

3GPP TSG GERAN2#59

Chairlady Summary (GP-130847)



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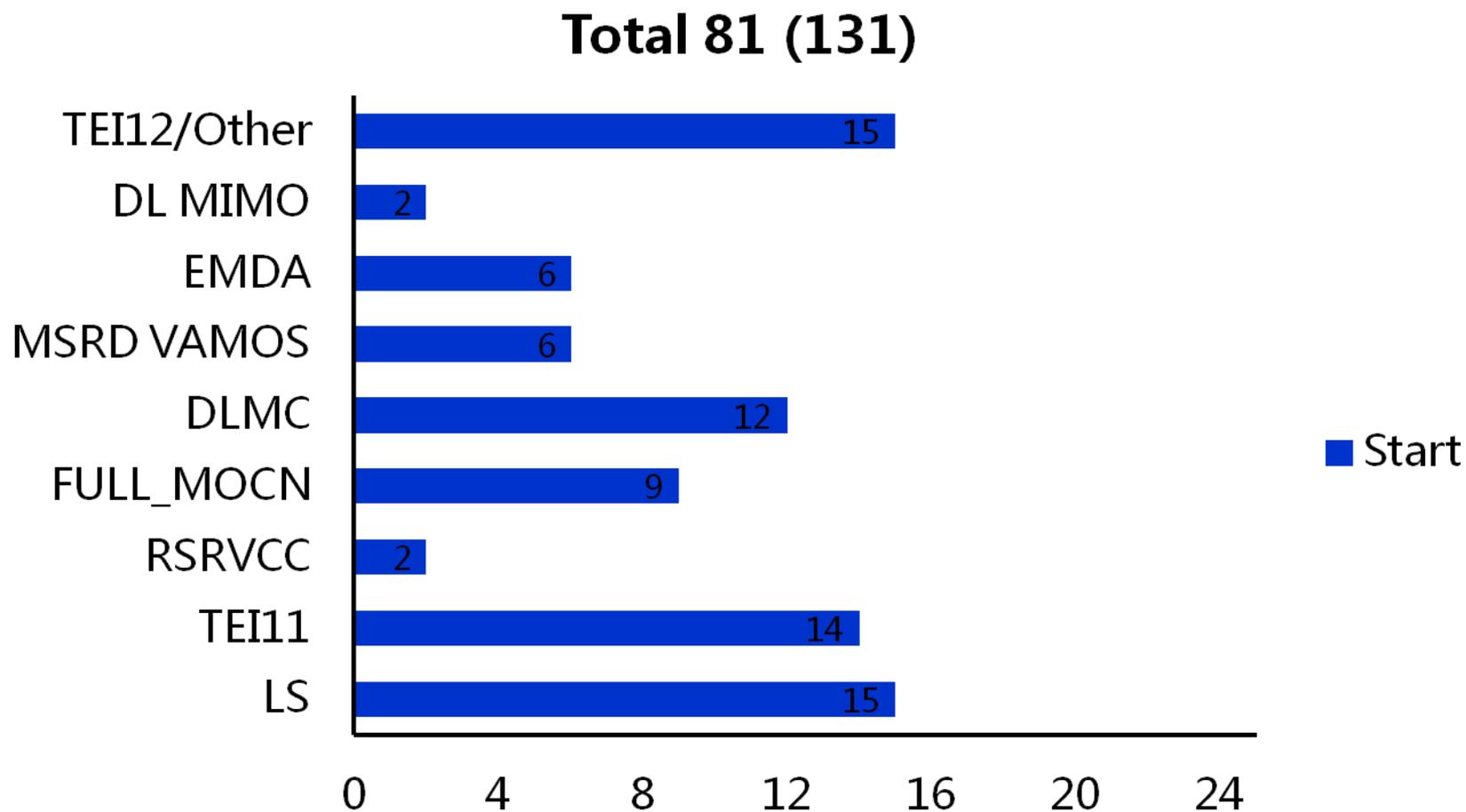
Chairlady: Yang ZHAO

Secretary: Gert THOMASEN (MCC report in GP-130845)

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Incoming Contributions



Schedule

	Monday	Tuesday	Wednesday	Thursday	Friday
9:00		LSs	DLMC	Revisions	
		RSRVCC			
10:30		Coffee Break	Coffee Break	Coffee Break	
11:00					
		FULL_MOCN	DLMC	Revisions	
12:30		Lunch	Lunch	Lunch	
14:00					
		TEI11	EMDA	Revisions	
15:30		Coffee Break	Coffee Break	Coffee Break	
16:00					
		TEI12 /OTHER	MSRD VAMOS /DL MIMO	Revisions	
19:00					

Rel-11

FULL_MOCN

- Support of mobility to other RATs
 - [GP-130809](#) CR 44.060 **agreed**: misc clarifications on inter-RAT mobility
- 3G Neighbor Cells reporting
 - [GP-130703](#) addressed the issue that SI23 does not provide 3G Neighbor cell info and thus no measurement reporting can be sent
 - G2 agreement: The UTRAN information provided in the SI23 message cannot be used for measurement reporting
 - Further clarification is required on how to build up 3G NCL in network sharing case
 - [GP-130827](#) CR 44.018, [GP-130828](#) CR 44.060 **postponed**: to report 3G Neighbor cell based on the cell info sent by Measurement Information/Packet Measurement Order
- Update of 3G Cell Reselection List
 - [GP-130808](#) CR 44.018 **agreed**: to build up the 3G Cell Reselection List based on SI23 in network sharing case
- PLMN ID used in paging
 - [GP-130700](#): clarify the ambiguity of LAI included in paging message
 - [GP-130832](#) CR 48.008, [GP-130833](#) CR 48.018 **agreed**: PLMN ID can either be a common ID or selected PLMN ID
- Registered operator addressing in GWCN and Network Sharing case
 - [GP-130810](#) CR 48.018 **agreed**: to specify that a specific NRI value addresses a particular registered operator in the GWCN/network sharing case.

RSRVCC (1/2)

- **Handling of UE E-UTRA Capabilities in the CS domain**
 - **GERAN#56**
 - **Alt1:** GP-121320: propose to define a short E-UTRA Capabilities
 - Concern raised that this is up to RAN2 to define based on limitation in GERAN
 - **Alt2:** GP-121301: proposal not to send the capabilities, but instead to inform some supported E-UTRA freq/bands via source BSS to target eNB based on the measurement report in GERAN
 - Concerns raised violation of the source adapts to target principle, impact to eNB etc.
 - **Alt3:** 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
 - **GERAN#57:**
 - **Alt3a:** GP-130179: proposal to
 - Alternative 1: provision of E-UTRAN INTER RAT HANDOVER INFO to target eNB transparently through the core network – solution impacting CT1, CT4, RAN2, RAN3 and SA2 groups
 - Alternative 2: restrict rSRVCC applicability to the support of inter-RAT PS Handover to EUTRAN when the BSS can build the Source eNB to Target eNB transparent container

RSRVCC (2/2)

• Handling of UE E-UTRA Capabilities in the CS domain (cont')

■ GERAN#58

- LS from RAN2 in GP-130417. Reply in GP-130540
 - Limiting capabilities up to (and incl.) Rel-9 is acceptable by RAN2
 - Impact in GERAN on voice quality and call set-up need to be considered
- GP-130391: Update of Alt2
- GP-130400: Addresses the LS from RAN2. Investigation of the impact on call set-up delay and speech quality of sending UE E-UTRA Capabilities in GERAN (early classmark sending, classmark interrogation)
- GP-130477: similar to GP-130400. GP-130478 CR 44.018 postponed
- GERAN2 view for now:
 - Call set-up time impact can be significant when using Early Classmark Sending with UE EUTRA capabilities (ref. GP-130400, GP-130477)
 - Impact to voice quality: ref to earlier work on SMS on FACCH (1SMS scenario comparable). Keep SA4 in the loop
- Note: the same issue exists for PS Handover to E-UTRA as of Rel-8
- Reply LS in GP-130534

■ GERAN#59

- [GP-130715](#): update of GP-130179 to consider use transparent container for E-UTRA band/frequency information
- [GP-130740](#): update of GP-130400 to investigate UE E-UTRA Capabilities by early Classmark Sending
- G2 agreement: SA2 is in charge of the discussion
 - Inputs are encouraged from companies to reach consensus before next SA2 (more offline discussion with SA2))

TEI11 (1/2)

- MOCN related
 - Additional cause code for redirection in MOCN
 - LS sent from CT1 in [GP-130633](#): change starts since Rel-11
 - Concerns raised on backward compatibility for Rel-10 BSC supporting MOCN
 - Only cause #17 is relevant to GERAN
 - [GP-130695](#), [GP-130696](#), [GP-130734](#), [GP-130735](#), [GP-130829](#), [GP-130830](#) CRs on 48.008/48.018 postponed: more time is needed to check backward compatibility
 - LS sent back to CT1/RAN3 in [GP-130801](#) to highlight the backward compatibility issue
 - Misc
 - [GP-130697](#) CR 48.018 postponed: Clarification on PS/CS coordination for MOCN
 - [GP-130732](#) CR on 48.018 [agreed](#): Correction of reference table for GGSN/P-GW location.
- Former PLMN ID indication for CSFB
 - Alt1 ([GP-130706](#)): proposal to include former PLMN ID when call is released (in Clear Command message)
 - Alt2 ([GP-130728](#)): proposal to include former PLMN ID during the ongoing call
 - G2 agreement: early awareness of former PLMN ID by BSS allows early measurements from MS to have more reliable redirection after call is released
 - [GP-130812](#) CR on 48.008 [agreed](#): to include former PLMN ID in Common ID message and old BSS to new BSS information
 - LS sent back to SA2 in [GP-130839](#)

TEI11 (2/2)

- E-UTRA Wideband RSRQ measurement
 - GERAN#56: no contribution other than a LS from RAN4 in GP-121352
 - GERAN#57: LS from RAN2 in GP-130087; Reply in GP-130226
 - GERAN#58
 - Reply LS from RAN4 in GP-130419
 - Some possible way forward discussed offline, but no conclusion could be reached.
 - GP-130388, GP-130389, GP-130390, CRs 44.018, 44.060, Draft CR 24.008 postponed / noted
 - GERAN#59
 - Alt1: to have explicit request of wideband RSRQ measurement in SI
 - Alt2: to re-use existing bandwidth parameter to request wideband RSRQ measurement
 - G2 agreement: to re-use existing signaling as much as possible
 - [GP-130823](#) CR 44.018, [GP-130824](#) CR 44.060 **agreed**: *Measurement Bandwidth* is modified to require MS to measure over the indicated number of resource blocks for the given E-UTRA frequency.
 - [GP-130836](#) Draft CR 24.008 **endorsed**: the E-UTRAN wideband RSRQ measurement capability is indicated to the network (LS to CT1 in [GP-130843](#))
 - LS sent back to RAN4/RAN2 in [GP-130835](#)

Rel-12

DLMC

- DLMC working assumption in [GP-130875](#) [plenary]
 - WA1, 17, 48, 49, 50, 64, 69, 70 agreed by G2 (WA55 merged into WA1)
 - WA73, 74, 75 are OPEN, pending on WG1 conclusion
- Solutions discussion
 - [GP-130741](#) proposal on Single Carrier Reception in DLMC
 - First WA is agreed and merged to WA1 and WA71 in GP-130875
 - [GP-130660](#) proposal Flexible resource assignment
 - Agreed as WA69
 - [GP-130653](#) PDAN Message Design for DLMC
 - agreed as WA17 and WA76
 - [GP-130662](#) Extended TFI Addressing space
 - One company questioned the requirement of TFI extension
 - Whether/How to extend TFI is FFS
 - [GP-130661](#) RLC protocol extension: more work is needed
- Corresponding CRs postponed
 - Principle is agreed in [GP-130821](#), [GP-130720](#), [GP-130854](#)
 - GP-130820 pending on further WA discussion

MSRD VAMOS

- [GP-130672](#) Minutes of MSRD for VAMOS Telco#1 **noted**
- [GP-130683](#) Work Plan **noted**
- Proposed Working Assumptions in [GP-130861](#)
 - GERAN#58: If WA2 (first part) is endorsed in GERAN1 i.e. that a VAMOS III MS shall support VAMOS II performance requirements then WA11 ought to be such that the new VAMOS support indication ('11') is that the MS supports both VAMOS III and VAMOS II
 - GERAN#59: WA1 and WA11 agreed by G2
 - WA1: MS that supports VAMOS III specific performance requirements and indicates such capability to the network is defined as VAMOS III MS
 - WA11: MS shall indicate 'VAMOS III support' using the previously unused code point '1 1' in the existing 2-bit 'VAMOS Level' field of the Classmark 3 information element.
 - [GP-130675](#) Draft CR 24.008 postponed: agree to indicate VAMOS III Capability (to be agreed with other CRs as a full set)
 - [GP-130822](#) CR 44.018 postponed: Agree to extend a number of codepoints from VAMOS II to VAMOS III (To be agreed with other CRs as a full set)

Downlink MIMO

- [GP-130684](#) Meeting Minutes of DL MIMO telco#1 **noted**
- Work plan in [GP-130688](#) noted
 - update of GP-130513
 - Teleconference in 17 October to address
 - Segmentation/re-assembly to be reflected under RLC/MAC section
 - RLC and MAC aspects to be distinguished from each other
 - Contributions are encouraged for the above two aspects

EMDA (1/2)

- GP-130710 Minutes of GERANEMDA Telco#5 noted
- GP-130711 Work Plan noted
 - Teleconference is scheduled on 15 October
- New traffic model discussion
 - GERAN#58
 - GP-130386 update of QQ chat trace statistics: Some concerns expressed by one company on the previous conclusion (above) reached on EMDA and the evaluations made (questioning the traffic model agreed at GERAN#55, documented in GP- 121100)
 - GERAN2 open to adding new traffic models/refining simulation assumptions if necessary and Operators invited once again to contribute additional scenarios
 - GERAN#59
 - GP-130709 noted: propose to focus on existing traffic model
 - GP-130723 noted: propose to have additional traffic model
 - G2 agreement:
 - Solutions shall be evaluated based on the existing traffic model defined in the TR
 - New traffic model can be considered if necessary but this is out of EMDA scope
 - Proposal on TBF blocking rate used for solution evaluation is FFS

EMDA (2/2)

- Implicit TBF release
 - GERAN#58
 - GP-130385 proposal for “implicit TBF release”
 - Misc. questions on what the problem is to solve, and on the proposal itself
 - Evaluation pending
 - GERAN#59
 - GP-130724 proposal for “implicit TBF release”
 - Misc concerns:
 - More evaluation is needed based on the metrics defined in the TR
 - Feedback from G1 is needed on FBCH
 - Impact on legacy mobiles
- A multi-address message
 - GP-130746 proposal for a new ePUAN message to address multiple MSs to reduce the signaling
 - Misc concerns:
 - More evidence is needed to convince the requirements
 - More investigation is needed for the gains

RIM signaling between LTE and eHRPD

- LS sent from RAN3 in GP-130743
 - RIM procedure requires modification to support LTE-HRPD SON
- GP-130817 A new Building Block agreed
 - GP-130834 CR 48.018 **conditionally agreed**: RIM procedure to support SON for LTE-HRPD
 - no more work is expected
 - LS in GP-130842 back to RAN3

TEI12/Other

- Modified transmission of SI5 on SACCH in ciphered mode
 - [GP-130694](#) CR 44.018 postponed: should be first seen in SA3
- Optimized Matching Procedure
 - [GP-130721](#), [GP-130707](#) noted
 - Misc concerns raised: more evaluation required (impact on SI23 which is already used for network sharing case, impact on legacy mobiles etc.)
 - [GP-130722](#) CR 44.018 postponed
- Long paging cycle for MTC: [GP-130730](#) **withdrawn**
- Syntactic rules in comments in the MS RAC IE
 - LS sent from CT1 in [GP-130636](#)
 - Draft CR [GP-130815](#) 24.008 **Endorsed**
 - LS to CT1 in [GP-130841](#)
- Removal of Iu mode
 - LS sent from CT1 in [GP-130634](#): remove Iu mode support indication since Rel-12
 - [GP-130654](#) discussion on Iu mode removal **noted**:
 - G2 decision: continue not to maintain GERAN affected specifications and acknowledge change from CT1 on 24.008
 - [GP-130837](#) Draft CR 24.008 **Endorsed**, LS to CT1 in [GP-130840](#)

MFBI

■ GERAN#57

- LS from RAN2 in GP-130088
- Discussion in GP-130151, GP-130206. Proposals to
- Either no MFBI indication in system information; and possibly
 - ->MS supporting a given band, to support EARFCNs of applicable overlapping bands
 - ->MFBI indication in Measurement Info / Packet Measurement Order and/or Band support in CM3/MS RAC
- Or MFBI indication in system information
- More time needed. Decision expected at GERAN#58

■ GERAN#58

- Resubmission of GP-130206 (GP-130431)
- Late proposal in GP-130392 to allow MFBI support for idle mode and connected mode while highlighting a number of potential issues
- More time needed

■ GERAN#59

- [GP-130569](#) : Resubmission of GP-130206
- [GP-130392](#): Resubmission of GP-130717
- Working assumption made as:
 - no MFBI indication in system information and relies on UE-centric approach for idle mode mobility
 - further investigation of MFBI indication for connected mode
 - final decision is expected to be made at GERAN#60

EARFCN Extension

■ GERAN#57

- LS from RAN2 in GP-130086
- Discussion in GP-130206: no extension of EARFCN address space; Use of locally unused UL EARFCNs in GERAN to accommodate new carriers
- More time needed. Decision expected at GERAN#58

■ GERAN#58

- Resubmission of GP-130206 (GP-130431)
 - Support expressed by one company: re-use of FDD UL EARFCNs
- Late proposal in GP-130501 to expand the EARFCN space
- CRs 44.018, 44.060 in GP-130432 – GP-130437 postponed (ref. GP-130431)

■ GERAN#59

- [GP-130206](#) : Resubmission of GP-130569
- GP-130744 : Resubmission of GP-130716
 - Alt1: Local mapping of EARFCN values in the extended range (> 65535) to 16-bit encoded EARFCN code points in GERAN
 - Alt2: Non-backwards compatible extensions to add (17/)18-bit EARFCNs
 - Alt3: Transition via an E-UTRA layer.
- GERAN2 decided for now not to extend the EARFCN coding beyond 16 bits until strictly necessary.
- LS sent to RAN2/RAN4 in [GP-130844](#)

Uplink Virtual MIMO

- [GP-13781](#) : proposal on a potential data capacity improvement by means of common USFs and orthogonal training sequences **noted**
 - Might be beneficial to support a large number of MTC devices with small data transmission, more evidence needed to convince the requirement
 - More investigation needed on the gains
- [GP-130783](#) : Draft WID on Multiplexing Radio Blocks in the Uplink **noted**
 - More work needed

Outgoing LSs

- Source GERAN2
 - [GP-130801](#) LS to CT1/RAN3 on Additional cause causes triggering redirection
 - [GP-130839](#) LS to SA2 on Indication of the “former LTE PLMN”
 - [GP-130841](#) LS to CT1 on Syntactic rules in comments in the MS RAC IE
 - [GP-100844](#) LS to RAN2/RAN4 on EARFCN extension
 - [GP-130843](#) LS to CT1 on Capability Indicator for MS Wideband RSRQ Measurements
- Source GERAN
 - [GP-130840](#) LS to CT1 on GERAN Iu mode
 - [GP-130842](#) LS to RAN3 on impact on RIM from LTE-HRPD SON

Next meetings

- GERAN2#60 19 – 21 November 2013, Zhuhai, PRC
- GERAN2#61 25 - 27 February 2014, Sophia Antipolis, FR

Farewell, Paul, David and Guillaume!

We all remember those 😊 memories we spent together!



**Good Luck~~~ and Keep in Touch!
Wish you all the best!**



Also Happy Birthday, Guillaume!



Thank you

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