

3GPP TSG GERAN2#56

Chairman's Summary – GP-121428

Innovative solutions
for tomorrows challenges

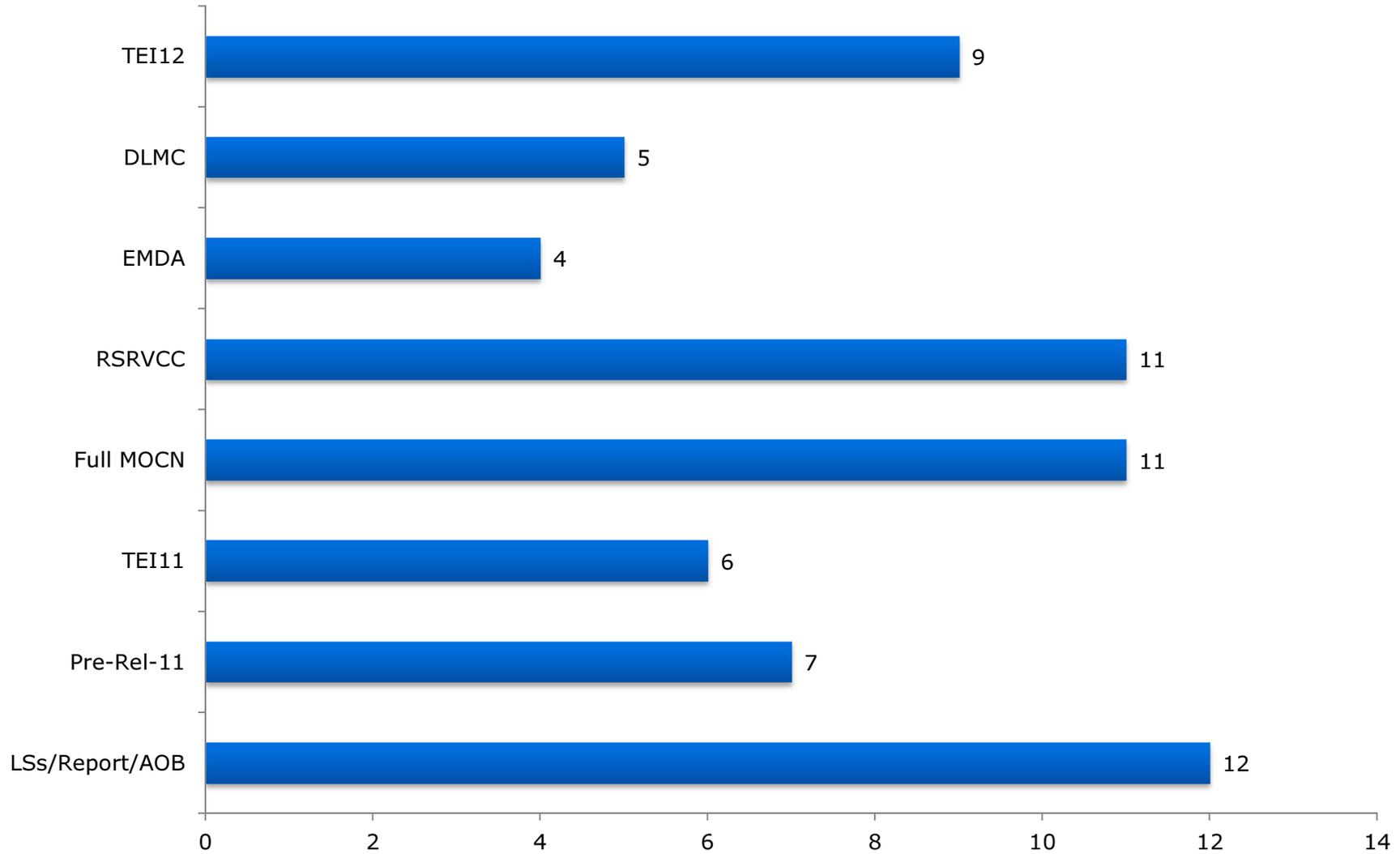
Chairman: Guillaume SEBIRE

Secretary: Gert THOMASEN (MCC Report: GP-121432)

Incoming Contributions

Incoming Contributions

Total: 62 (135)



Schedule

Schedule

	Monday	Tuesday	Wednesday	Thursday	Friday
9am		LSs	TEI11	Revisions	
10.30am		Coffee	Coffee	Coffee	
11am		Pre Rel-11 FULL MOCN	DLMC	Revisions	
12.30pm		Lunch	Lunch	Lunch	
2pm		FULL MOCN	DLMC EMDA	Revisions	
3.30pm		Coffee	Coffee	Coffee	
4pm		RSRVCC	EMDA TEI12	Revisions	
6.30pm					

Pre Rel-11

Misc.

- Extension information in DTM Handover Command
 - Discussion in GP-121310: Issue with the limited size of the extension information in DTM HO CMD (as of Rel-7) vs. the nr. of bits required for one or more Rel-9 features
 - GP-121429, GP-121430 CR 44.060 <TO PLENARY> (Rel-10+)
- MTC:
 - GP-121416, GP-121417 CR 44.060 agreed (Rel-10+) to allow selective use of NMO-I for some MS
 - LS to CT1 in GP-121418

Rel-11

Full MOCN + DSAC (1/2)

- GERAN#55:
 - Open issues
 - Inter-RAT NCL impact
 - Indication of Selected PLMN on A/Gb interface
 - Minimization of inter PLMN handovers from non-shared to shared BSS
- Support of mobility to other RATs
 - Discussions in GP-121351 and GP-121322
 - Way forward for supporting MS:
 - SI23 message including, per PLMN, up to 3 frequencies and priorities per RAT (UTRAN/E-UTRAN) and mode (FDD/TDD), as well as associated thresholds
 - If no UTRAN and/or E-UTRAN info is provided for a given PLMN in SI23, then there is NO interworking with UTRAN and/or E-UTRAN towards that PLMN in this cell
 - Inter-RAT Measurement parameters acquired as per legacy means
 - GP-121423 CR 44.018 agreed
 - CR to 45.008 will be needed
- Indication of Selected PLMN ID on A/Gb interface
 - GP-121424, GP121425 CR 48.008, 48.018 <TO PLENARY> / agreed: indication of selected PLMN ID on the A and Gb interfaces in COMPLETE LAYER 3 INFORMATION, COMMON ID messages and the UL-UNITDATA PDU

Full MOCN + DSAC (2/2)

- Indication of Selected PLMN at handover:
 - Indication of Selected PLMN at CS handover to a shared GERAN
 - PLMN ID of Selected PLMN to be provided in SI6 in the target cell after handover
 - LAI (1240) or New IE?
 - Index of Selected PLMN to be provided (DTM)
 - By the Network: Handover Command (1354) or SI6 (1240) ?
 - By the MS: GTTP Info message (1354, 1295)
 - Indication of Selected PLMN at PS handover to a shared GERAN
 - Index of Selected PLMN to be provided
 - By the Network: PS Handover Command (1355) or ?
 - GP-121240, GP-121295, GP-121354, GP-121355 postponed
 - Resolution of outstanding issues encouraged prior GERAN#57
- GP-121362 CR 44.018 agreed: misc. clarifications and corrections

rSRVCC (1/3)

- GERAN#55
 - Exception sheet in GP-121116
 - Very little progress in this meeting
 - Open issues
 - Handling of IMS Information + security parameters
 - Handling of UE EUTRA Capabilities in the CS domain
 - Completion expected at GERAN#56
- GERAN#55 misc. LSs sent
 1. Capability indicator for RSRVCC: To SA2 Cc RAN2, RAN3, CT1
 2. Notification of IMS Information for RSRVCC: To SA1, SA2, CT1, RAN, RAN2, RAN3
 3. Content of Handover Required for RSRVCC: To SA2 Cc RAN2, RAN3
 4. Reporting of UE E-UTRAN Capabilities for RSRVCC: To RAN2 Cc RAN3, SA2
- GERAN#56 misc. LSs received
 1. From SA2 in GP-121293
 2. From RAN2 in GP-121286 [No response from SA2]
 3. From SA2 in GP-121292
 4. From SA2 in GP-121373
From RAN2 in GP-121289

rSRVCC (2/3)

- Provision of IMS and other NAS information
 - GP-121365 CR 44.018 agreed
 - GP-121405 CR 48.008 agreed
 - Open issue with CN to MS transparent information:
 - Need to ensure all the information passed in ATGW is required for RSRVCC at handover given the inclusion in the Handover Command message i.e. that no unnecessary information be sent
 - Open issue with $\text{NONCE}_{\text{MME}}$: proposal to only convey $\text{NONCE}_{\text{MSC}}$ and to omit $\text{NONCE}_{\text{MME}}$ in the *NAS security parameters to E-UTRA*
 - LS to CT1, SA3 cc RAN2, RAN3, SA2 in GP-121431
 - GP-121367 CR 48.018 agreed

rSRVCC (3/3)

- Handling of UE E-UTRA Capabilities in the CS domain
 - GP-121320: proposal to define a short E-UTRA Capabilities to address GERAN limitations
 - Concern raised that this is up to RAN2 to define based on limitation in GERAN
 - **GP-121321** CR 44.018 postponed
 - GP-121301: proposal *not* to send the capabilities, but instead for the source BSS to notify the target eNB of some supported E-UTRA freq/bands based on measurement report from the MS in GERAN
 - Misc concerns raised on the proposal (violation of the source adapts to target principle, impact to eNB)
 - GP-121326 proposal for the BSS to obtain the information from the SGSN
 - Misc. concerns raised that the BSC may have no PS connection during the CS call (even if the SGSN has the needed information) or may not have had one
 - **GP-121329** CR 48.008 postponed
 - No agreement
 - LS in **GP-121402** to indicate the GERAN LAPD limitation and request RAN2 for guidance
- **GP-121369** Draft CR 24.008 endorsed: Mobile CS to PS SRVCC capability
 - The CR is in line with RAN2 LS in GP-121376
 - LS to CT1, RAN2 cc RAN3, SA2 in **GP-121422**

TEI11 (1/2)

- Wideband RSRQ measurement
 - LS from RAN4 in GP-121352
 - No contribution
- [GP-121315](#) CR 44.018 agreed to complete the definition of Uplink Reply Procedure for VGCS/VBS as per ETSI TC RT endorsement
- IPA: [GP-121412](#), [GP-121372](#) CRs 44.018, 44.060 agreed: misc. corrections
- GP-121251 proposal to apply EAB on a per LA/RA basis as a means to save MS battery
 - Discussion highlighted EAB granularity can be at cell level, and that EAB is expected to be used only rarely
 - More work needed and savings to be clarified

TEI11 (2/2)

- SGSN / BSS overload control
 - GERAN#55:
 - LS from SA2 in GP-120859 indicating the possibility for the SGSN to request RR connection rejects for LAP MS
 - **GP-121115** CR 48.018 postponed: Further justifications needed for the proposed mechanism
 - GERAN#56
 - Discussion and justification outlined in GP-121318
 - **GP-121403** CR 48.018 agreed

Rel-12

TEI12 (1/3)

- MS RAC limitations (see next slide)
 - GERAN#53: GP-120327 highlights severe limitations with signaling MS RAC based on existing mechanisms (PRR + AMSRAC messages) depending on the feature combinations
 - GERAN#54: GP-120679 details complementary approaches to address issues with the transmission of MS RAC
 - [GERAN2 view](#) to start by attempting to resolve the issue on the radio interface without impacting other interfaces
 - Companies encouraged to provide feedback prior GERAN#55
 - GERAN#55
 - Proposal in GP-121010, GP-121011 (CRs)
 - Savings analysis should be done
 - Robustness of the proposal is not clear: concerns expressed that the proposal would not eradicate the problem
 - Investigations of network-based solutions (compatible with legacy terminals) were encouraged such as the BSS fetching MS RAC from the SGSN

TEI12 (2/3)

- MS RAC limitations
 - GERAN#56
 - GP-121332 analyzes the availability of MS RAC in the network (through preliminary provisioning at NAS) and potential fetch of MS RAC by the BSS from the SGSN
 - MS RAC is not available until a successful Attach / RAU
 - BSS is unable to know whether or not MS RAC is available when signaling is requested
 - Some support expressed that a network-based approach is sufficient
 - GP-121333 provides a number of different combinations of approaches (with pros/cons) for conveying MS RAC on the radio interface
 - No additional support for changing the provision of MS RAC on the radio interface

TEI12 (3/3)

- **GP-121359** CR 44.060 postponed: aims to address the trigger of MS cell reselection failure when the network issues a PCCO while the Ready Timer is not running and the MS does not perform any access in the new cell (cell update or other)
 - No agreement the scenario is valid and the change is needed
- GP-121298 proposal for PWS indication in connected mode
 - Proposal to indicate whether or not PWS WN is ongoing, while in connected mode
 - Rel-12 Stage 1 requirements state (22.268)
 - Reception and presentation of Warning Notifications to the user shall not pre-empt an active voice or data session.
 - General PWS requirement: PWS capable UEs (PWS-UE) *in idle mode* shall be capable of receiving broadcasted Warning Notifications.
 - LS to SA1 cc RAN2 in **GP-121427** to consider whether or not an additional requirement is needed
 - **GP-121296, GP-121297** CRs postponed
- GP-121303, GP-121304 Energy-efficient AGCH monitoring (incl. evaluations)
 - Proposal for the MS to take into account the BSS max response time when matching an Immediate Assignment response with only the last transmitted Channel Request
 - GERAN#55, #56: Misc. concerns expressed

Downlink Multicarrier

- Proposed working assumptions in [GP-121420](#) endorsed
 - WG1/WG2 status captured
 - Should be seen in **<PLENARY>**
- GP-121271 discussing means to mitigate blocking due to Wideband MS receiver, by using a periodical single carrier operation
 - No feedback on L2/3 aspects of this proposal
- GP-121277 proposal for a new PDAN message to accommodate up to 4 carriers
 - Misc. comments and clarification

Study GERAN EMDA

- No new version of TR 43.802
- GERAN#55: Simulation assumptions finalized
- Hybrid Packet Channel
 - Further evaluations provided in GP-1212281 – comparison with IPA
- OSAP
 - Discussion in GP-121305 suggesting OSAP as an alternative to IPA in Rel-12
- USF extension
 - GP-121323: No agreement there is a problem with the existing USF space
- Improved RR usage / Fast TBF re-establishment
 - GP-121331: additional simulations provided.

Outgoing LSs

Outgoing LSs

- **GP-121402** LS to RAN2 cc RAN3, SA2, RAN, SA on reporting the UE E-UTRAN Capabilities for rSRVCC from GERAN to E-UTRAN
- **GP-121418** LS to CT1 on NMO 1 for suitably configured (e.g. MTC) devices in GERAN
- **GP-121421** LS to CT4 cc SA4, CT1 on Compatible codec types and configurations for TFO and TrFO
- **GP-121422** LS to CT1, RAN2 cc RAN3, SA2 on Capability Indicator for SRVCC from UTRAN/GERAN to E-UTRAN/HSPA
- **GP-121427** LS to SA1 cc RAN2 on reporting PWS Indication for users in connected mode
- **GP-121431** LS to CT1, SA3 cc RAN2, RAN3, SA2 on Optimization of the IMS Information and Security Parameters for CS to PS SRVCC from GERAN to E-UTRAN/HSPA

Next meetings

Next meetings

- GERAN2#57 20 – 22 November 2012, Vienna, Austria
- GERAN2#58 14 – 16 May 2013, TBD
- GERAN2 #59 27 – 29 August 2013, Sofia, Bulgaria
- GERAN2#60 19 – 21 November 2013, TBD



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