



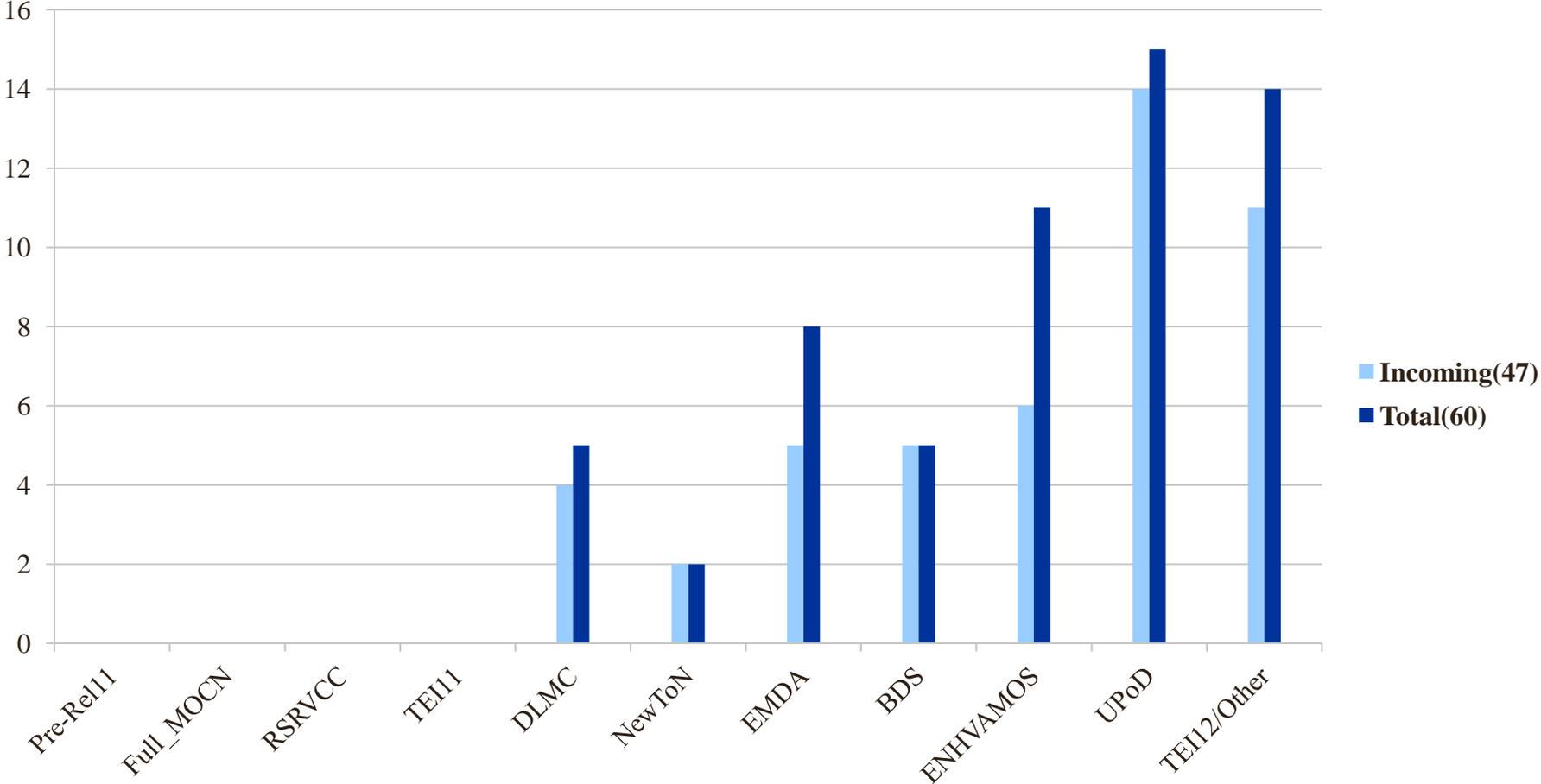
3GPP TSG GERAN WG2#62

Chairman's Summary (GP-140412)

Chairman: **Yang ZHAO (Huawei Technologies)**

Secretary: **Gert THOMASEN (MCC report in GP-140413)**

Incoming Contributions



Schedule

	Monday	Tuesday	Wednesday	Thursday	Friday
9:00		LSs	UPoD	Revisions	
		BDS			
10:30		Coffee Break	Coffee Break	Coffee Break	
11:00					
		DLMC	UPoD	Revisions	
12:30		Lunch	Lunch	Lunch	
14:00					
		TEI12/Other	NewToN		
15:30		Coffee Break	Coffee Break		
16:00					
		EMDA	ENHVAMOS		
18:00					

Contents



Pre-Rel11 Corrections



Rel-11 Work



Rel-12 Work

7.2.5.1 Pre-Rel11 corrections

➤ on provisioning of E-UTRA capabilities in GERAN

- Reply LS in [0367](#) from RAN2 and [0295](#) from CT1 indicate no backward compatibility issue is foreseen
- No further action needed in WG2

➤ Corrections on unnecessary HO report

- LS from RAN3 in [0294](#) that the detection of unnecessary HO from E-UTRAN to GERAN is incomplete since the source ECGI and TAI required in the HO Report and RIM Routing Information are not currently available.
- WG2 acknowledges the need to modify the Source to Target Transparent Container(s) to convey the ECGI and TAI of the source E-UTRAN cell. CRs are expected since Rel-10 at next GERAN meetings.

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Pre-Rel11 Corrections.....



Rel-11 Work (none).....



Rel-12 Work.....

Contents



Pre-Rel11 Corrections



Rel-11 Work



Rel-12 Work

7.2.5.3.1 Downlink Multicarrier

- **DLMC working assumption update in 0402 (sent to plenary)**
 - WA on use of CS-3 for PDAN message: WA78 agreed by WG2
- **Solutions discussion**
 - 0380 CR on 44.060, 0381 CR on 44.004 **agreed**: to introduce Downlink multicarrier feature.
 - 0349 Draft CR on 24.008 **endorsed**: to introduce the DLMC capability for MS, corresponding LS in 0403 sent to CT1

7.2.5.3.3 New Training Sequence

➤ Introduction of extended TSC sets

- [0382](#) CR on [44.018](#), [0383](#) CR on [44.060](#) postponed: proposes to introduce new TSC sets in signaling
 - Pending on WG1 discussion
 - clarification needed on assignment procedures and message coding

7.2.5.3.4 Support of BDS

➤ Discussion on introduction of BDS

- 0302 Draft CR on **45.005** noted: derived from RAN4 and is seen to be decided in WG1
- 0304 for **44.031**, 0305 for **44.071**, 0306 for **48.031**, 0307 for **49.031** postponed:
 - In principle accepted by WG2
 - Pending on Stage 2 CR on **45.005**

7.2.5.3.5 EMDA

- Meeting Minutes of GERANEMDA Telco#7 in **0378 noted**
- Work Plan in **0379 noted**
- Analysis on Implicit TBF release
 - **0376 noted**: limited gains achieved by using implicit TBF release
 - **0401 noted**: the gains for the solution is sufficient to enhance PDCH efficiency
 - G2 agreement: implicit TBF release solution is adopted into the TR and no impact is foreseen on PHY layer. WG2 concludes the completion of the study.
 - **0410** update of the TR as V1.0.0 to reflect the above agreement: **agreed** by WG2 and sent to plenary for information
- Analysis on FBCH
 - **0377 noted**: agree to exclude FBCH from EMDA

7.2.5.3.6 VAMOS Enhancements

- Meeting Minutes of ENHVAMOS telco #6 in **0310 noted**
- Work Plan in **0309 noted**
- TR v1.0.1 in **0308 noted**
- Updated System Performance Evaluation for Coordinated Channel Allocation:
 - **0311** (update of 0116): update of the simulation results
 - **0396** PCR to include the updated simulation results into the TR
 - WG2 agree to the result of signaling load analysis
- **Conclusion proposal of the study**
 - **0397** conclusion on the TR: WG2 agree with the conclusion of the impact on different nodes and signaling load

7.2.5.3.9 Power Saving for MTC Devices(1/2)

- Meeting Minutes of uPoD Telco#1 in **0373 noted**
- Work Plan in **0372 noted**
 - Telco#2: 9:00-11:00 CEST time, June 26
- TR Skeleton in **0371 noted**
- Discussion
 - Use case and Traffic model
 - Various proposals in **0290, 0325, 0364, 0374, 0375**
 - G2 agreement:
 - Use case: to include network-triggered and mobile autonomous reporting as basic use cases
 - traffic model: some attributes have been preliminarily included. More investigation needed.
 - Solution need to fulfill the performance requirements from software upgrade and alarming, the specific performance requirements are FFS.

7.2.5.3.9 Power Saving for MTC Devices(2/2)

➤ Discussion (Cont')

➤ Evaluation way on power consumption

- Various proposals in [0324](#), [0291](#), [0361](#), [0362](#)
 - More discussion needed

➤ Solution

- [0326 noted](#): propose to only trigger measurements for neighbor cells based on certain events
 - [0363 noted](#): propose to introduce short synchronization procedures
 - More evaluation needed
- TR updated in [0414](#) as the baseline for future discussion

7.2.5.3.10 TEI12

- **Use of the same GID for VGCS and VBS in the same Group Call Area**
 - 0289 CR on 48.008 **agreed**: to align with RT meeting's latest updates: allow overlapping group call references if they are associated with different service type. LS in 0409 is sent to CT1 to align Stage 2 specs with this change.

- **Accelerated System Access Procedure**
 - 0365 Discussion **noted**: propose to use Normal Burst to include TLLI in random access procedures
 - Concerns raised on gains, impact on legacy mobiles etc.
 - More evaluations required

- **EARFCN extension in GERAN**
 - LS in 0298 from RAN4 confirms the feasibility of ALT1/ALT2 and asks GERAN to make the final decision
 - ALT1: local mapping of EARFCN values in the extended range (> 65535) to 16-bit encoded EARFCN code points
 - ALT2: Extending the EARFCN numbering space beyond 16 bits
 - 0293 **noted**: proposal to use ALT1 for less impact on terminals
 - More discussion needed and decision is expected at next meeting

7.2.5.3.11 Other (1/2)

➤ Uplink Stack Reduction

➤ GERAN#61

- **0159 noted:** discussion on the Uplink Stack Reduction that allows for eliminating the repeated inclusion of UDP/IP protocol overhead.
 - Should start from other groups as this is seen as the SGSN-oriented solution, e.g. SA2, CT1
 - If the solution is considered as BSS-oriented, ciphering should be moved down to BSS which requires SA2/SA3 involvement
 - Usage is limited to UDP only

➤ GERAN#62

- **0384 noted:** further propose the way for ward on the above solution, i.e. to send an LS to SA2 to review the USR concept as a candidate feature.
- G2 agreed to not sending the LS for the time being and will re-open this discussion depending on the progress on Cellular IoT and UPoD

7.2.5.3.11 Other (2/2)

➤ Cellular IoT

➤ Potential solution discussion

- Narrow band solution
 - [0322 noted](#): proposal on narrow band solution to support Cellular IoT
 - [0323 noted](#): preliminary evaluation on narrow band solution proposal
- Simple GSM evolution
 - [0297 noted](#): proposal on smooth optimization over GSM to support Cellular IoT
- Concerns raised on the gains and impact on control channels for both options
- G2 agreement:
 - Both options are worth studying and the new study should include both
 - Architecture should select one of the existing RAN-CN interfaces and may identify potential optimizations on existing interfaces and associated protocol stacks.

➤ New study proposal

- [0296 noted](#): proposal on new study including only GSM evolution – merge into [0411](#)
- [0411 \(sent to plenary\)](#): proposal on new study including both options – in principle agreed by WG2

Outgoing LSs

➤ Source GERAN2

- GP-140403 LS to CT1 on Introduction of Downlink Multi-Carrier (DLMC)
- GP-140409 LS to CT1 on use of the same GID for VGCS and VBS in the same Group Call Area

Next Meetings

- GERAN2#63 26 - 28 Aug 2014, Ljubljana, SI
- GERAN2#64 18 - 20 Nov 2014, San Francisco, US



Thank You