



3GPP TSG GERAN2#52

Chairman's Summary

Chairman: Guillaume Sébire

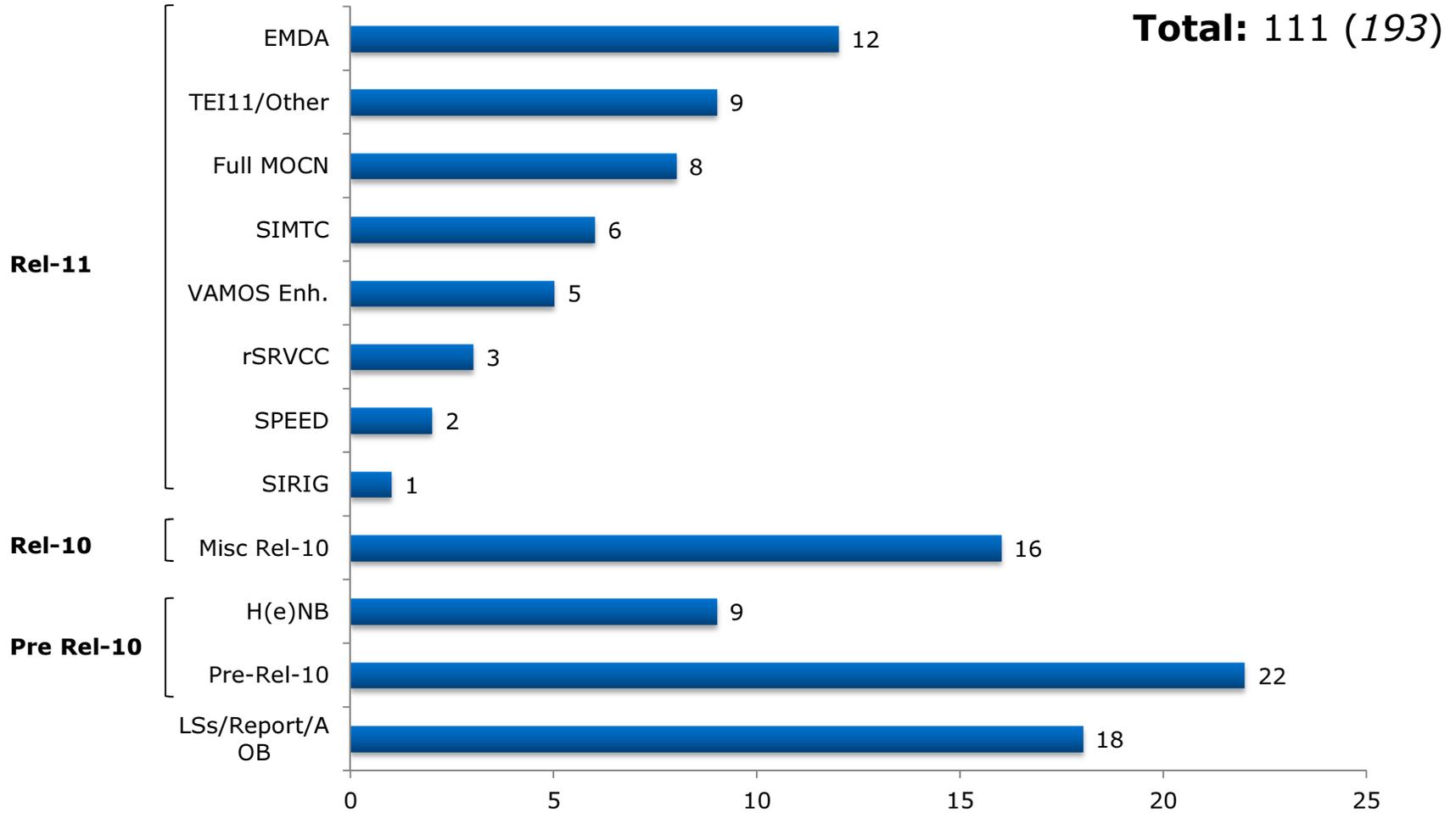
Secretary: Gert Thomasen (MCC Report: GP-111897)

Renesas Mobile Corporation
Renesas Mobile Europe

2011/11/24 Rev. 0.00

Incoming Contributions

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Schedule

Schedule

	Monday	Tuesday	Wednesday	Thursday	Friday
8am				SIRIG, SPEED	
9am		LSs	FULL MOCN		
10am		Pre-Rel-10	rSRVCC	Revisions	
11am		Coffee	Coffee	Coffee	
12pm		Pre-Rel-10	SIMTC	Revisions	
1pm		Lunch	Lunch	Lunch	
2pm					
3pm		H(e)NB	EMDA	Revisions	
4pm		Coffee	Coffee	Coffee	
5pm		TEI-10	EMDA	Revisions	
6pm			VAMOS Enh		
7pm			TEI11 / Other		
8pm		Full MOCN			

Pre Rel-10

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

- RTTI coding issues (Rel-7+), see GERAN#50
 - **GP-111738** CR 44.060 postponed. A decision will be taken at GERAN#53. Companies once again invited to provide feedback
- GP-111550 highlights an unspecified case for link quality measurement reporting for DLDC when both per slot mean BEP and interference measurements are requested in combination
 - **GP-111734, GP-111735, GP-111736, GP-111737** CR 44.060 agreed (Rel-7+): mean BEP measurements followed by as many interference measurements as can fit in the report message instance
- Reporting of LQM with EGPRS2 and DLDC
 - GERAN#51: Truncation of EGPRS PDAN Type 2 (EGPRS Ack/Nack description) agreed to overcome restrictions with the message wrt timeslot measurements. EFTA case was left FFS
 - **GP-111731** addresses EFTA case (i.e. EGPRS2+DLDC+EFTA) and suggests a new message be created EGPRS PDAN Type 3 omitting the fields related to TBF establishment in the new message (the new message being only used when no TBF establishment is requested)
 - This change was not deemed essential to Rel-9. Rel-11 inclusion was agreed that requires a bit indication in the Downlink TBF assignment message. Details of the proposal will be elaborated for GERAN#53
 - **GP-111732** CR 44.060 rejected (Rel-9)
 - **GP-111733** CRs 44.060 postponed (Rel-11)

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

- **GP-111824, GP-111825, GP-111826** CRs 48.008 agreed (Rel-8+): removal of the SPID from the A interface following the removal of support of SPID for the CS domain (see LS from SA2 in GP-110585)
- PWS
 - Misc. LSs received on digital signature
 - Reply LS in **GP-111882**
- EFTA
 - **GP-111795** Alternative EFTA multislot classes and multislot capabilities applicability for EFTA
 - Proposal for redefining EFTA multislot capabilities altogether
 - Given the magnitude of the changes, more time requested by GERAN2 to verify the proposed changes
 - **GP-111850, GP-111851** CRs 45.002 noted
 - **GP-111852** Draft CR 24.008 noted

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

■ Interworking

- Cipherring at inter RAT handover
 - GERAN#51: Keys availability is a requirement so cipherring can be started i.e. CMC / SMC procedure must have been completed.
 - **GP-111808, GP-111809, GP-111810, GP-111811** CRs 44.018 agreed (Rel-7+): The mobile station may be instructed to activate cipherring at handover to GERAN A/Gb mode provided a UTRAN RRC Security Mode Control procedure or a RR Cipherring Mode Setting procedure has been successfully completed for this CS connection before the handover
- **GP-111805, GP-111806, GP-111807** CRs 44.018 agreed (Rel-8+): [priority reselection] application of the value DEFAULT_UTRAN_QRXLEVMIN to UTRAN_QRXLEVMIN whenever DEFAULT_UTRAN_QRXLEVMIN is present in SI2q or UTRAN_QRXLEVMIN is omitted for a given frequency
- **GP-111691, GP-111692, GP-111693** CRs 44.018 rejected: fast acquisition clarifications will only be made in Rel-11
- **GP-111812 (F), GP-111878 (F), GP-111879, GP-111696 (F), GP-111880 (F), GP-111881** CRs 44.018, 44.060 agreed (Rel-8+) re-instating the requirement for the network to ensure that the GERAN priority is different from all E-UTRAN priority values and from all UTRAN priority values, and that all UTRAN priority values are different from all E-UTRAN priority values. (Rel-9 not a mirror of Rel-8)

H(e)NB Enhancements (Rel-9) (1/2)

- PLMN and CSG Whitelist handling
 - Further discussions in **GP-111677, GP-111699**
 - Problem confirmed i.e. [CS] RPLMN/EPLMN list used by the MS for CSG Access Check in dedicated mode / dual transfer mode may be outdated in which case the CSG Access Check in the MS is wrong (i.e. yielding cells reported that should not be reported; cells not reported that should be reported)
 - NAS and AS solutions investigated in GP-111677 and GP-111698.
 - 677: DTM solution where the MS need to use the [PS] RPLMN/EPLMN list data
 - 698: misc. solutions presented
 - **GERAN2 Working Assumptions:**
 - Dedicated mode:
 - MS not to report CSG cells following handover until it detects the RPLMN has changed such that:
 - Following a handover, SI6 LAI used by the MS to determine the PLMN of the new cell
 - Use the $\{\text{PLMN}\}_{\text{new cell}}$ received in SI6 instead of the $\{\text{rPLMN, EPLMN list}\}_{\text{old cell}}$ to perform the access check in order to determine whether CSG cells are allowed or not
 - Dual transfer mode:
 - To use the [PS] RPLMN/EPLMN list data from the RAU
 - LS to CT1 in **GP-111889**

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

■ CSG Reporting Requirements and Procedures

- Requirements to determine a CSG cell is to be reported defined solely in 45.008.
- 44.018/.060 series to define how reporting is done (room permitting in signaling messages)
- **GP-111608, GP-111609** CRs 45.008 noted
- **GP-111839, GP-111820, GP-111869, GP-111870** CRs 44.018, 44.060 agreed

Rel-10

LCLS

- **GP-111828** CR 48.008 agreed: LCLS connection status notification
 - Alignment with 23.284
 - Correction to the condition when to send the LCLS-Notification message upon a changed LCLS connection status in the BSS
 - Correction to the definition of LCLS-BCC-Status IE
- **GP-111719** CR 48.008 agreed: Correction to LCLS procedure upon local switching break at handover
- **GP-111759** Draft CR 48.008 not agreed: to accommodate the proposal from CT4 in GP-111547 to introduce an LCLS control plane indicator for DL user plane data during handover
 - Reply LS to CT4 in **GP-111801**

NIMTC

- **GP-111885** CR 44.018 agreed to make special ACs and emergency calls an exception to low access priority
- **GP-111886** CR 44.060 agreed: Correction to LAP NAS Signalling indication in PRR

MOCN

- **GP-111835, GP-111890** CR 48.008, 48.018 agreed to correct the conditions for sending the Reroute Command

TEI10 (1/2)

- Corrections of erroneous CR implementations
 - **GP-111587** CR 44.018 agreed
 - **GP-111588** CR 44.060 agreed
- SDCCH Support – **GP-111703**
 - GERAN2 recommendation to allow GPRS-only devices i.e. devices not supporting CS domain
- **GP-111823** CR 48.008 agreed: correction to Channel Type IE coding
- CSFB
 - LS from SA2 in **GP-111570** suggesting the addition of an indication to the BSS to know that a CS service is established as a result of CSFB
 - **GP-111829** CR 48.008 agreed
 - Reply LS in **GP-111871** asking whether Rel-8+ changes are necessary
- Unnecessary IRAT HO
 - LS from RAN3 in GP-111565
 - **GP-111874, GP-111875** CRs 48.008, 48.018 agreed
- **GP-111725** CR 48.008 rejected on DRNTI – not needed

Rel-11

Full MOCN (1/2)

- Indication of Selected PLMN
 - CS: NAS (confirmed by CT1)
 - PS: AS - LS to CT1 in **GP-111802**
 - **GP-111712** indication at AS in RLC data block without inclusion in LCC PDU itself by means of LI
 - **GP-111690** indication at AS in RLC data block without inclusion in LLC PDU itself by means of TLLI
 - Avoiding using spare bits in RLC/MAC headers
 - Use of Selected PLMN Index i.e. index into the list of PLMNs broadcast in the cell instead of Selected PLMN ID.
 - Contention resolution need to account for Selected PLMN Index in addition to the TLLI
 - **GERAN2 Conclusion:** Workable AS solution will be defined. Exact solution TBD

Full MOCN (2/2)

- Full MOCN support bit (GP-111723)
 - Agreement to introduce a bit to minimize delays at cell (re)selection in networks not supporting Full MOCN
- Broadcast of PLMN IDs
 - Legacy + up to 4 additional
 - SI messages: no decision
 - Note that the use of SI16/SI17 for Full MOCN would be restricted should SoLSA be used
- Access Class Barring
 - LS from SA1 requesting to apply ACB to different PLMNs individually
 - Some preference expressed to broadcast ACs together with the PLMN IDs
- Neighbor Cell Information
 - Proposal in GP-111689 to define the BA(list) of a shared cell to be the union of ARFCNs covering the neighboring cells of all PLMNs sharing the cell – No signaling changes required
 - Proposal for NCC Permitted per PLMN

rSRVCC

- LS from SA2 in **GP-111787** incl. proposed CRs
- A number of proposals in **GP-111577, GP-111676, GP-111701** taking into account TR/TS from SA2
- No agreement at this stage, more work required
- A number of questions on the Stage 2 CRs
 - Reply LS in **GP-111891**

SIRIG

- **GP-111876** WID updated as a building block of CT4 Parent Feature
 - Foreseen completion: GERAN#54 if SA2 feedback can be received in a timely manner
 - Sent to **plenary** for approval
 - LS to CT4 in **GP-111895**

TEI11 / Other (1/2)

■ Immediate Packet Assignment (IPA)

- Principle to assign packet resources to >1 MS with a single message (in a single block) – proposed as a generic mechanism:
- **GP-111672** updated performance evaluations following GERAN#51 requests
 - Gains displayed though concerns raised on the evaluations
 - Concerns raised on the PDCH figures shown
- **GERAN2 Agreement** on IPA principle and on IPA specification in Rel-11
 - Details of the CRs to be finalized. Further simulations not required
- **GP-111673, GP-111674** CRs 44.018, 44.060 postponed
- **GP-111675** Draft CR 24.008 noted
- **GP-111586** CR 44.018 agreed: removal of IPA from 44.018 (erroneous CR implementation)

■ Fast Acquisition

- **GP-111887** CR 44.018 postponed: misc. clarifications
 - **GP-111872** CR 44.018 merged with 887
- **GP-111894** CR 48.008 on AoIP to align with Stage 2: to allow the BSS to initiate an internal HO Preparation procedure when the Transport Layer Address has to be changed

TEI11 / Other (2/2)

■ Misc.

- **GP-111704** proposal for “Semi Transfer non-DRX mode” i.e. between Transfer non-DRX mode DRX mode where the MS is ordered to enter “Semi Transfer non-DRX mode” when leaving packet transfer mode
- **GP-111708** proposal for predefined “packet bearers” broadcast on BCCH and associated requests (RACH) and assignments (AGCH) to increase AGCH capacity
 - **GP-111709** proposal linked to GP-111708 addressing how access parameters (e.g. S, T) can be tuned and the amount of information in assignment messages reduced (e.g. request reference) to achieve a given collision probability

Study SIMTC (1/2)

- **GP-111716** TR 43.868 v0.5.0 endorsed – to be used as a baseline
- Battery metrics: definition pending (see GERAN#51)
- Simulation assumptions
 - Common assumptions for modeling the Implicit Reject should be agreed
- RACH proposals
 - GERAN#51
 - Agreement that Rel-10 mechanisms are to be used for further evaluation (LAP)
 - Convergence is encouraged among the different proposals for GERAN#52
 - Common Huawei+Ericsson proposal in pCR GP-111648
 - Similar concerns raised as in previous meetings
 - Concerns raised on the complexity of the combination
 - Comparison between ZTE+Huawei vs. Ericsson proposals in GP-111574
 - Implicit Reject taken into account
 - Similar concerns raised as in previous meetings
 - pCR in GP-111575 noted
 - Hybrid Packet Channel
 - GP-111726 includes some assumptions for implicit reject
 - No agreement

Study SIMTC (2/2)

- **[Plenary] GP-111892** identifies the scope of Rel-11 MTC-related enhancements based on SA#53 prioritization
 - Note: WID GP-111707 not endorsed
- **GP-111702** updated proposal to multiplex RLC data blocks from multiple mobiles in the same radio block period
 - Evaluation pending

Study on GERANEMDA

- **GP-111667** Workplan
- **GP-111666** Draft TR: endorsed as a baseline
 - Update following the telcos 1&2 since GERAN#52
- Evaluation assumptions
 - GP-111670, GP-111697, GP-111727
- Use case / Traffic models
 - GP-111697, GP-111727, GP-111671, GP-111665
- Output on assumptions/traffic models
 - **GP-111877** endorsed by GERAN2
- Proposed enhancements
 - GP-111705
 - PUAN for several MS based on the observation that most of the time only a few blocks are sent
 - Packet Control Ack using access burst formats with 1 to 4 bursts
 - Misc. clarifications
 - GP-111728 – resubmission of GP-100324 (GERAN2#47bis)

Study on VAMOS Enhancements

- **GP-111593** Draft TR: endorsed
 - §5.2.4: GERAN2 preference that “any increase of signalling load on the A interface should be avoided” instead of “The introduction of ENHVAMOS shall not increase the signalling load over the A interface”
- **GP-111594** Workplan
- **GP-111576** proposal to re-use Iur-g protocol stack on the new logical interface between two BSS
 - Proposal felt premature
 - GERAN2 recommendation to first define the information (and associated details rate, amount etc) that need to be exchanged between BSSs
- **GP-111597** proposal to exchange cell configuration (e.g. Tx power, Mobile Allocation configuration etc) and call information (e.g. MA, MAIO, speech codec) of mutually interfering cells between the BSCs controlling these cells
 - The exact information to exchange will be defined by GERAN1
 - GERAN2 will then accommodate the required protocol/signaling to exchange this information

Study on SPEED

- **GP-111766** Conclusion of the study noted
 - Limited impact from a GERAN2 perspective i.e. feasibility is not an issue from GERAN2 standpoint
- **GP-111767** Proposed updated of the TR noted

Outgoing LSs

Outgoing LSs

- **GP-111801** [GERAN2] LS to CT4, CT on Additional control procedures during inter BSS handover
- **GP-111802** [GERAN] LS to CT1 cc SA, SA1, SA2 on the introduction of the FULL-MOCN GERAN feature
- **GP-111871** [GERAN2] to SA2 on CSFB indication on the A interface
- **GP-111882** [GERAN2] LS to SA1, SA2, SA3, CT1, RAN2 on length of security in PWS
- **GP-111883** [GERAN] LS to SA3 on SACCH Ciphering
- **GP-111889** [GERAN2] LS to SA2, CT1 on CSG Access Check in Dedicated mode / DTM
- **GP-111895** [GERAN] LS to CT4, SA2 cc CT, SA, CT3 on Service Identification for RRC Improvements in GERAN
- **GP-111891** [GERAN2] to SA2 cc RAN2, CT1, CT4 on agreements on SRVCC from CS to PS

Next Meetings

Next Meetings

- GERAN2#53 28 Feb – 1 Mar 2012 Hamburg, Germany
- GERAN2#54 15 – 17 May 2012 Sanya, China



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