3GPP TSG GERAN2#29bis

Sophia Antipolis, France, 22-24 May, 2006

Chairman's summary

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Incoming Contributions per Agenda Item

Total: 46

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	Monday	Tuesday	Wednesday	Thursday	Friday
7am					
8am					
9am		GERAN Evo	Revisions		
10am	LSS	Coffee	Coffee		
11pm	MBMS	GERAN Evo	Revisions		
12pm	Lunch	Lunch	Lunch		
1pm					
2pm	GAN	PS Conv.	Revisions		
3pm	PS HO	A-GNSS			
4pm	Coffee	Coffee			
5pm	DTM Handover	A-GNSS			
6pm	EVGCS	TEI-7, Other			
7pm					

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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)

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Completed Rel-6 Work Items (1/3)

- **MBMS**
  - MS_ID Release Indication
    - MS to indicate in MBMS DL Ack/Nack message the release of its MS_ID
    - G2-060208, G2-060209 CRs 43.246 endorsed
    - G2-060210, G2-060211 CRs 44.060 agreed
      - Any better text than ”whenever possible”?

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Completed Rel-6 Work Items (2/3)

- **GAN**
  - G2-060233 CR 43.318 endorsed
    - Allows access to GAN while in GERAN/UTRAN preferred mode, if limited service state would otherwise be entered
  - G2-060218 CR 44.318 agreed: correction to handover from GAN to UTRAN
    - Allows identification of the handover message included in GA-CSR HANDOVER COMMAND message (within Handover From GAN Command IE)
      - GAN > GERAN: HANDOVER COMMAND message (unchanged)
      - GAN > UTRAN: INTER SYSTEM TO UTRAN HANDOVER COMMAND message
    - The GA-CSR HANDOVER COMMAND message to only indicate a target cell which was reported by the MS in the GA-CSR HANDOVER INFORMATION message: i.e. no blind HO

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Completed Rel-6 Work Items (3/3)

- **PS HO**
  - G2-060234, G2-060235 CRs 44.060 agreed
    - USF not detected in the target cell: introduce means by which the MS can return to the old cell and send a PACKET CELL CHANGE FAILURE to the network.
      - New MS timer T3218 introduced: started upon reception of PS HANDOVER COMMAND message and stopped upon reception of the first USF. Upon expiry, the MS returns to the old cell and sends a PCCF message
      - Proposed expiry time: 1 second
      - **NOTE:**
      - T3216, T3218 not to be used by the network to delay the sending of USF/Packet Physical Information
      - Expiry times of T3216 and T3218 may need to be redefined (<1s)
    - CR will be needed in GERAN#30 to add a NOTE for the BSS to schedule USFs immediately
    - CR will be needed (Rel-7) for DTM Handover to make this not applicable to DTM HO

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Other technical work – Rel-7 – DTM Handover

- Corrections
  - G2-060236 Draft CR 43.055 endorsed: misc. corrections
  - G2-060237 CR 48.008 agreed: Cause values used in HANDOVER FAILURE message and in PS HANDOVER REQUEST/REQUIRED NACK PDU for DTM Handove
  - G2-060238 CR 48.018 agreed: Behaviour and Cause value in case of PS resource allocation failure for DTM Handover
- Inter-RAT DTM HO:
  - G2-060194 Draft CR 43.055 noted: simplifications needed
    - Only difference vs GERAN<>GERAN: TRNC cannot proceed with CS alone
    - Refer to existing procedures (GERAN<>GERAN, UTRAN<>UTRAN) as much as possible
    - Provide correspondence between message names, network nodes as appropriate
    - Typically only references to existing subclauses would remain

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Other technical work – Rel-7 – VGCS Enhancements

- G2-060167 CR 48.008 agreed: Sending of Additional Information to VGCS talker on dedicated channel
  - When the talker is on a dedicated channel, there is no such *VGCS talker's call controlling SCCP connection*: use the *VGCS talker's dedicated SCCP connection* for the MSC to send Additional Information to VGCS talker
- G2-060168 CR 48.008 agreed: Inclusion of Talker Identity in Uplink Control messages

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Other technical work – Rel-7 – GERAN Evolution

- Dual Carrier Downlink
  - GERAN2 Working Assumptions agreed in G2-060239
  - Stage 2
    - G2-060225 CR 43.064 noted: will be revised and presented for approval to GERAN#30
- Latency enhancements
  - No conclusion
  - Fast Ack/Nack
    - BSN-based? Timing based?
    - Event-based ack/nack questioned
    - Further simulations needed
  - RTTI: 10ms, 5ms?
  - Reduced MS Response time: potential issue with feasibility (as currently proposed) in handsets
  - A summary of current proposals in G2-060185 – not agreed as WA as of yet
  - Complexity issue (esp. when features are combined)

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Other technical work – Rel-7 – A-GNSS

- Proposal in G2-060223 agreed as a way forward (until?)
  - First: Introduce A-Galileo (as an A-GNSS): minimum required mechanisms to support Galielo
  - Then: consider further generic GNSS improvements applicable to any satellite system
    - New WID/Update of existing WID would be required
- All capabilities provided by Galileo have to be supported
- Measurement reports must be generic, as opposed to being based on A-GPS measurment reports (e.g. artifical limitation of number of chips of A-GPS)
- Clarification of the AGNSS WID needed

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Other technical work – Rel-7 – PS Conversational

- PS Conversational Services
  - Support of VoIP in A/Gb mode discussed in G2-060214
    - Minimum package for supporting VoIP on shared channels in GERAN should be defined so that evaluation of performance and complexity can be made
      - Non-persistent RLC mode
        - Timer-based (e.g. based on Transfer Delay), however SA2 is currently considering to get rid of transfer delay (among others)
        - Recommended to have a single non-persistent RLC mode both for MBMS and Conversational services
      - Fast Ack/Nack
      - RTTI
      - Reduced MS response time
      - (Periodic) Neighbouring cell measurements
      - ?
    - Feasibility of muxing with other users questioned
    - 8PSK and IR support in uplink

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Other technical work – Rel-7 – TEI-7

- G2-060222 CR 44.060 agreed: CSN.1 correction
- G2-060190 CR 48.016 agreed (conditionally: Nortel to indicate any potential issue): Handling and recovery of non-operational IP endpoints
- G2-060228 CR 44.060 agreed
  - PACKET CS REQUEST message not to be sent during countdown procedure when extended UL TBF mode is not used
- G2-060229 CR 48.008 agreed
  - Extracts the MS identity from the first L3 message received from the MS (when the SCCP connection establishment is performed by the BSS), so as to enable Intra domain connection of RAN nodes to multiple CN nodes (A interface)
- G2-060159 CR 44.060 rejected: The usage of <GPRS REP PRIORITY Description> in Packet Cell Change Order message
  - No problem with PEMR whereby the MS must acquire the Ncell list from sys info in the target and build the BA(GPRS) list (based also on cells indicated in PCCO)
  - Clarification may be needed

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Outgoing LSs

- G2-060207 LS to RAN3, CT3 Cc. CT4 on Alignment of IE encoding for MBMS
- G2-060242 LS to RAN3, SA2 on Critical Resource Indication for PS and DTM Handovers

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Future meetings

• GERAN Evo AH#2	25-26 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 (Host needed) (close, nice, cheap, sunny, w/good food)
• GERAN2#32	14-16 November 2006	Sophia Antipolis, France
• GERAN2#33	12-16 February 2007	TBD, China?

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