

3GPP TSG GERAN2#53

Chairman's Summary – GP-120449

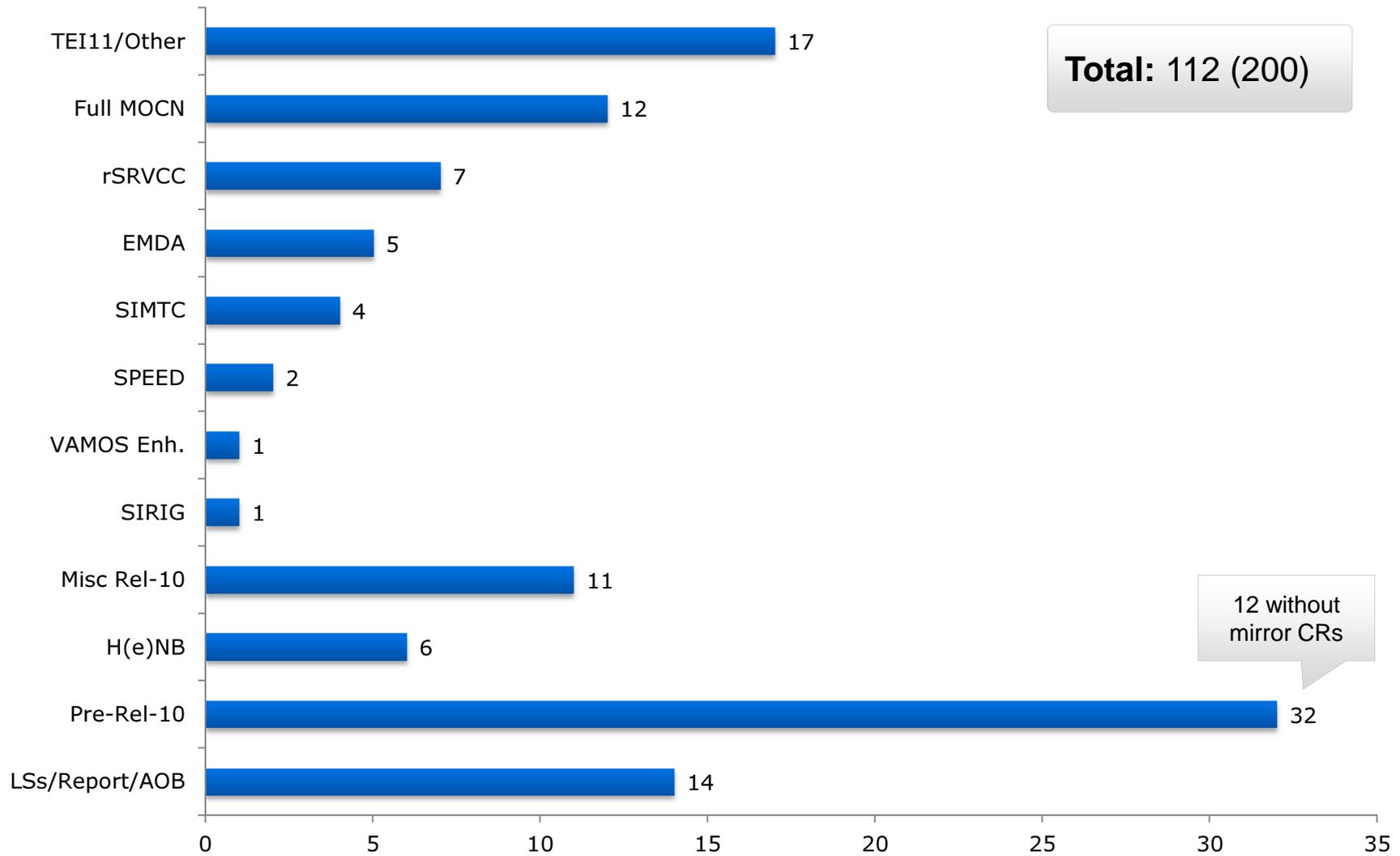
Innovative solutions
for tomorrow's challenges

Chairman: Guillaume SEBIRE

Secretary: Gert THOMASEN (MCC Report: GP-120451)

Incoming Contributions

Incoming Contributions



Schedule

Schedule

	Monday	Tuesday	Wednesday	Thursday	Friday
8am		LSs	SIRIG, SIMTC	Revisions	
		Pre Rel-10	GERAN EMDA		
10.30am		Coffee	Coffee	Coffee	
11am		H(e)NB	VAMOS Enh. TEI11	Revisions	
12.30pm		Lunch	Lunch	Lunch	
2pm		Rel-10	TEI11 Other	Revisions	
3.30pm		Coffee	Coffee	Coffee	
4pm		Full MOCN	Other	Revisions	
		rSRVCC	(Full MOCN)		
8pm					

Pre Rel-10

Misc. (1/3)

- LATRED / EGPRS2
 - RTTI Coding Issues [Rel-7+]
 - GERAN#52: decision due at GERAN#53
 - GP-120344, GP-120250, GP-120251, GP-120252 CRs 44.060 agreed

- Interworking [Rel-8+] (1/2)
 - GP-120307, GP-120308, GP-120309, GP-120310 CRs 44.018 agreed: correction to the abnormal case procedure for inter-RAT handover – reinstating some text erroneously deleted
 - GP-120197, GP-120198, GP-120199, GP-120200 CRs 48.008 postponed: alignment on the delivery of SPID with UTRAN, during CS Handover (incl. in Old BSS to New BSS Information)
 - Need questioned
 - GP-120201, GP-120202, GP-120203 CRs 44.018 rejected: clarification on fast acquisition: no need seen for the CRs

Misc. (2/3)

- Interworking [Rel-8+] (2/2)
 - Target eNB to Source eNB Transparent Container
 - LS from RAN2 in GP-120061 requesting update of GERAN specifications to ensure the content of the RRC container in the Target to Source Transparent Container *is* transparent, during a handover from GSM to LTE
 - GP-120433, GP-120434, GP-120435 CR 48.018 agreed
 - GP-120423, GP-120424, GP-120427 CR 44.060 agreed
 - GP-120425, GP-120426, GP-120428 CR 43.129 endorsed (GERAN1)
 - Reply LS to RAN2 in GP-120440

Misc. (3/3)

- EFTA [Rel-9+]
 - GERAN#52
 - GP-111795 Proposal for redefining EFTA multi-slot capabilities
 - More time requested to review the changes
 - GERAN#53 proposal in GP-120148 (Same as at GERAN#52)
 - GP-120149, GP-120150 CRs 45.002 endorsed
 - GP-120313 Draft CR 24.008 endorsed (LS to CT1 in GP-120314)
- ETWS
 - GP-120228, GP-120229, GP-120230 CR 48.049 agreed: invalidating the Warning Security Notification IE i.e. no purpose
- Misc. [Rel-9+]
 - GP-120195, GP-120196 CR 44.060 agreed: correction to PACKET SI STATUS. Some CSN1 content mysteriously deleted has been reintroduced
 - Kc128: removed from 48.008, added to 48.071
 - GP-120234, GP-120235, GP-120236, GP-120311, GP-120312 CRs 48.008, 48.071 agreed

[Rel-9] H(e)NB Enhancements

- PLMN and CSG Whitelist Handling
 - GERAN#52 – [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 {PLMN}new cell received in SI6 instead of the {rPLMN, EPLMN list}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
 - GERAN#53
 - LSs from CT1 and CT4
 - Dedicated mode:
 - [GP-120345](#), [GP-120346](#) CRs 44.018 postponed though in line with the WA above
 - Dual transfer mode:
 - [Working assumption](#): in case of DTM Handover, the CSG membership check is done by the SGSN. This will be verified by CT1, CT4
 - [GP-120192](#), [GP-120193](#), [GP-120194](#) CRs 48.008 postponed: disabling CSG Access check in the MSC.
 - Reply LS to CT1, CT4 cc RAN2, RAN3, SA2 in [GP-120443](#) to verify the above working assumption and clarify the MSC CSG membership check from CT specifications (GERAN specifications are consistent. CT specifications are incomplete)

Rel-10

LCLS

- GERAN#52
 - **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
 - Further discussions at GERAN#53
- GERAN#53
 - Additional LS from CT4 in GP-120056 on voice detection function in the BSS
 - GP-120205 argues against the LCLS control plane indicator ref. above
 - GP-120336 proposing a company alternative to CT4 proposal – not proposed against CT4 proposal
 - Concerns raised
 - **GERAN2 Agreement** to proceed with LCLS Control Plane indicator for DL user plane data during handover, upon approval of Stage 2 by CT
 - **GP-120224, GP-120225, GP-120226, GP-120227** CR 48.008 postponed: more work needed
 - LS to CT, CT4 in **GP-120302** (response to GP-120056 and GP-111547) – sent to CT#55

TEI10

- **GP-120140** CR 44.018 rejected: clarification of T3212 (periodic LAU timer). 24.008 is the appropriate specification to update should any CR be needed
- PS-only devices
 - **GP-120349** CR 44.003 agreed: SDCCH support restricted to MS supporting CS services
- **GP-120340** CR 44.018 agreed: wrong implementation of a previous CR

Rel-11

Full MOCN (1/5)

- LS from SA2 in GP-120069 asking for inclusion of PLMN ID on the A and Gb interface: [GERAN2 view](#) that this is not needed in FULL MOCN Rel-11. Clarification requested from SA2 in [GP-120441](#) (cc RAN, SA, CT1)
- Previous agreements:
 - Full MOCN support bit to be added in sys.info
 - Broadcast of PLMN IDs: legacy + up to 4 additional
- A drafting session took place, the results of which, [agreed by GERAN2](#), are available in [GP-120343](#) and duplicated in the following three slides

Full MOCN – Agreements (2/5)

Parameter	Common / Per PLMN	CSN1 Mandatory / Optional	Purpose	
			Access	(Re)selection
PLMN IDs	Per PLMN	Mandatory	X	X
ACB	Per PLMN	Legacy: mandatory New: optional	X	
• DSAC (FFS)	FFS	FFS	X	
EAB parameters	Per PLMN	Legacy: optional New: optional	X	
• DSAC (FFS)	FFS	FFS	X	
GSM BA(list)	Common	Mandatory		X
NCC Permitted	Per PLMN	Mandatory – <i>Note 1</i>		X
Inter RAT parameters	Per PLMN – <i>Note 2</i>	Mandatory		X (reselection)

Note 1: NCC allocation rules need to be defined in TS 23.003. Some operators may use the same NCC in case there is no sufficient NCCs available for FULL MOCN.

Note 2: 3G and LTE NCL are common right now, though these cells may not be shared among the PLMNs sharing the GSM cell - this need to be addressed on a Per PLMN basis

Full MOCN – Agreements (3/5)

Parameter	Transmission Frequency per “8 51-multiframes”	PCH clash	Purpose	
			Access	(Re)selection
PLMN IDs	1 or 2 TCs	FFS	X	X
ACB	Legacy: unchanged New: 1 TC. <i>Note 3</i>		X	
• DSAC (FFS)	FFS		X	
EAB parameters	SI21		X	
• DSAC (FFS)	FFS		X	
GSM BA(list)	Unchanged			X
NCC Permitted	With PLMN ID			X
Inter RAT parameters	FFS			X (reselection)

Note 3: An indication that there is no ACB active would be useful

Full MOCN – Agreements (4/5)

- Indication of Selected PLMN (PS Domain) – MS > BSS
 - Length Indicator (LI) - based solution
 - LI + Selected PLMN index (See Ericsson/ALU proposal)
 - (or n LIs i.e. one LI per PLMN? i.e. less overhead)
 - Specific indication needed when Selected PLMN = Common PLMN (as per SI3) to avoid rerouting in the BSS (vs. Rel-10 MOCN and non-FULL MOCN MS)
 - ⇒ Selected PLMN Index: 5 indices

Full MOCN (5/5)

- Broadcast of Full MOCN information
 - GP-120135 – Proposal to use a single message instead of SI16+SI17 to minimize the acquisition time and cell (re)selection delay
 - GP-120247 – Proposal to use SI16+SI17
 - GP-120248 CR 44.018 postponed
 - GP-120147 CR 45.002 noted
- Indication of Selected PLMN by the MS to the BSS
 - CS Domain: NAS solution agreed by CT1
 - PS Domain:
 - As per the previous slides, GERAN2 agreement for a LI-based solution:
 - GP-120233 CR 44.060 postponed
 - Other CRs rejected: GP-120215, GP-120258 (GP-120216 noted)
- Domain-Specific Access Control
 - GP-120271: provides motivations for DSAC
 - New WID in GP-120445 to specify DSAC for FULL MOCN: to plenary

rSRVCC

- Provision of Serving PS node information to the BSS
 - Disagreement as to whether AS or NAS protocols should be used
 - Misc. discussions in GP-120208, GP-120276
 - LS to SA2 cc RAN2, RAN3, CT1 in [GP-120442](#) requesting guidance on 3GPP TS 23.216
 - CRs 48.008 postponed in [GP-120207](#), [GP-120209](#)
- [GP-120325](#) CR 48.008 postponed (proposal [endorsed](#)): indication to the BSC in ASSIGNMENT REQUEST and HANDOVER REQUEST whether or not rSRVCC is possible towards HSPA and/or E-UTRA
- [GP-120218](#) CR 44.018 postponed
- [GP-120219](#) CR 48.018 postponed
- Consistent set of CRs expected before agreement

SIRIG

- GP-120257 on considerations for service identification – service types

- A number of views expressed
 - Generic identifiers to be configured (O&M) by operators individually
 - Identifiers of service types
 - Identifiers of service characteristics
 - Identifiers of given services

- ⇒ exact definition of identifiers outside GERAN2

- GP-120448 LS to CT4 on service identifiers for SIRIG

TEI11 (1/4)

- Immediate Packet Assignment
 - GERAN2#52 Agreement on IPA principle and on IPA specification in Rel-11 without any additional simulation effort required
 - GERAN#53: confirmation of the above
 - GP-120188, GP-120211: Number of Tx slots indicated instead of MSC
 - GP-120323 Comments on IPA: highlights a number of points to be taken into account in IPA discussions
 - IPA to be taken into account in EMDA.
 - Companies invited to provide feedback offline
 - GP-120337 CR 44.060 postponed
 - GP-120338 CR 44.018 postponed
 - GP-120339 Draft CR 24.008 noted
- Fast Acquisition of System Information
 - GP-120223: proposed enhancements to fast acquisitions. Requested to be seen in GERAN1 for reselection aspects
 - GP-120447 CR 44.018 agreed

TEI11 (2/4)

- De-correlation FANR / RTTI
 - GERAN2 agreement to allow FANR only (i.e. without RTTI) in Rel-11 specifications without affecting Rel-7
 - Concerns raised by one company on the proposal
 - GP-120332 CR 44.018 agreed
 - GP-120429 CR 44.060 agreed
 - GP-120334 Draft CR 24.008 endorsed
 - LS to CT1 in GP-120432

TEI11 (3/4)

- Reporting LQM with EGPRS2, DLDC, EFTA
 - 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
 - GERAN#52: Agreement to create in Rel-11 a new message (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) agreed for Rel-11 – Details to be elaborated for GERAN#53
- GP-120430 CR 44.060 agreed
- GP-120431 CR 44.018 agreed

TEI11 (4/4)

■ CSFB

- GP-120266, GP-120243 suggesting a prioritization of CSFB LAUs Establishment Cause for CSFB calls that involve a Location Update procedure to minimize the call set-up delay for CSFB
 - GERAN2 Agreement to specify the use of specific [existing] access causes in CHANNEL REQUEST, *in Rel-11*, with recommendation for early implementation
 - [GP-120438](#) CR 44.018 agreed (Rel-11)
- GP-120269, GP-120244 (addressing the LS from RAN3 in GP-120062) requesting an explicit indication of CSFB calls from the MS to the network for collecting statistics in the network
 - The need to collect CSFB statistics is acknowledged, however it was discussed whether the existing CSFB indication in the MSC/BSC CLEAR COMMAND can be used for this purpose; or other network means can be used for this purpose; or the MS/Network interface need to be changed for this purpose: concerns raised on impacting the MS for collecting statistics in the network
 - The discussion highlighted the indication could be used for prioritization in the nw
 - [GP-120444](#) CR 44.018 agreed: explicit indication by the MS in the Paging Response message for CSFB MT Calls
 - LS to RAN3 cc RAN2, CT1 in [GP-120450](#)

Other

- GP-120327 highlights severe limitations with signaling MS RAC based on existing mechanisms (PRR + AMSRAC messages) depending on the feature combinations
 - More work needed

Study SIMTC

- [GP-120329](#) Pseudo-CR on conclusion of CCCH overload control endorsed with concerns from one company
- GP-120256 Evaluation of Implicit Assignment Reject confirming the behavior and efficiency of the mechanism
- GP-120264 proposal for sharing a USF among several MS on a time-basis (by means of sub-channels)
 - Misc. questions raised on usage, performance and impact to legacy

Study GERAN EMDA

- GP-120446 TR 43.802: **Plenary**
- GP-120122 Workplan: noted
- **GP-120212** highlighting issues with the modeling of the IM message inter-arrival time (distribution) and associated correction - endorsed
- **GP-120240** proposing to refine the modeling of the IM message inter-arrival time to include two exponential distributions instead of only one - endorsed
- Optimized system access procedure – more work needed
 - Proposals in GP-120241, GP-120242,
 - Evaluation in GP-120272
 - Proposal aiming at improving the AGCH capacity through
 - New Random Access message indicating OSAP capability (requiring new TSC): GERAN1 evaluation required
 - Providing common (static) radio resource parameters for several MS BCCH – System Information message
 - Providing per-MS PDCH assignment parameters, for up to 7 MS per message on AGCH – Enhanced Immediate Assignment message
 - Providing the remaining TBF parameters to individual MSs on PACCH – Additional TBF information message

Study on SPEED

- [GP-120166](#) proposed conclusion for SPEED
 - No issues or concerns expressed by GERAN2
 - Endorsed
- [GP-120393](#) CR to 45.960 endorsed: SPEED conclusion

Study on VAMOS Enhancements

- [GP-120125](#) Draft TR 43.801 Solutions on VAMOS Enhancements, v0.3.1
 - Agreed as a baseline for future work

Outgoing LSs

Outgoing LSs

- Source GERAN2:
 - GP-120301 LS to CT1 cc RAN2 on Re-documentation and alignment of PWS
 - GP-120302 LS to CT, CT4 on Additional Control procedure during Inter-BSS Handover
 - Sent to CT#55 plenary on March 1st.
 - GP-120440 LS to RAN2 on Clarification to the handling of the RRC container during inter-RAT handover
 - GP-120442 LS to SA2 cc RAN2, RAN3, CT1 on rSRVCC Serving PS Node
 - GP-120443 LS to CT1, CT4 cc RAN2, RAN3, SA2 on issues on inbound CSG mobility failure
 - GP-120450 LS to RAN3 cc RAN2, CT1 on CSFB awareness in UMTS and GERAN

- Source: GERAN:
 - GP-120314 LS to CT1 on Corrections to Alternative EFTA multislots class field
 - GP-120432 LS to CT1 on FANR Capability Indication
 - GP-120441 LS to SA2 cc RAN, SA, CT1 on the introduction of FULL-MOCN-GERAN feature
 - GP-120448 LS to CT4 on Service Identifiers for SIRIG

Next meetings

Next meetings

- GERAN2#54 15 – 17 May 2012, Sanya, China
- GERAN2#55 28 – 30 August 2012, Vienna, Austria
- GERAN2#56 20 – 22 November 2012, Prague, Czech Republic



www.renesasmobile.com