

3GPP TSG GERAN2#49

Chairman's Summary

Chairman: Guillaume Sébire

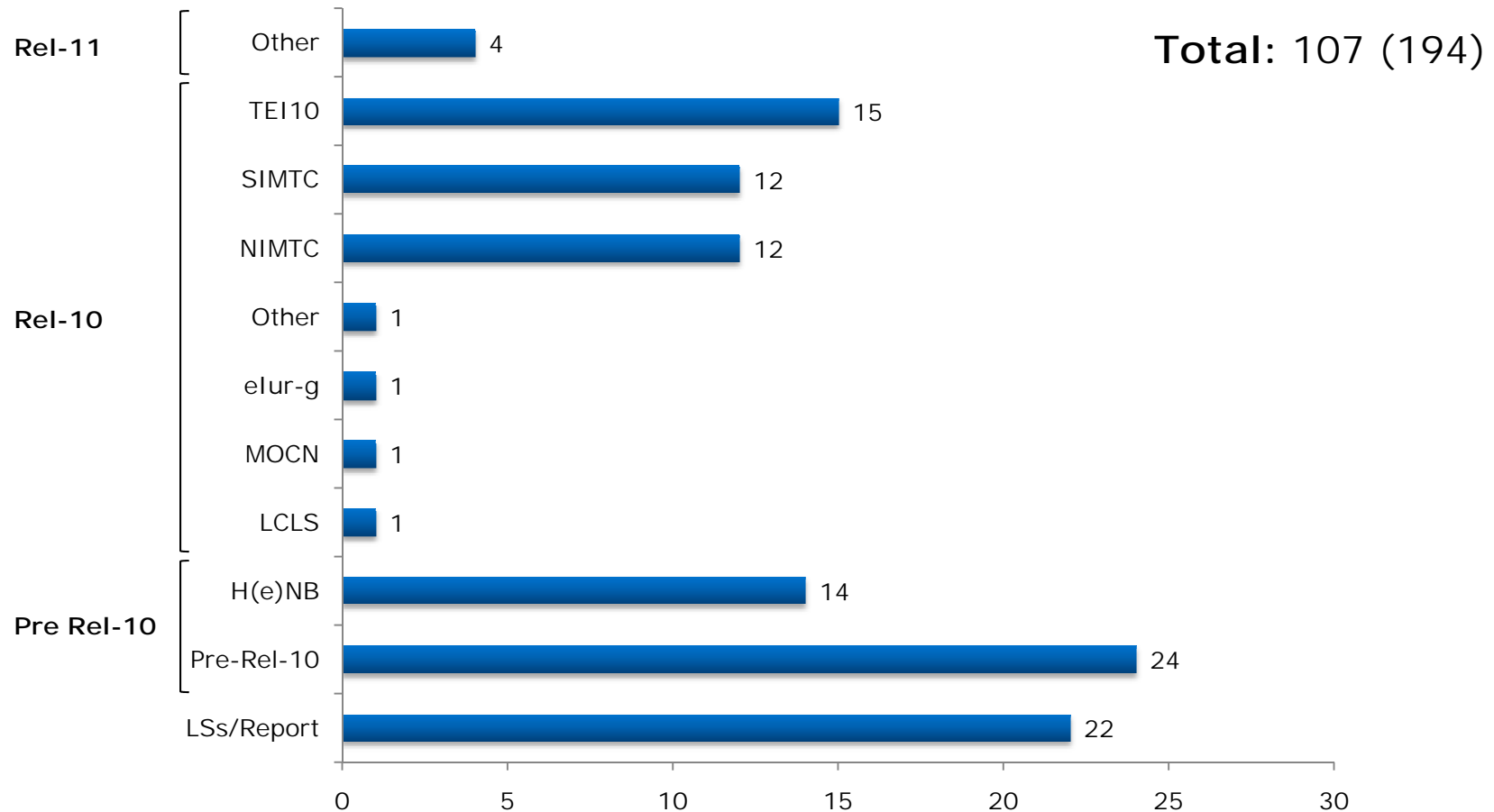
Secretary: Gert Thomasen

Renesas Mobile Corporation
Renesas Mobile Europe

2011/3/4 Rev. 0.00

Incoming Contributions

Incoming Contributions



Schedule

Schedule

	Monday	Tuesday	Wednesday	Thursday	Friday
8am		LSS	LCLS		
9am		Pre-Rel-10	MOCN, elur-g	Revisions	
10am		Coffee	Coffee	Coffee	
11am		Pre-Rel-10	TEI10 / TEI11	SIMTC	
12pm		Lunch	Lunch	Lunch	
1pm		H(e)NB	TEI10 / TEI11	Revisions	
2pm		Coffee	Coffee	Coffee	
3pm		NIMTC	SIMTC	Revisions	
4pm					
5pm					
6pm					
7pm			Social Event		
8pm					

Pre Rel-10

Misc. Pre-Rel-10 (1/3)

■ Misc.

- **GP-110304 – GP-110305** CRs 48.008 rejected (Rel-5, Rel-6): Editorial corrections
- **GP-110306, GP-110348 – GP-110350** CRs 48.008 agreed (Rel-7+): correction to cause values for Handover Required Reject due to formatting errors
- **GP-110344 – GP-110347** CRs 44.060 agreed (Rel-7+): Correction to LQM reporting IEs and fields
 - To take RTTI into account (Rel-7) for LQM
 - To remove conflicting LQM requirements between 44.060 and 45.008
- **GP-110388 – GP-110391** CRs 44.060 agreed (Rel-7+): to remove an artificial signaling limitation (EGPRS PDAN extension length) that prevent reporting more than 4 per slot Mean BEP measurements in case more than one modulation need to be reported (DLDC, 2nd carrier reported)
 - This does not completely solve the problem and still requires counter-measures in the network (i.e. poll on both carriers alternatively) to overcome limitations imposed by the message size

Misc. Pre-Rel-10 (2/3)

■ Misc. (cont'd)

- **GP-110301** RTTI Coding Issues (Rel-7+): textual definition of struct repetitions and order of dependent IEs/fields preventing message decoding
- **GP-110313 – GP-110315** CR 48.008 agreed (Rel-8+) correction to usage of “Old BSS to New BSS Information” IE
- **GP-110353 – GP-110354** CR 48.008, 48.018 agreed (Rel-9): removal of MOCN support (wrongly introduced after GERAN#48)

■ AoIP

- **GP-110351 – GP-110352** CR 48.103 agreed: Correction of IETF reference for RTP GSM-HR payload format

■ VAMOS

- **GP-110269 – GP-110270** CR 44.018 rejected: handling of VAMOS signaling by non-VAMOS capable MSs. Already covered by handling of unknown, unforeseen, and erroneous protocol data

Misc. Pre-Rel-10 (3/3)

■ GELTE

- **GP-110258** Draft CR 44.060 noted
 - The following behavior is to be kept
 - When CCN is active towards 3G/E-UTRA cells, the MS shall notify the network before reselecting a 3G/E-UTRA cell (incl. CSG cell).
 - When CCN is not active towards 3G/E-UTRA cells, the MS may reselect a 3G/E-UTRA cell (incl. CSG cell) without notifying the network
 - Includes, for CSG cells, the case where no 3G/E-UTRA info is broadcast

H(e)NB Enhancements (Rel-9) (1/3)

- Cell change order to CSG Cells in NC2
 - GERAN#48
 - GERAN1 working assumption that measurement results shall be reported for CSG cells
 - GERAN1: No decision as to whether to apply reporting or reselection criteria
 - Identification of a CSG Cell:
 - WA taken based on a show of hands to report the physical layer parameters + discriminator (instead of physical layer parameters only).
 - GERAN#49
 - Identification of a CSG cell
 - Further discussions in **GP-110259, GP-110260**
 - Decision: GERAN#48 WA Confirmed: physical layer parameters and discriminator bit are used

H(e)NB Enhancements (Rel-9) (2/3)

- Cell change order to CSG Cells in NC2 (cont'd)
 - Reporting and cell change order messages
 - Further discussion in **GP-110259, GP-110222**
 - PCCN + PCCO vs. P(E)MR + PCCO
 - Decision: none
 - PCCN + PCCO
 - **GP-110378** CRs 44.060 postponed
 - P(E)MR + PCCO
 - **GP-110223 – GP-110226** CRs 44.018, 44.060 postponed
 - GERAN1
 - CSG Cells Reporting limitations: GERAN1
 - Whether to use measurement reporting or reselection criteria: GERAN1 (GP-110169)
 - Release: one company objected against continuing this work in Rel-9

H(e)NB Enhancements (Rel-9) (3/3)

■ Misc.

- **GP-110249 – GP-110250** CRs 44.060 postponed: CSG Measurement reporting parameters received in PMO apply in packet transfer mode only
 - Offline discussions required
- **GP-110251 – GP-110252** CRs 44.018 agreed: CSN1 correction: *CSG Cells Reporting description struct* defined

Rel-10

LCLS

- CT4 indicated (GP-110342) the completion of the LCLS Stage 2 work in 3GPP TS 23.284 v1.2.0 [sent for approval at CT#51]
- LS from CT4 indicating some concerns raised on LCLS Configuration IE that includes two new optional configurations: this is up for discussion at CT#51 plenary
- **GP-110379** CR 48.103 agreed conditionally to
 - Approval of LCLS exception for Release 10, and approval of Stage 2 23.284 in CT#51 plenary in Rel-10
- **GP-110360** CR 48.008 postponed: taken as a baseline: a single CR is expected at GERAN#50
 - **GP-110357** CR 48.008 rejected: reason: single CR expected
- **GP-110383** noted: comparison between GP-110360/GP-110357: to be taken into account offline
- **GP-110399** Rel-10 Exception sheet endorsed

MOCN

■ GP-110394 CR 48.018 conditionally agreed:

- Inclusion of V(U) in DL-/UL-UNITDATA PDU to prevent the MS seeing, after redirection to another SGSN, LLC frames from an the 2nd SGSN as duplicates
- Condition: approval of SA2 CR 0028 to 23.251 and CT1 CR 0023 to 44.064 at TSGs#51

elur-g

- **GP-110493** CR 43.130 endorsed
 - Stage 2 completed from GERAN2 point of view
 - LS to RAN/RAN3 in **GP-110510**

NIMTC (1/3)

■ Extended Access Barring

- LS from SA1 on EAB (GP-110128) including the latest agreement on EAB Requirements in 22.011 (updated after SA#50)
- **GP-110277**
 - Proposal for a new SI21 message to be defined to accommodate EAB (SI9 not used) – requires a broadcast bit to indicate whether SI21 is broadcast or not.
- **GP-110200** CR 45.002 – noted (GERAN1)
- **GP-110355** CR 44.018 postponed: work in progress
- **GP-110279** CR 44.060 postponed: work in progress
- **Open issues:**
 - Content (implied from 22.011 EAB definition), periodicity, TC occurrence, BCCH Norm/Ext, GPRS Support (EAB is generic and applicable to non-GPRS MS/NW)
- Companies invited to review the proposal offline prior GERAN2 AdHoc

NIMTC (2/3)

- **S2-104432:** LS from SA2 at GERAN#47 to be addressed
 - Action: *"to consider the mechanisms proposed in the conclusions of NIMTC and respond with feedback, questions or considerations that would require SA2 to revise their assumptions."*
 - Response in **GP-110382**
- Reject with wait timers (GP-110275, GP-110168)
 - Whether a wait timer upon rejecting radio resource requests is needed is FFS
 - Address AS and/or NAS Overload
 - If to address NAS Overload, some preference expressed for having a configuration message from the CN to the BSC (how long for the BSC to perform overload control)
 - If to address AS Overload *only*, the configuration in the BSC should be done by O&M
 - **GP-110276** CR 44.018 postponed

NIMTC (3/3)

- CCCH congestion avoidance (GP-110312)
 - RACH access if no congestion detected on AGCH
 - To address AS (CCCH) and potentially NAS overload
 - Recommended for discussion in GERAN1
 - **GP-110359** CR 44.060 postponed

- **GP-110358, GP-110265** CRs 44.018, 44.060 postponed:
introduction of Immediate Packet Assignment
 - CRs corresponding to GP-101894 which proposed to assign resources to more than one MTC device at a time with a single new message (single radio block) on AGCH (PACKET IMMEDIATE ASSIGNMENT)

- **GP-110506** Release 10 Exception sheet endorsed

SIMTC (Study) (1/3)

■ Simulation assumptions

- **GP-110489** Proposal for updating the simulation assumptions
 - Plenary decision needed

■ CCCH

- **GP-110198, GP-110261** comparisons of Ericsson's and Huawei's RACH proposals
 - Concerns raised on the time window used for averaging the results which may or not hide the effect of synchronized accesses esp. on legacy traffic.
 - **Need** for a new common simulation assumption agreed and motivated in **GP-110489**
 - **GP-110197, GP-110262** pCRs felt premature for inclusion in the TR given the above
- **GP-110230** Hybrid MTC Channel: update of the proposal made at previous meetings
 - Evaluation requested at GERAN2#47bis still pending

SIMTC (Study) (2/3)

■ CCCH (Cont'd)

- **GP-110231** Peak Load Control for MTC Devices: update of the proposal made at previous meetings to reduce the load on CCCH by assigning resources in advance i.e. taking appointments for future MTC data transmission
 - Misc concerns raised
- **GP-110326** Enhancement of RACH overload control: proposal to use RACH resources as a function of the priority of applications
 - Concerns raised on the implied resource segregation on RACH

SIMTC (Study) (3/3)

■ PDCH

- Addressing – USF
 - **GP-110263** on time-division based shared USF proposal to expand the USF addressing space
 - **GP-110280** on extension of USF space
 - Disagreement as to whether there is any issue to resolve or not
- **GP-110310** Updated proposal to multiplex several MTC devices, burst-wise in a single radio block period, addressing complexity aspects raised at GERAN#48
 - Should be seen in GERAN1

■ Other

- **GP-110311** Updated proposal to mitigate the load on the Gb interface by aggregation of LLC PDUs from several MTC devices, addressing gains vs complexity aspects raised at GERAN#48
 - One company indicated the problem indicated in the paper would be alleviated with Gb over IP

TEI 10 (1/5)

- **GP-110271** CR 44.018 agreed: removal of duplicate text
- **GP-110290, GP-110291** CRs 48.008, 48.018 postponed:
Support for detection of unnecessary IRAT HO (linked to LS from RAN3 in GP-110120)
 - To address the scenario of unnecessary IRAT HO from E-UTRAN “when the quality of the E-UTRAN coverage was sufficient for the service used by the UE (too early IRAT HO without connection failure).”
 - More work needed in GERAN to check the feasibility of the proposal from RAN3 highlighted in the CRs attached to the LS
 - Applicability to A interface is not clear
 - LS to RAN3, RAN in **GP-110507**
- **GP-110377** CR 44.018 agreed: correction of wrong reference
- **GP-110303** CR 48.008 agreed: misc clarification to “Old BSS to New BSS IE”

TEI 10 (2/5)

■ SACCH Security

● Legacy MSs

- GERAN#48: three vendors required more time to investigate compatibility with legacy terminals – Status to be verified at GERAN#49
- GERAN#49: No concerns reported
- **GP-110005** CR 44.018 postponed: Alternating between different neighbour cell description formats
 - Allows two different implementations in Rel-10
- **GP-110384** CR 44.018 agreed Randomization of fill bits in SI6 Rest Octets

TEI 10 (3/5)

■ SACCH Security (cont'd)

- New MSs: No additional feedback received from SA3#69
 - **GP-110136**: proposal to send SMS on FACCH while not ciphering SACCH
 - Concerns on potential impact to speech quality, and on impact to DL protocol for both uplink and downlink
 - **GP-110196**: concerns on double decoding in the UL shared by network vendors
 - **GP-110266**: partial ciphering on SACCH for both UL and DL with double decoding
 - **GP-110267**, **GP-110268** CRs 44.018, 24.008 postponed, noted
 - **GERAN2 View**:
 - Downlink: under consideration:
 - Either partial ciphering on SACCH with double decoding; or
 - SMS on FACCH with no ciphering on SACCH: feasibility FFS
 - LS to SA4 in **GP-110508**
 - Uplink
 - No agreement something is needed

TEI 10 (4/5)

■ DTR

- **GP-110244** proposes to allow entering DTR with pending ACKs
 - **GP-110398** CR 44.060 agreed
- **GP-110396** CR 44.060 agreed: clarification of polling response
- **GP-110376** CR 44.060 agreed: MS in EDA may be considered in DA when exiting DTR to allow the network to use the otherwise unused UL timeslot during DTR

■ Fast downlink frequency switching

- More time requested at GERAN#48 to check the need for capability signaling
- **GP-110236** CR 45.002 endorsed
- **GP-110237** Draft CR 24.008 endorsed
- LS to CT1 in **GP-110387**

TEI 10 (5/5)

■ RACH Power Reduction

- **GP-110386** CR 44.018 agreed: indication in SI2quater, following GERAN1 decision
 - GP-110481 (CR 45.008) indicates SI2q is not necessary after reselection and before accessing the cell

Exception sheets

Exception Sheets

- The following exception sheets are endorsed by GERAN2 and sent to plenary for approval
 - GP-110399 LCLS
 - GP-110506 NIMTC

Rel-11

TEI 11

■ GAN

- **GP-110199, GP-110373** CRs 43.318, 44.318
endorsed/agreed: introduction of master IKE and master ESP profiles as defined by SA3 in 33.210

■ Low Priority NAS Signaling indication on the AS

- **GP-110272, GP-110273** CRs 44.060, 44.018 postponed
- Premature while Rel-10 work is yet to be completed
- Clarification as to whether “Low Priority NAS Signaling” refers to the NAS signaling of a MS configured for low access priority or to NAS signaling of low priority

Outgoing LSs

Outgoing LSs

- [GERAN2] **GP-110501** LS to CT1, SA1, SA2, RAN3 cc CT on Cell Broadcast Service in MOCN Shared Network
- [GERAN] **GP-110502** LS to SA2 cc RAN2, RAN3 on RAN Improvements for T-ADS
- [GERAN] **GP-110507** LS to RAN, RAN3 on enabling detection of unnecessary IRAT HO for Gb-mode BSS
- [GERAN2] **GP-110516** LS to SA4 on SMS on FACCH
- [GERAN] **GP-110387** LS to CT1 on Introduction of fast downlink frequency switching
- [GERAN] **GP-110510** LS to RAN, RAN3 on elur-g
- [GERAN] **GP-110382** LS to SA2 cc SA, SA1, SA3, SA5, RAN2, RAN3, CT1, CT4 on Release 10 NIMTC Work

Next Meetings

Next Meetings

- GERAN2 AdHoc on MTC 14-15 April 2011 Bratislava, SK
- GERAN#50 17 – 19 May 2011 Dallas, USA
- GERAN#51 30 Aug – 1 Sept 2011 Goteborg, Sweden



Renesas Mobile Corporation

© 2011 Renesas Mobile Corporation. All rights reserved.