored GPS assistance data from the MS (and derived values), so a “cold start” can be used for every fix in corresponding A-GPS minimum performance time-to-first-fix test cases

Rel-7 – TEI-7 (1/2)

- **Flexible Timeslot Assignment**

- No protocol impact identified on RLC/MAC
 - Flexible Timeslot Assignment fully compatible with current procedures
- [GP-062402](#) CR 44.060 approved conditionally to approval of 45.002 CR
- [GP-062403](#) Draft CR 24.008 endorsed conditionally to approval of 45.002 CR
- Draft LS to CT1 in GP-062080: Plenary
- [GP-062405](#) CR 44.060 approved: HCS_THR range and unit (dB)
- [GP-022485](#) CR 44.060 approved: random access failure at expiry of T3170
 - Revision needed in plenary
- [GP-062406](#) CR 44.060 decoupling the support of MTBF and RLC NP mode (as decided in GERAN2#31bis)
- [GP-062410](#) CR 48.018 approved: Usage of TLLI for BSSGP
 - Clarification of current usage
- [GP-062238](#) CR 48.018 Clarification of FLUSH-LL procedure
- [GP-062245](#) CR 44.318 approved: correction on GANC action of Registration Update procedure
 - GANC not to send GA-RC REGISTER REDIRECT to an MS in GA-PSR-ACTIVE state to limit PS service gap
- [GP-062240](#) CR 44.014 approved: use of EDA in loopback mode

Rel-7 – Other

- **GP-062030** Draft CR 24.008 endorsed: Introduction of DARP Ph 2 Indicator bit
 - Note: Incremental support of DARP Ph 1, DARP Ph 2
 - LS to CT1 in **GP-062409**
- **GP-062280** Enhanced L2 Multi-block HO Command Signalling
 - BSS to transmit all the blocks of the multi-block Handover Cmd (or Assignment Cmd) message repeatedly in a cyclic manner
 - Cyclic repetition indicated to the MS (Rel-7)
 - GERAN1 evaluation needed
 - Severity of the problem in light of existing Repeated FACCH
- **GAN Enhancements**
 - A/Gn proposal presented – to be further investigated

Rel-7 – GERAN/LTE Interworking

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

- No progress (no inputs)

Outgoing LSs

- GP-062443 LS to CT1 on downlink Dual Carrier multislots capability indication
- GP-062453 LS to CT1 on DARP Ph 2 support indication
- GP-062466 LS to CT4 cc RAN3 on Cause Mapping between RANAP and BSSGP for inter RAT PS Handover - **Plenary**
- GP-062484 LS to RAN2 on GAN CS Handover and PS Handover Impacts on 3GPP TS 25.922
- GP-062444 LS to SA2 on CAMEL Trigger Points for PS Handover

AOB

- None

Future meetings

- **GERAN2#33** **12 – 16 February 2007** **Seoul, South Korea**
- GERAN2#33bis 26 – 30 March 2007 Montreal, Canada
- GERAN #34 14 – 18 May 2007 Shenzhen, China
- GERAN2#34bis 25 – 29 Jun 2007 Póvoa de Varzim, Portugal
- GERAN #35 27 – 31 August 2007 Dublin, Ireland
- GERAN2#35bis 08 – 12 Oct 2007 Sophia Antipolis, France
- GERAN #36 12 – 16 November 2007 TBD, USA