3GPP TSG GERAN2#55

Chairman's Summary – GP-121174

Innovative solutions
for tomorrows challenges

Chairman: Guillaume SEBIRE
Secretary: Gert THOMASEN (MCC Report: GP-121175)

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Incoming Contributions

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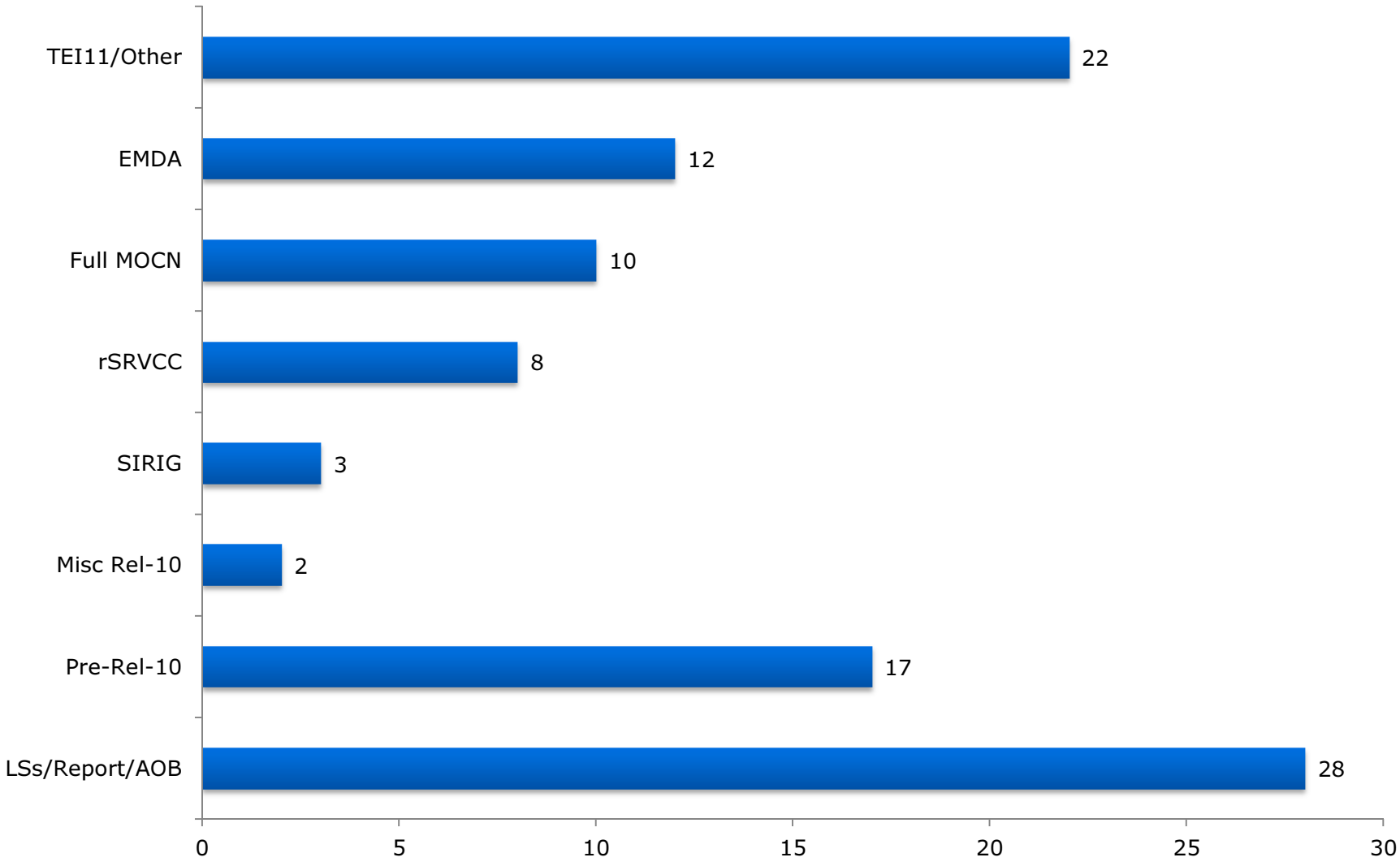
Incoming Contributions

Total: 102 (174)



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Schedule

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Schedule

	Monday	Tuesday	Wednesday	Thursday	Friday
8am		LSs Pre Rel-10	rSRVCC	Revisions	
10.30am		Coffee	Coffee	Coffee	
11am		(Pre)Rel-10 FULL MOCN	EMDA	Revisions	
12.30pm		Lunch	Lunch	Lunch	
2pm		FULL MOCN DSAC	EMDA TEI11 / Other	Revisions	
3.30pm		Coffee	Coffee	Coffee	
4pm		FULL MOCN / DSAC BTS Energy SIRIG	TEI11 / Other	Revisions	
8pm					

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Pre Rel-10

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Misc. (1/2)

- GP-121017, GP-121018 CR 48.071 agreed: Correction of element coding identifier (Rel-9+)
- GP-120958, GP-120959, GP-120960 CRs 44.060 postponed (Rel-9+): correction to PS HO Command coding
  - Issue identified with extension length
- Interworking (1/2)
  - LS from RAN2 in GP-120903 on EUTRA message in PS HO Commmand
    - Same content as received in GERAN#54 (GP-120548) to which GERAN2 already responded
    - GP-121082, GP-121083, GP-121084 CR 48.018 agreed (Rel-8+): Correction of Target to Source Transparent Container IE
    - GP-121085, GP-121086, GP-121087, GP-121088 CR 44.060 agreed (Rel-8+): Correction of RRC Container
    - LS to RAN2 in GP-121166
  - GP-121089, GP-121021, GP-121022, GP-121023, GP-121024 CR 44.060 (Rel-7+) agreed Correction to PACKET CS RELEASE INDICATION CSN1 encoding

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Misc. (2/2)

- Interworking (2/2)
  - GP-121103, GP-121104, GP-121105 CRs 44.060 agreed (Rel-9+): correction to enhanced cell reselection parameters description

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Rel-10

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TEI10

- GERAN#54: Misc CSN1 corrections to 44.060 provided in GP-120710 addressing features specified back in Rel-6 (among others)
  - Time was requested to verify the compatibility with MS on the field
  - GERAN#55: GP-121012, GP-121013 CRs 44.060 agreed

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Rel-11

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Full MOCN + DSAC (1/2)

- Full MOCN WID Updated in GP-121090 to remove 23.003 from the list of affected specs (handled by CT4) as requested by CT4 in GP-120882
- Full MOCN Exception sheet in GP-121155 [Plenary]
- DSAC work completed
- 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
- Completion expected at GERAN#56

- LS from CT4 indicating agreement on NCC Changes in 23.003
  - Reply LS in GP-121167

- RLC/MAC changes: GP-121120 CR 44.060 agreed
- RR Changes: GP-121153, GP-121152 CRs 44.018 agreed
- GP-120922 CR 45.002 endorsed

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Full MOCN + DSAC (2/2)

- Support of mobility to other RATs
  - GP-120975: proposal to add bitmaps (one per PLMN) in FULL MOCN SI messages pointing to given SI2quater instances where the inter RAT info per PLMN is contained
  - GP-121014 proposal to add bitmaps (one per PLMN) in FULL MOCN SI message pointing to applicable frequencies to a PLMN
  - GERAN1 guidance needed
    - Nr of frequencies to be broadcast in SI2ter and SI2quater
- Indication of Selected PLMN ID on A/Gb interface
  - See SA2 LS at GERAN#54 in GP-120554
  - Disagreement in GERAN#54 whether or not to use the Cell ID

  - GP-120909, GP-120910 CRs 48.008, 48.018 postponed
  - LS to SA2 in GP-121168

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rSRVCC (1/3)

- Exception sheet in GP-121116 [Plenary]
- 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

- Provision of IMS information
  - GERAN2#54: Handover command
  - LS received from SA2 (GP-120864) indicating ongoing discussions for NAS vs AS (conclusion expected at SA2#93 in Oct 2012)
    - Reply LS from CT1 in GP-120884, RAN3 in GP-120912. No reply for RAN2 at this stage
  - Discussion in GP-120995 comparing NAS (Identification procedure) vs. AS (Handover Command)
    - 4 companies recommending AS solution
    - 3 companies recommending NAS solution given concerns with the AS solution
    - AS deemed feasible
  - No agreement on AS vs NAS
  - Conclusion expected at GERAN#56, depending on SA2
  - Reply LS in GP-121173 – (one company objected)

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rSRVCC (2/3)

- Handling of voice/non-voice PS bearers, content of Handover Required message
  - Misc. LSs in GP-120862, GP-120904, GP-120902
  - Discussion in GP-120996
  - BSC to create Source eNodeB(/RNC) to Target eNodeB(/RNC) transparent container IE
    - No PS bearers to be included in the container (no PS HO initiated by the BSS)
  - Reply LS in GP-121164
- Handling of UE E-UTRA Capabilities in the CS domain
  - LS from SA2 in GP-120860
  - rSRVCC to E-UTRAN requires the UE E-UTRA Capabilities be available at the BSC such that it can be included in the *source eNB to target eNB transparent container* IE
  - No agreement on a solution
    - Proposal in GP-120954 suggesting transfer of the capabilities over the radio interface at early classmark sending (by means of an EUTRAN Classmark Change message) not agreed.
    - GP-120955 CR 44.018 postponed
      - Some concerns expressed on the radio interface impacts due to the size of the UE E-UTRA Capabilities IE
  - Reply LS in GP-121171

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rSRVCC (3/3)

- GP-121097 CR 44.018 postponed
- GP-121098 CR 48.008 postponed
- GP-120997 CR 44.060 postponed
- GP-121099 CR 48.018 postponed: principle ok

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SIRIG

- SIRIG work completed
- LS from SA2 and CT4 in GP-120863, GP-120881
  - Indication of a solution agreed for the BSC handling of roaming scenario
  - Indication of the specification of SCI (service class indicator) in GTP-U header extension
  - Need for the BSC to identify the Source (PLMN ID) of the SCI
  - Reply LS in GP-121162
- GP-121119 CR 48.018 agreed: SIRIG signalling on the Gb interface, in accordance with GP-120863, GP-120881
- GP-120956 proposal not agreed

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TEI11 (1/2)

- Immediate Packet Assignment
  - Misc. enhancements proposed in GP-120961, GP-120964
    - Need, use case(s) questioned
    - CRs rejected in GP-120965, GP-120966
  - GP-121111 CR 44.018 introduction of Implicit Reject in IPA
  - IPA analysis provided in GP-120979 and GP-120980 for UL and DL assignments
- Handling of Dual Priority Devices
  - GP-121151, GP-121102 CRs 44.018, 44.060 agreed conditionally
  - [Overnight check vs CT1 specs/CRs]
- Inter-RAT Signalling for Energy Saving
  - LS from RAN3 in GP-120858, GP-120906 requesting RIM changes
  - GP-121106 CR 48.018 endorsed accordingly
    - Building block proposed to link the changes to RAN3 WID: GP-121107
    - Plenary
  - Reply LS to RAN3 in GP-121172

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TEI11 (2/2)

- Coding of Global eNB ID in 48.018
  - LS from RAN3 in GP-120857 indicating a confusion with the coding used for the Global eNB ID in 48.018
  - GP121108 CR 48.018 agreed (Rel-11)
  - Reply LS to RAN3 in GP-121165
- SGSN / BSS overload control
  - 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
    - Handling on the A interface to be considered as well

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Other

- MS RAC limitations
  - 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

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Study SIMTC

- No input at this meeting
- Completed?

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Study GERAN EMDA (1/2)

- GP-121100 TR 43.802 endorsed as a baseline
- GP-120971 Workplan: noted

- No exception sheet requested – the work is expected to be moved to Rel-12

- Simulation Assumptions
  - GERAN#54: Need for a common set of simulation assumptions that allows comparison between different proposals. This does not preclude companies bringing in additional simulations based on different assumptions, but at minimum the common assumptions must be used
  - Further discussions on traffic models in GP-120968, GP-120982, GP-120983
    - Outcome documented in GP-121100
  - Simulation assumptions now finalized

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Study GERAN EMDA (2/2)

- Hybrid Packet Channel
  - Further evaluations provided in GP-120949
- Time-based USF sharing
  - Further evaluation provided in GP-120969
  - GERAN#54: Increase of PDCH throughput displayed. A number of questions raised (legacy users impact, TBF throughput, MS battery consumption, simulation
  - GERAN#55: misc. questions on simulator stability (length of simulations) though not expected to affect the results, MSC class used (1DL+1UL) and blocking figures shown
- Ideal USF extension evaluation – GP-120981
  - Misc. clarifications on the assumptions used and results shown
- Improved RR usage for EMDA
  - Proposal in GP-120984 to keep an MS in packet idle mode in non-DRX mode on a PDCH for some time rather than CCCH
    - Misc. clarifications on the assumptions used and on uplink “EPRACH” allocations
- Optimized system access procedure
  - No input at this meeting

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Other work

- Downlink Multicarrier
  - Discussion in GP-120932, GP-120931
  - Proposed Feature + BB WID (MS Tests) in GP-121158, GP-120930
    - Feature WID endorsed by GERAN2
- DL 2x2 MIMO for EGPRS
  - GP-121019 discussed
  - Study item proposal expected at plenary
- GP-120976 Energy-efficient AGCH monitoring
  - Misc. concerns expressed

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Outgoing LSs

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Outgoing LSs

- Source GERAN2:
  - GP-121163 LS to SA2 cc CT1, RAN2, RAN3 Capability Indicator for SRVCC from UTRAN/GERAN to E-UTRAN/HSPA
  - GP-121164 LS to SA2 cc RAN2, RAN3 on Contents of Handover Required message for rSRVCC
  - GP-121171 LS to SA2, RAN2 cc RAN3 on handling of UE E-UTRA Capability
  - GP-121165 LS to RAN3 on Coding of Global eNB ID
  - GP-121170 LS to SA3, CT1 cc SA2, RAN2, RAN3 on PWS Key Distribution
  - GP-121166 LS to RAN2 cc RAN5 on LS on EUTRA message in PS HANDOVER COMMAND
  - GP-121168 LS to SA2 cc CT1, CT4, RAN3 on Indication of Selected PLMN ID on A/Gb interfaces

- Source GERAN:
  - GP-121167 LS to CT, CT4 cc CT1, SA2 on CN Stage 3 for FULL MOCN
  - GP-121173 LS to SA2, CT1, RAN2, RAN3, RAN, SA on Notification of IMS Information for CS to PS SRVCC
    - One company objected
  - GP-121172 LS to RAN cc RAN3 on Energy Saving Solution in inter RAT case
  - GP-121162 LS to SA2, CT4 on SIRIG

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Next meetings

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Next meetings

- GERAN2#56 20 – 22 November 2012, Prague, Czech Republic

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