

3GPP TSG GERAN2#38bis

Xi'an, P.R.C., 24 – 27 June, 2008

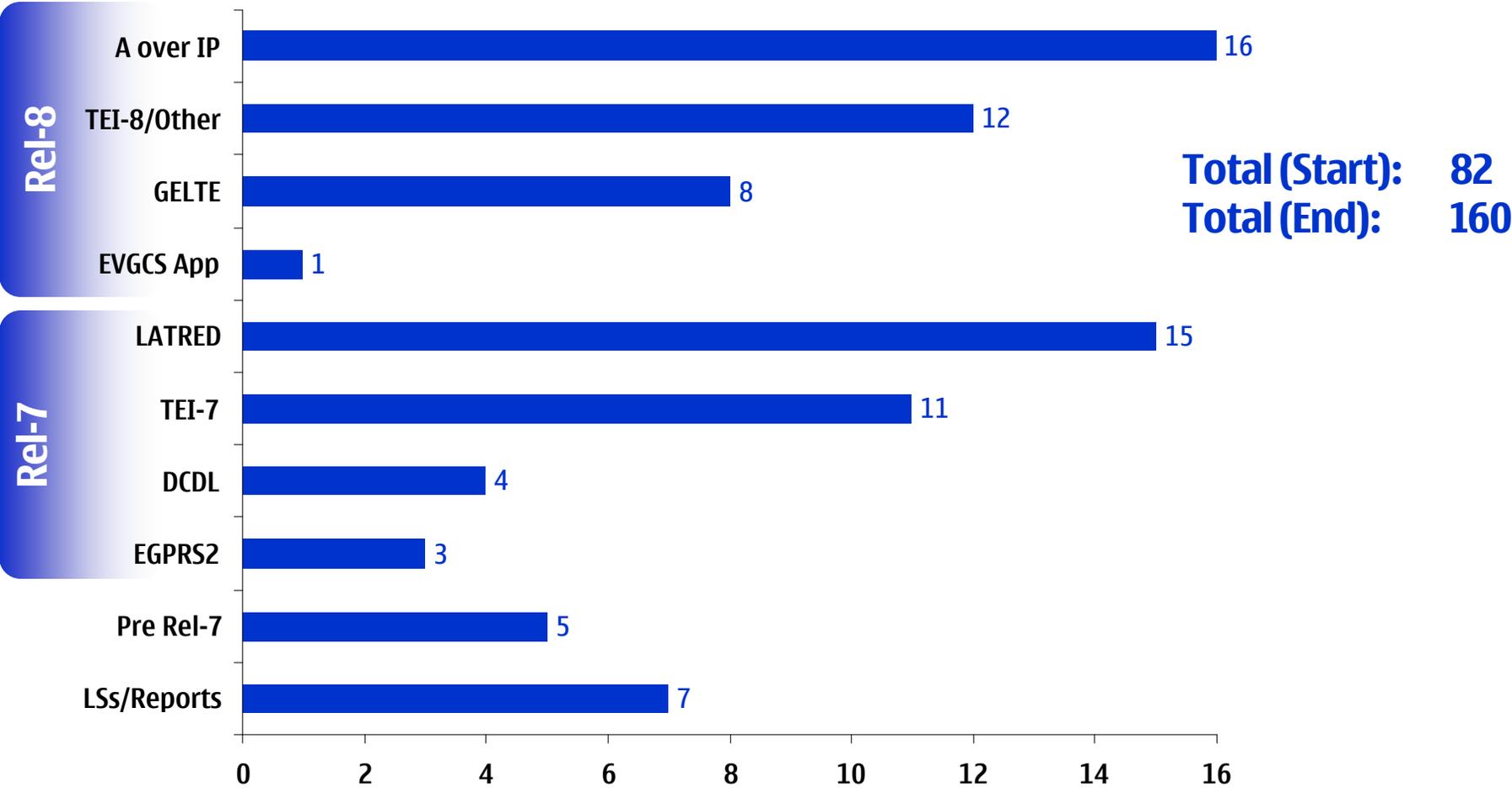
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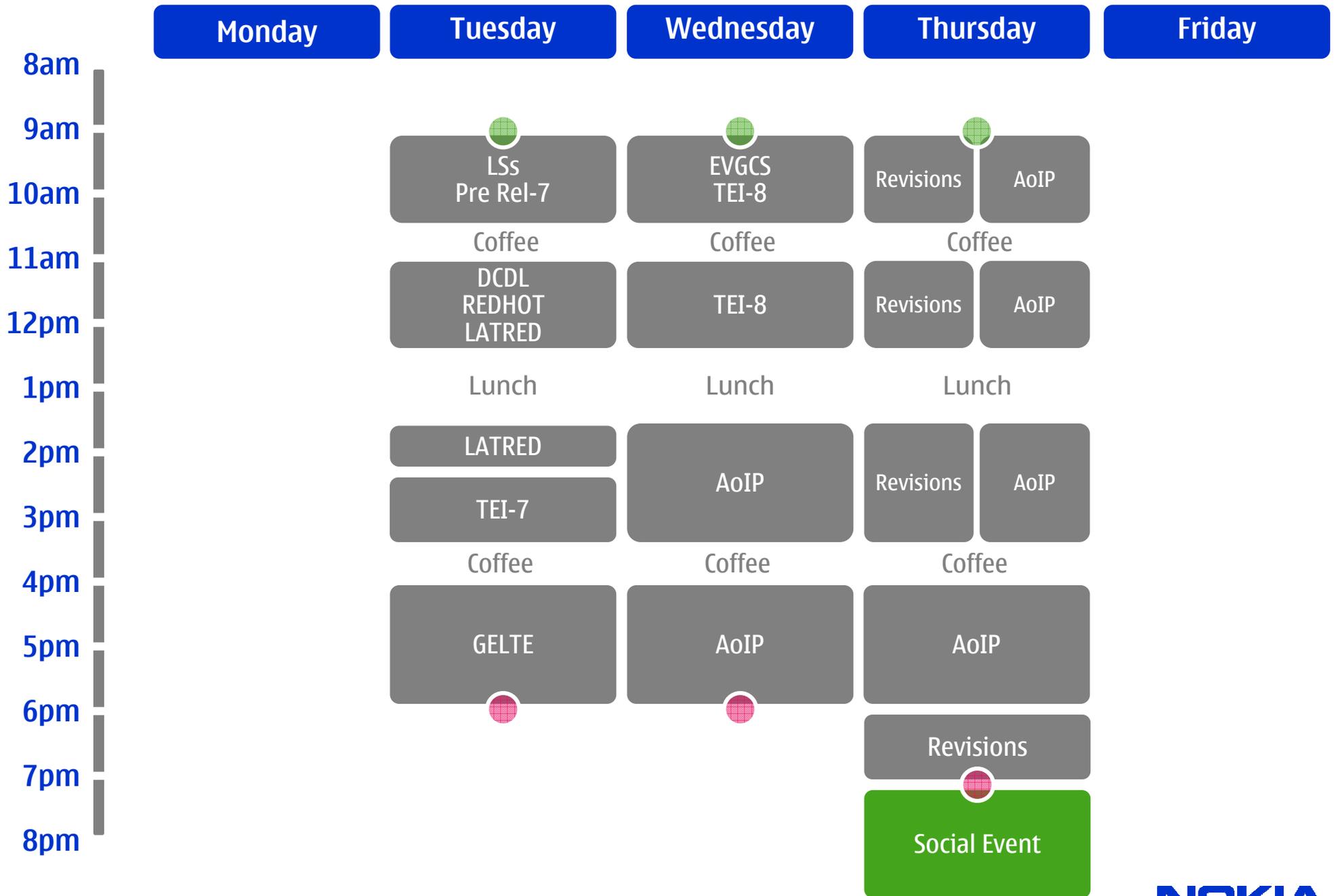
Chairman's summary

Chairman: Guillaume SÉBIRE (Nokia-Devices/Helsinki)

Secretary: Gert THOMASEN (MCC)

Incoming Contributions per Agenda Item





Pre Release 7 Corrections

- **Misc.**

- **G2-080425, G2-080426, G2-080427, G2-080428, G2-080429** CRs 04.06, 44.006 postponed (R99+): randomising fill bits in layer 2 messages
 - No compatibility issue with equipments on the field has been highlighted yet
 - However it is proposed to allow randomised fill bits as of R99 and mandate it from Rel-7 onwards:
 - Mandate in terminals; Mandate in networks is FFS
 - Potential mandate as of Rel-6 will be checked until GERAN#39

Rel-7 – DTM Handover

- **None**

Rel-7 – VGCS Enhancements

- None

Rel-7 – Dual Carrier Downlink

- **G2-080431, G2-080432** CR 44.060 postponed: Clarification of implicit frequency redefinition
 - Clarification of the use case of implicit reassignment of resources (if not otherwise releases or modified) on carriers where new frequency parameters are specified
 - Offline discussions ongoing
- **G2-080435, G2-080436** CR 44.060 approved: Clarification of LQM when a second carrier is assigned: LQMM field and its EGPRS2 version apply to both carriers when assigned

Rel-7 – RED HOT / HUGE

- **G2-080437, G2-080438** CR 44.018 approved: inclusion of EGPRS Level IE in downlink assignments
 - It was noted that it is also missing from uplink assignments: to be addressed in separate CRs
- **G2-080479, G2-080480** CR 44.060 approved: correction of ES/P field
- **EGPRS/2-A/2-B multiplexing**
 - **G2-080475** CR 44.060 approved

Rel-7 – Latency Enhancements

- **Misc. corrections to assignment messages (44.018 and 44.060)**
 - **G2-080440, G2-080441** CR 44.018 approved: Uplink FANR assignment for BTTI Configurations with Immediate Assignment message
 - **G2-080476, G2-080477** CR 44.018 approved: Inclusion of RTTI resource assignment in IA Rest Octets IE and correction to FANR parameters packet downlink assignment procedure (and in IA Rest Octets IE)
 - **G2-080478** CR 44.060 postponed: Correction to downlink PDCH pairs assignments to provide explicit indication of field lengths as per GERAN#37 agreement, and subsequently optimise the coding. The CR will be double-checked offline until GERAN#39
- **Misc.**
 - **G2-080483, G2-080484** CR 44.060 approved:
 - Clarification that the MS shall not respond to a poll with a different TTI mode from that with which the poll was received – to address e.g the case of change of TTI configuration after the reception of a poll
 - **G2-080423** Draft CR 45.010 noted: will be investigated further

Rel-7 – PS Conversational

- None

Rel-7 – PS HO GAN ↔ GERAN/UTRAN

- None

Rel-7 – A-GNSS

- None

Rel-7 – LCS Enhancements for LBS

- None

Rel-7 – A-GPS Minimum Performance Requirements

- None

Rel-7 – TEI-7

- **G2-080385:** Discussion on handling of MS RAC IE in PACKET RESOURCE REQUEST message when the full set of capabilities of the MS for a single frequency band cannot fit in the PRR message in case of two-phase access
 - Proposal to always include MS RAC 2 IE in PRR during two-phase access
 - If the full set of capabilities for a single frequency band cannot fit in the PRR message, the MS shall include at least the set of capabilities that would be made available during a one phase packet access (GPRS or EGPRS multislot class). Truncation FFS: release boundaries/omitting some capabilities (e.g. DTM Multislot class)...
 - The MS shall set the ADDITIONAL MS RAC INFORMATION AVAILABLE field to indicate additional RAC are available
 - The MS shall include the full set of capabilities for that frequency band in ARAC message if sent to the network. This set would then be used by the network
 - To be studied until GERAN#39. No concerns raised on the proposed behavior.
- **G2-080386, G2-080387** CR 44.018 approved: Correction to Cell Identifier List IE description (VGCS)

Rel-8 – GAN Iu mode

- **None**

Rel-8 – GERAN/E-UTRAN Interworking (1/3)

- **Misc.**

- **G2-080450** Analysis on Latency of CS Call Set-up during CS Fallback to GERAN
 - Further details to the contribution seen in GERAN#38 (GP-080904) addressing delays involved for CSFB options defined by RAN, in particular comparing the usage of eNACC vs PS HO
 - Latency introduced by radio interface signaling is however not completely taken into account and may need to be clarified (e.g. taking into account SDCCH signaling at CS call set-up (eNACC))
- **G2-080354** Discussion of the application of the Subscriber Type IE to GERAN
 - More data needed in GERAN to progress this work. Feedback from SA2 still pending.
 - Need for BSS involvement is unclear
- **G2-080370** Proposal to allow minimising sys info acquisition time by a dual mode GSM/E-UTRAN terminal in a GSM cell broadcasting GSM/UTRA/EUTRA NCell Information
 - Aim to improve the average sys info acquisition time by allowing a GSM/E-UTRA terminal to skip UTRA NCell Info if it has already received all the GSM and E-UTRA NCell Info
 - Work in progress
 - Decision expected in GERAN#39

Rel-8 – GERAN/E-UTRAN Interworking (2/3)

• Measurement Reporting

- **G2-080368** addressing the impact of EUTRAN NCell Reporting on GERAN signalling: further investigations needed
 - Reporting quantity still open
 - GERAN1 involvement needed: e.g. reporting quantity and granularity; reporting of multiple RATs, etc.
 - Work in progress
- **G2-080369** CR 44.060 postponed: Introduction of E-UTRAN Neighbour Cell and Measurement Information messages
 - Defines the impact of EUTRAN Neighbouring Cell Information and measurement information on signalling
 - Companies invited to review the CR offline
- **G2-080417** Proposal to allow (de)activating EUTRA measurement/measurement reporting (possibly on an EUTRA carrier basis)
 - To be further investigated. It was also suggested that this mechanism could apply to UTRA measurement/measurement reporting as well
- **G2-080387** Discussion of RAT priorities in GERAN proposes to allow some different RAT handling as a function of the RR mode (packet transfer mode, dual transfer mode, dedicated mode)
 - More work needed offline

Rel-8 – GERAN/E-UTRAN Interworking (3/3)

- **Inter-RAT PS Handover**

- LS from SA2 (to GERAN) in **G2-080463** was seen for information, highlighting SA2 progress on PS Handover Stage 2 specification and alignment between 23.401 and 43.129
 - SA2 considers PS HO Stage 2 complete enough for stage 3 work to proceed in GERAN
- **G2-080406** CR 43.129 noted: Introduction of inter-RAT PS handover between GERAN and E-UTRAN
 - Will be revised according to LS from SA2 in **G2-080463**

Rel-8 – VGCS Enhancements for VGCS Apps

- **G2-080379** CR 48.008 approved: to ensure that the Cell Identifier List Segment IE is included in the VGCS/VBS Assignment Request messages when cells are to be identified by this IE

U-TDOA Enhancement – Rel-8

- None

Rel-8 – TEI-8

- **Misc.**

- **G2-080378** CR 44.060 approved: clarification tat PS HO applies in Packet Transfer mode
- **G2-080395** CR 44.060 postponed: clarification of the request of Radio Access Capabilities during one phase access: will be investigated further
- **G2-080461** CR 44.018 approved: correction to IEI (4 bits) for a number of Type 1 IEs (see 3GPP TS 24.007)
- **G2-080449** CR 44.060 approved: description of BEP_PERIOD field referring to 45.008
- **G2-080451** CR 44.060 approved: correction to the list of messages using the access burst format

- **Multiplexing enhancements for single TBF operation**

- **G2-080396**: proposed key attributes for a solution using a single RLC engine using both NPM for a primary LLC PDU stream and AM mode for a secondary LLC PDU stream, and introducing specific LLC PDU multiplexing principles
 - More investigation needed
- **G2-080371**: updated proposal for multiplexing two RLC entities (NPM and AM) on a single TBF
 - More investigation needed

- **Enhanced Flexible Timeslot Allocation: G2-080399**

- Misc. concerns expressed on the proposal (need and gains)
- More work needed

Rel-8 –A interface over IP (1/2)

- **TR 43.903**
 - **G2-080455** CR 43.903 noted: Handling of fax and data calls
 - **G2-080410** CR 43.903 noted: Data redundancy for CSD services
- **AoIP PCM Packetisation Time:**
 - A single non-negotiable option will be specified
 - Working assumption: 20ms (one company objected: see MCC report)
- **G2-080485:** Analysis on Payload Type for AoIP
 - Proposal endorsed according to alternative 1: non negotiable RTP payload types i.e. fixed in the standard
- **G2-080454:** Clarification of the generation mechanisms of MSC Preferred Codec List
 - Will be investigated further

Rel-8 –A interface over IP (2/2)

- **G2-080363**: New TS to address RTP/RTCP aspects of BSS/MGW interface in GERAN
 - Taken as a baseline for further work – details will be double checked until GERAN#39
 - TS number to be obtained for GERAN#39
- **48.nnn series** – Significant progress achieved
 - **G2-080462** CR 48.001 approved conditionally: Introduction of A interface over IP transport
 - **G2-080492** CR 48.008 approved conditionally: BSSMAP Procedures
 - **G2-080490** CR 48.008 approved conditionally: Internal handover procedures (BSS initiated)
 - The editor's note captured in G2-080457 on sending of HANDOVER DETECT message will be addressed until GERAN#39
 - **G2-080491** CR 48.008 approved conditionally: Internal handover procedures (MSC initiated)
 - **G2-080489** CR 48.008 approved conditionally: BSSMAP Signalling (messages and IEs)
 - All editor's notes captured in G2-080459 will have to be addressed until GERAN#39
- CSD Aspects to be addressed until GERAN#39
 - **G2-080460** CR 48.008 postponed: Messages and IEs about data redundancy for CSD

Rel-8 – Other (1/3)

- **ETWS**

- **GERAN#38:** LS from SA2 in GP-080453 indicated a CBS-based solution (hence architecture) would be used for ETWS. However this may not necessarily imply that CBS would be used for conveying the primary notification on the air interface
- **G2-080359** LS from SA1 which however does not really address the questions raised in GERAN#37
- **G2-080398** Proposed solution for ETWS Primary notification using CCCH
 - Proposal to include in idle mode the primary notification in Paging Request Type 1 Rest Octets, sent on PCH
 - Delays to be evaluated if e.g. the MS in DRX mode misses a primary notification
 - Connected mode aspects not addressed yet
 - Comments to G2-080398 provided in G2-080430, recommending a “CBCH-based” solution or if it cannot be done, using the Immediate Assignment Reject message
 - No agreement – More work needed

Rel-8 – Other (2/3)

- **Discussion on Location Area List Concept** in G2-080474
 - Proposal to maintain a list, in the MSC and MS of the visited LAs to avoid LA Update when entering a LA that has already been visited
 - Pages are sent to all LAs in the LA list (when the location of the MS is known only on a LA list basis)
 - More details needed as to the proposal:
 - Maintenance of the list- which LAs to include, how long to keep an LA in the list, how large the list is, how the multiple PLMN scenario is handled etc
 - Relation with routing area, etc.
 - Concerns raised on the increased paging load if LAs are kept as unchanged, while attempting to reduce the signalling load due to LAU
 - Concerns raised on the increased signalling load due to LAU while building the list when LA are made smaller (thanks to the proposal): this would however be a temporary situation. LAU savings would appear, while observing the LA list would be rather static per user (e.g. every day commuting between home and office)
 - **Further investigation needed to first identify actual problems in GSM networks before a solution is discussed**
 - Some similarities with RED have been identified

Rel-8 – Other (3/3)

- **Interdomain Handover (GERAN>GERAN)**

- Proposal **independent from SR VCC discussion in SA2 (for EUTRAN>GERAN mobility)** and to realise in GERAN the domain transfer procedure
- All CRs are *technically correct*, and a discussion paper indicates the feasibility of the proposal (see G2-080394 on operator's policy change, which, however is not a GERAN specific issue)
 - There is no support for the proposal other than from the originator
 - Decision in GERAN#39 opening plenary
- **G2-080393** CR 43.129 noted
- **G2-080389** Draft CR 24.008 noted
- **G2-080391** CR 44.018 postponed
- **G2-080390** CR 44.060 postponed
- **G2-080392** CR 48.018 postponed

AOB

- None

Outgoing LSs

- None

Future meetings

- **GERAN2#39** **26 – 28 August 2008** **Florence, Italy**
- GERAN2#39bis 30 September – 3 October 2008 Sophia Antipolis, France
- GERAN2#40 17 – 21 November 2008 Miami, USA