



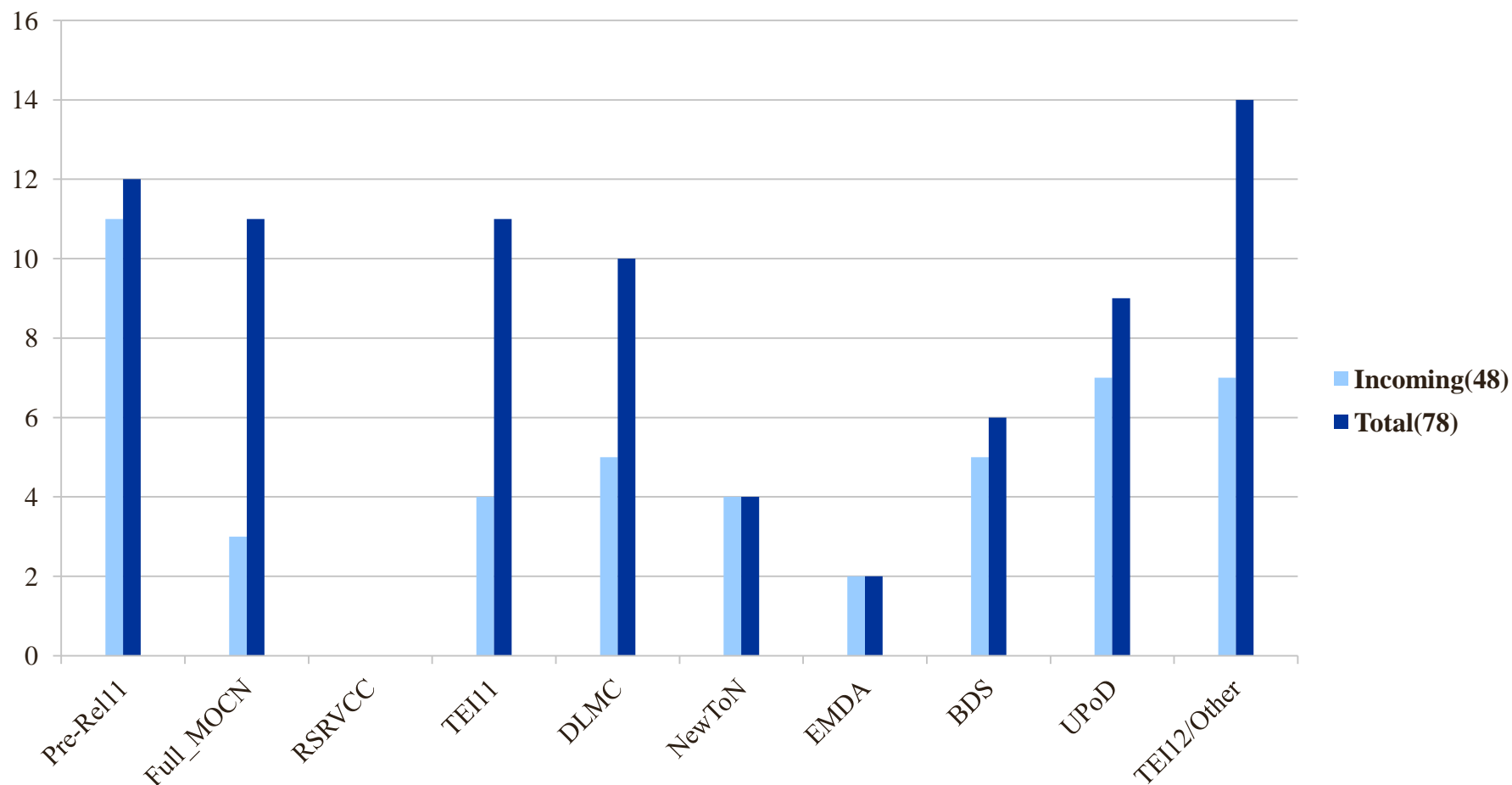
3GPP TSG GERAN WG2#61

Chairman's Summary (GP-140238)

Chairman: Yang ZHAO (Huawei Technologies)

Secretary: Gert THOMASEN (MCC report in GP-140239)

Incoming Contributions



Schedule

	Monday	Tuesday	Wednesday	Thursday	Friday
9:00		LSs	DLMC	Revisions	
		Pre-Rel11			
10:30		Coffee Break	Coffee Break	Coffee Break	
11:00					
		FULL_MOCN	NewToN	Revisions	
		TEI11	EMDA		
12:30		Lunch	Lunch	Lunch	
14:00					
		BDS	UPoD		
15:30		Coffee Break	Coffee Break		
16:00					
		TEI12/Other	Revisions		
18:00					

Contents



Pre-Rel11 Corrections



Rel-11 Work



Rel-12 Work

7.2.5.1 Pre Rel-11

➤ Correction to Galileo Assistance Data Elements

- Related LS in 0954 received in G2#60: RAN2 asks for correcting Galileo assistance data elements in the affected GERAN2 specifications
- 0164, 0165, 0166, 0167, 0168 CRs on 44.031 agreed since Rel-7 and onwards: to add a note indicating that the Galileo capable Releases before Rel-12 shall not be used.
- 0203 CR on 44.031 agreed for Rel-12: to correct the Galileo assistance data elements according to the latest version of the ICD V1.1.

➤ Correction to PS Handover Complete procedure

- 0180, 0181, 0182, 0183, 0184 CRs on 48.018 agreed since Rel-8: unjustified text removal is re-inserted and the container name is corrected to *Source BSS to Target BSS Transparent Container* IE.

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Pre-Rel11 Corrections.....●



Rel-11 Work.....●



Rel-12 Work.....●

7.2.5.2.1 FULL_MOCN

➤ 3G Neighbor Cells reporting

➤ GERAN#60:

- 1011: update of 0703
- G2 agreement: to change the normative text in order to clearly reflect the requirements on how to construct 3G Neighbor Cell List in FULL_MOCN case
- 1090, 1092 CRs on **44.018** and 1093 CR on **44.060** postponed: pending on companies review
- 1094 Draft CR on **45.008** for information noted: corresponding change on SI23_3G_BA_IND/ SI23_3G_BA_IND_USED, pending on companies review

➤ GERAN#61:

- **0229**, **0205** CRs on **44.018** and **0233** CR on **44.060** **agreed**: clarification on how to build up 3G Neighbor Cell List in FULL_MOCN case

7.2.5.2.3 TEI11

➤ GANSS related corrections

➤ Clarification to GANSS Day

- 0207 CR on 44.031 agreed on Rel-12: to clarify the definition of GANSS Day and add the reference for GNSS system time origin following the discussion in RAN2.

➤ Correction to integer code phase field description in GANSS Reference Measurement Information

- 0218 CR on 44.031 agreed on Rel-12: to correct the field description of the Integer Code Phase field in GANSS Reference Measurement Information IE following the discussion in RAN2.

➤ Correction to code phase encoding in GANSS Reference Measurements

- 0219 CR on 44.031 agreed on Rel-12: to introduce a new flag into the GANSS Reference Measurements element for indicating the code phase extension.

➤ Correction to GNSS Acquisition Assistance Data

- 0220 CR on 44.031 agreed on Rel-12: to extend the value range for the Doppler Uncertainty value and add one code-point for “No Information” to the Doppler Uncertainty. The confidence level of the used reference location is also included.

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Pre-Rel11 Corrections



Rel-11 Work



Rel-12 Work

7.2.5.3.1 Downlink Multicarrier

- **DLMC working assumption update in 0215 (sent to plenary)**
 - WA on use of CS-3 for PDAN message: WA78 pending on WG1 discussion
- **Solutions discussion**
 - 0188 Proposal on use of CS-3 for PDAN message
 - Feasible from protocol stack perspective
 - Sent to WG1: Whether CS-3 is robust enough to be used for PDAN is seen within WG1 scope
 - 0230 CR on 44.060, 0156 CR on 44.004 postponed: to introduce Downlink multicarrier feature. Pending on WG1's decision.
 - 0217 Draft CR on 24.008 endorsed: to introduce the DLMC capability for MS, corresponding LS in 0224 noted and will be sent to CT1 until other CRs get agreed

7.2.5.3.3 New Training Sequence

➤ DISC on USF and PAN multiplexing

- 0141 discussion noted: proposal to allow NewToN to be assigned as a second TSC (DL TBF) to the MS.
 - Benefits are seen in G2 to avoid resource segregation
 - Pending on WG1's investigation on MS impact for supporting blind detection

➤ Introduction of extended TSC sets

- 0157 Draft CR on 44.018, 0158 Draft CR on 44.060 noted: proposes to introduce new TSC sets in signaling, more investigation needed
- 0148 draft CR on 24.008 noted : pending on the status of the above CRs

7.2.5.3.4 Support of BDS

➤ Work Item updated

- Update WID in 0058: affected specifications should also include in 51.010-2 and 51.010-7
 - Updated WID in 0211 Sent to Plenary for discussion

➤ Discussion on introduction of BDS

- Draft CRs in 0060 for 44.031, 0061 for 44.071, 0062 for 48.031, 0063 for 49.031 noted:
 - CRs are expected to be agreed simultaneously as a full set
 - Companies are encouraged to review the above CRs before next meeting

7.2.5.3.5 EMDA

➤ Work Plan in 0178 noted

- Telco is scheduled on 11 April:
 - Companies are encouraged to bring PCR's on EMDA
 - agenda includes *PDCH performance evaluation* and *Enhancements proposal*

➤ Analysis of signalling efficiency for IM

- 0177 Discussion noted: big ratio of control messages has negative impact on PDCH efficiency
 - G2 agreement: further study should focus on reduction of control messages used to establish and release the TBF

7.2.5.3.9 Power Saving for MTC Devices(1/3)

➤ Work Plan in 0057 noted

- Telco#1 is scheduled on 9 April

➤ TR Skeleton in 0056 noted

➤ Discussion

➤ Traffic model

- 0055 noted: propose to consider the traffic models already used today on reporting, alarm, feedback and retransmission, and software updates.
 - More clarification needed on the traffic model
 - More use cases analysis is encouraged

➤ Solutions:

- 0067 noted: propose to consider a subset of solutions and use cases into the study based on the SA2 status
 - Premature to include candidate solutions into the TR as the use cases are not clear and gains for candidate solutions require further evaluation

7.2.5.3.9 Power Saving for MTC Devices(2/3)

➤ Discussion

➤ Solutions(Cont'):

- **0173 noted:** propose to use common power consumption evaluation and optimize idle mode tasks
 - Agree to have common evaluation assumptions
 - Attach/detach procedures should be considered
- **0193 noted:** propose to have long DRX and short synchronization procedure, as well as optimize idle tasks.
 - Two independent approaches: optimized idle mode tasks and long DRX
 - Impact on legacy mechanism, e.g. cell reselection algorithm
 - More investigation on gains

7.2.5.3.9 Power Saving for MTC Devices(3/3)

➤ Way Forward

- WA1: **agree** to define use case and traffic model at least including
 - Mobility
 - Frequency for MT/MO
 - Latency
 - Reachability in idle mode
- WA2: **agree** on power savings evaluation as
 - System parameters shall be defined for common evaluation
 - the time duration for the procedures shall be used as the metric for computing the power saving gains
 - Solutions shall provide relative performance result compared with legacy mechanism in each use case for easier comparison among solutions
- More discussion expected in the coming Telco

7.2.5.3.10 TEI12 (1/2)

➤ MFBI

➤ GERAN#60

- for connected mode:
 - WA1: the BSS will send EARFCNs based on the MFBI capability indication from MS
 - WA2 pending on WG1 discussion
 - WA3: the BSS is required to transfer the EARFCN supported by the MS to the target eNB
- for idle mode:
 - Still no MFBI indication in system information and relies on UE-centric approach
 - Clarifications on MS behavior for (measurements) reporting is needed

➤ GERAN#61

- 0186 LS from RAN2
- 0160 DISC on MFBI support in GERAN **noted**
 - Agree to send UARFCNs/EARFCNs by the BSS corresponding to the same frequency, and then the MS shall send measurement report for the UARFCN/EARFCN with highest index which is supported by itself. The BSS will send the UARFCN/EARFCN reported by the MS to the target RNC/eNB.
 - Whether the monitoring requirements for MS is sufficient is out of G2 scope-> sent to G1 for discussion.

7.2.5.3.10 TEI12 (2/2)

➤ MFBI (Cont')

➤ GERAN#61

- 0225 CR on 44.018, 0226 CR on 44.060 **agreed**: to reflect the above agreement, reply LS in 0235 is sent to RAN2
- 0236 Draft CR on 24.008 **endorsed**: to introduce MFBI capability for MS, the corresponding LS is sent to CT1 in 0237
- Whether idle mode behaviour needs further clarification is FFS

➤ Correction on Cross References for MTC TR

- 0068 CR on 43.868 **Endorsed**: to correct The erroneous cross references.

7.2.5.3.11 Other

➤ Uplink Stack Reduction

- [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

Outgoing LSs

➤ Source GERAN2

- GP-140232 Reply LS to CT1/RAN2 on provisioning of E-UTRA capabilities in GERAN
- GP-140237 LS to CT1 on Capability Indicator for MFBI support
- GP-140235 Reply LS to RAN2 on inter-RAT capability signalling for MFBI

Next Meetings

- GERAN2#62 27 - 29 May 2014 , Valencia, ES
- GERAN2#63 26 - 28 Aug 2014, Ljubljana, SI
- GERAN2#64 18 - 20 Nov 2014, San Francisco, US



Thank You