3GPP TSG GERAN2#43bis

Chairman's Summary

NOKIA

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Contributions

- **In:** 107
- **Out:** 178

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	Monday	Tuesday	Wednesday	Thursday	Friday
8am					
9am			LSs	AoIP	Revisions
10am			Pre Rel-8	LCLS	
11am			Coffee	Coffee	Coffee
12pm			GELTE	LCLS	Revisions
				CBC-BSC	
1pm			Lunch	Lunch	Lunch
2pm			GELTE	CBC-BSC	H(e)NB
3pm				TEI-8	
4pm			Coffee	Coffee	
5pm			GELTE	TEI-9	
6pm					
7pm					
8pm					

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Pre-Release 8

- **WB AMR (Rel-5+)**
  - Issue discussed at GERAN#43 on bearer capability IE indicating WB-AMR support at call set-up
  - LS from CT1 confirms there is no problem in their specification and discourages that CRs be made to accommodate a problem of implementation
- **Misc. (Rel-7+)**
  - **G2-090251, G2-090252, G2-090253, G2-090234, G2-090232, G2-090235, G2-090210, G2-090211, G2-090212** CR 44.060 agreed: misc. correction to CPS field description for header types 1, 2 and 3
- **PS Handover (Rel-6+)**
  - Introduction of PS Handover Complete Ack (ref. INTER RAT HANDOVER INFO and START PS mismatch issue)
    - **G2-090230, G2-090198** CR 43.129 endorsed: introduction of PS Handover Complete Acknowledge message
      - NOTE: minor editorial corrections will be made as required. It will only be submitted to G1#44
    - **G2-090231, G2-090199** CR 48.018 conditionally agreed: introduction of PS Handover Complete Acknowledge message
      - Condition: approval of stage 2 in GERAN#44

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Rel-8 – GERAN/E-UTRAN Interworking (1/5)

- **Stability** of Rel-8 specifications remains a concern and should reached asap
  - Essential Corrections (incl. CSN1) must however continue to ensure the system is working while taking into account limitations inherent to GERAN signaling capacity
  - NOTE: No Release indicator in BSS/MS – Implementation is feature-based as opposed to release-based
- **Misc corrections**
  - **G2-090122, G2-090123** CR 44.018 postponed
    - It is unclear whether 3G/EUTRAN CSG information should be included in Measurement Information
    - It was clarified that reporting of E-UTRAN cells in dedicated mode can be used e.g. for redirection. PSC/PCI split can in turn be used to prevent reporting of CSG cells on shared frequencies. Thus CSG description may need to be included in Measurement Information message
  - **G2-090284, G2-090285** CR 44.018 agreed: misc. corrections to SI2q and Measurement Information
  - **G2-090270, G2-090271** CR 44.060 agreed: misc. corrections to Packet Cell Change Order and Packet Measurement Order
  - **G2-090241, G2-090242** CR 44.060 agreed: correction of the procedural description to indicate that E-UTRAN_REP_QUANT and E-UTRAN_MULTIRAT_REPORTING parameters are not sent in PCCO (CCN)
  - **G2-090142, G2-090143** CR 44.018 agreed: correction to Rel-8 extension indicator in EMR message

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Rel-8 – GERAN/E-UTRAN Interworking (2/5)

- **Misc. corrections (cont'd)**
  - **G2-090276, G2-090277** CR 44.018 agreed: correction to avoid repeating the *Serving Cell Priority Parameters struct* in every SI2quater instance
    - **G2-090166, G2-090189** CR 44.060 rejected as it is not required to send Serving Cell Priority parameters in PMO
  - **G2-090254, G2-090269** CR 44.018 **conditionally** agreed, to define that "Any Channel" shall be indicated in the Channel Request message when the MS responds to paging during the CS Fallback procedure
    - Condition: will be double-checked offline until GERAN#44 to confirm the proposal is acceptable
  - **G2-090282, G2-090283** CR 44.018 agreed: correction of coding of not allowed E-UTRAN cells so it can be acquired across several instances of Measurement Information message
  - **G2-090118** discusses the applicability of XXX_REPORTING_OFFSET for E-UTRAN given it has not been defined so far
    - GERAN1 feedback needed
  - **G2-090119** Enhancement and correction on inter-RAT cell reselection
    - GERAN1 feedback needed

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Rel-8 – GERAN/E-UTRAN Interworking (3/5)

- **Removal of E-UTRAN support from PBCCH**
  - **G2-090287, G2-090288** CR 44.018 agreed
  - **G2-090274, G2-090275** CR 44.060 agreed
- **E-UTRAN NCL:**
  - Packet Measurement Order will not change the E-UTRAN NCL built based on SI2q instances
    - This will be further investigated until GERAN#44
  - In dedicated mode, it must be possible to build the E-UTRAN NCL with Measurement Information messages (which override the E-UTRAN NCL potentially built with SI2q)
  - E-UTRAN_BA_IND is not used. Only 3G_BA_IND is used
    - **G2-090278, G2-090279** CR 44.018 agreed
    - **G2-090280, G2-090281** CR 44.060 agreed

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Rel-8 – GERAN/E-UTRAN Interworking (4/5)

- **G2-090130** open issue whether there is a need for a radio access capability indication from the MS to GERAN to indicate priority reselection for GERAN>UTRAN reselection is supported
  - Need pertaining to individual priorities
- **Introduction of PS Handover Complete Ack** (ref. INTER RAT HANDOVER INFO and START PS mismatch issue)
  - **G2-090262** CR 43.129 endorsed
    - NOTE: minor editorial corrections will be made as required. It will only be submitted to G1#44
  - **G2-090286** CR 48.018 conditionally agreed
    - Condition: approval of stage 2 at GERAN#44

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Rel-8 – GERAN/E-UTRAN Interworking (5/5)

- **Individual priorities**
  - SPID change will trigger change of individual priorities. However individual priorities may also change even if the SPID does not change
  - GERAN1 AdHoc conclusion that cell selection at channel release should not require BCCH acquisition in the serving (GSM) cell prior to cell selection
    - It was suggested that it be considered to allow delaying cell selection if BCCH acquisition is required
  - Signaling needed to delete individual priorities
  - Clarification required when individual priorities are used and how often they are sent by the access network to the mobile station
    - Use of compression depends on this
    - Whether coding optimization is used or not, a single mechanism must be used in Rel-8 and further Releases
    - CRs on this topic are postponed: **G2-090203, G2-090204, G2-090205, G2-090206, G2-090220, G2-090221, G2-090222, G2-090223**

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TEI-8

- **G2-090171, G2-090172** CR 44.060 postponed on usage of “compressed” coding of radio access capabilities for MS RAC 2 IE in Additional MS Radio Access Capabilities message
  - While 24.008 prevents this coding in MS RAC IE, it does not state anything regarding MS RAC 2 IE in case a full capability can first fit in Packet Resource Request message
  - More time to investigate the proposal which could potentially impact R99 (when this mechanism was introduced)
- **G2-090157** Proposed solution for assignment of priorities to 3G frequencies on their own (i.e. without Cell information)
  - Agreement that it should be possible to assign priorities to 3G frequencies on their own, and that it should be done without impacting the 3G NCL indexing
  - **G2-090158, G2-090159, G2-090160, G2-090161** CRs 44.060, 44.018 postponed

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Rel-8 – AoIP

- **G2-090264, G2-090265** CR 48.008 agreed: AoIP Transport Layer Address (BSS) not to be modified when the ASSIGNMENT COMPLETE message is a response to an ASSIGNMENT REQUEST MESSAGE which modifies the radio interface data rate.

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Rel-9 – Local Call Local Switch

- **Some open issues are still under discussion in CT4**
  - Completion due at GERAN#44, according to the workplan
  - Further feedback sent to CT4 in LS **G2-090290**
  - **G2-090200** CR 48.008 postponed

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Rel-9 – TEI-9 (1/2)

- **G2-090201** CR 44.018 rejected: clarification of SI13 applicability
- **Mix of TTI for a given TBF**
  - **G2-090156** highlighting potential issues with MTTI in case EDA, BTTI USF mode and FANR are used
  - Further discussions expected at GERAN#44 (CRs will be provided as well)
- **DTX for conversational services** (Supporting UL PAN transmission in DTX)
  - **G2-090162** proposing the use of normal burst for FFCH instead of introducing a new burst format, if FFCH is introduced
    - GERAN1 review needed
  - Delay analysis of FFCH vs. PB provided in **G2-090207** and **G2-090217**
  - Companies invited to provide feedback offline
  - No decision reached
- **Ehanced Multiplexing for Single RLC entity**
  - **GERAN#43:** Further RLC engine optimization such as described in **GP-091361** will be investigated as a general enhancement
  - **G2-090183** provides additional details to the proposal seen earlier
  - No decision reached
    - **G2-090184** CR 44.060 postponed
    - **G2-090185** CR 44.018 postponed

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Rel-9 – TEI-9 (2/2)

- **G2-090168 Optimized DRX mode**
  - Clarifications of the gains of the proposal made at GERAN#43: to allow *not* entering non-DRX when transiting from packet transfer mode to packet idle mode when delayed TBF release and/or ext UL TBF mode are used as going to packet idle mode is an indication data is “unlikely” to be incoming soon.
  - Companies invited to provide feedback offline
  - No decision reached
  - G2-090169, G2-090170 CRs 44.060, 44.018 postponed

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Rel-9 – H(e)NB Enhancements (1/2)

- **GERAN#43**
  - MS allowed to do MIB/SIB reading in connected mode
  - No mapping table *{{(PSC/PCI), Freq, Routing Parameters}$_1$;...; {(PSC/PCI), Freq, Routing Parameters}$_n$}* expected in the BSS
  - [GERAN2#43bis]: I.e. solutions in the specification cannot <u>in any way</u> rely on the availability of such mapping table in the BSS
- **Working Assumptions** and Open issues in **G2-090292**
  - Based on discussions of: G2-090155, G2-090131, G2-090153
- Discussion of **G2-090120** indicates:
  - A general view that it cannot be defined that only previously visited cells would be candidate CSG cells
  - That an indication need to be provided by the network to command the MS to use mechanisms for "CSG Connected mode mobility"
  - The use of fingerprint is implementation dependent hence no minimum requirement pertaining to this mechanism is expected

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Rel-9 – H(e)NB Enhancements (2/2)

- Measurement reporting for CSG Cells
  - G2-090154 and G2-090132: proposals allowing measurement reporting of CSG cells in existing messages.
  - More discussion needed
  - Agreement needed on the parameters to be reported and how to report them

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Rel-9 – BSC/CBC Interface

- **G2-090176** Open issues on "Cell Broadcast Service Protocol" – **agreement** these issues need to be solved
  - A warning message can never be sent without an accompanying CBS message in the WRITE-REPLACE message – this may cause additional delay in transmitting a warning message as it is subject to availability of a CBS message
  - Identification of the warning message need to be clarified to avoid conflicts with a CBS message potentially part of the same WRITE-REPLACE message
  - Termination of the broadcast of a warning message if allowed to be sent alone
  - WRITE-REPLACE-COMPLETE/-FAILURE messages do not currently cover replacement of a CBS or warning message
  - Supervision of the CBC/BSC interface to allow asap detection of potential faults potentially occurring on the interface
    - And whether this needs to be specified or not
  - ➲ Solutions to these issues will be investigated for GERAN#44
  - ➲ Companies are invited to check this contribution as a decision is expected at GERAN#44
- **G2-090177** proposed changes to draft TS 48.049 noted

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Outgoing Liaison Statements

- **G2-090290** LS to CT4 on Local Call Local Switch

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Future meetings

• **GERAN2#44**	**17 – 19 November 2009**	**Sophia Antipolis**
• *GERAN2#44bis*	*27 – 29 January 2010*	*TBD*
• GERAN2#45	2 – 4 March 2010	Berlin
• *GERAN2#45bis*	*21 – 23 April 2010*	*TBD*
• GERAN2#46	18 – 20 May 2010	Korea, TBC

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