



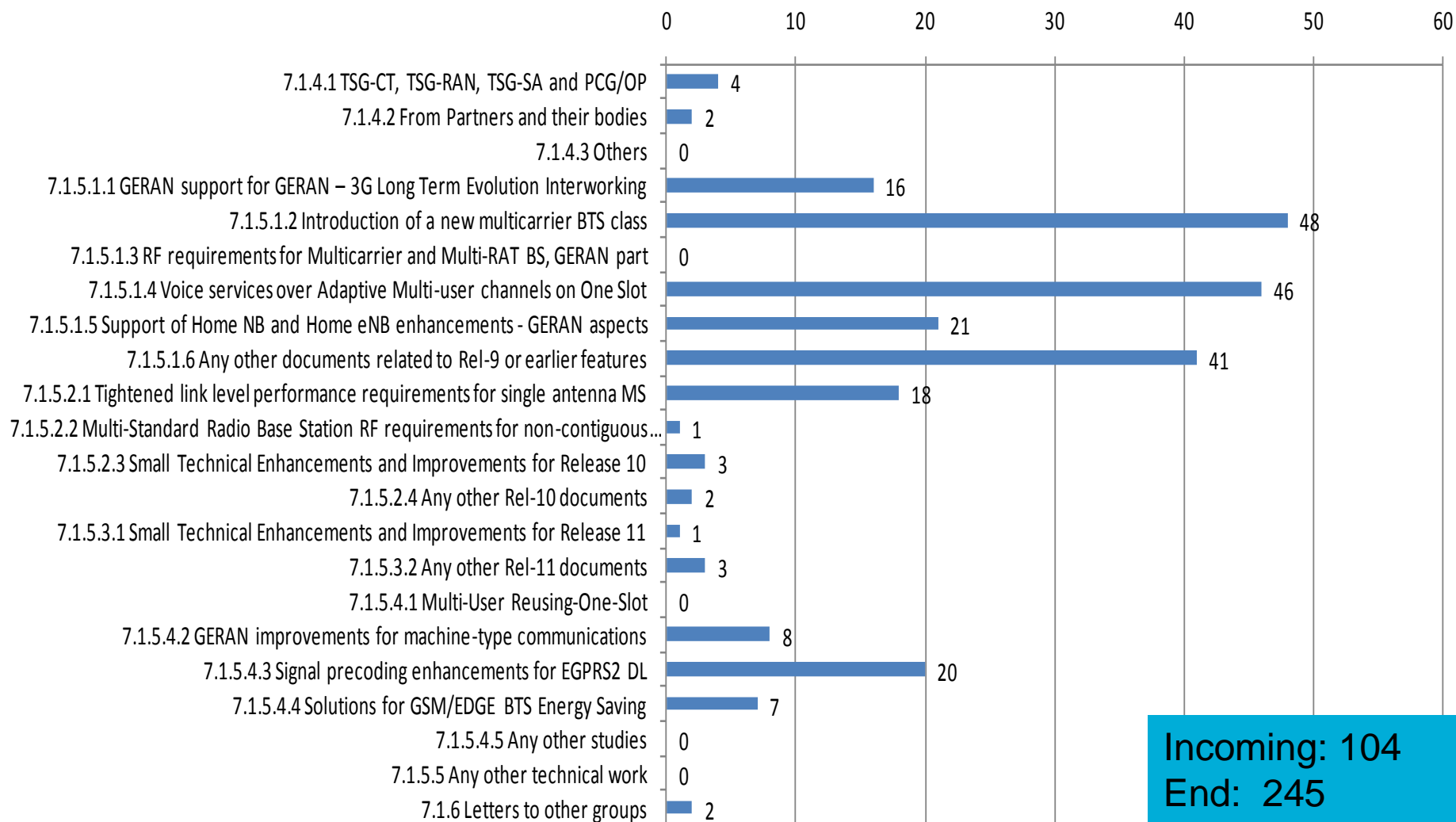
GP-110977 – Chairman's Report

3GPP TSG GERAN WG1 #50

Dallas, US, 17 – 19 May 2011

Werner Kreuzer, 2011-05-19

Document allocation



Election of GERAN WG1 Chairman

- **Werner Kreuzer (Research In Motion UK Ltd, ETSI) re-elected as TSG GERAN WG1 chairman.**

Letters from other groups

- **LS on Network Sharing (TSG SA) – noted**
- **Reply LS on Network sharing (TSG SA WG2) – noted**
- **LS on status of MSR-NC work item (TSG RAN WG4)**
 - Request to review and endorse changes to TS 37.104 and TR 37.802
- **LS on extreme temperature ranges for testing of different devices (TSG GERAN WG3)**
 - Different temperature ranges for applicability of terminal requirements in RAN and GERAN specifications.
 - Further considerations on the origin of these differences and the terminology used in 51.010-1 needed.
- **LS on update for ITU-R Recommendation M.1073-2 (ETSI TC MSG) - noted**
- **LS in referencing ER-GSM band into 3GPP GERAN and ETSI MSG Standards (ETSI TC RT) - noted**

Rel-7

- **Test of single antenna requirements with dual antenna terminals**
 - G3 requested a clarification in TS 45.005 how to test single antenna requirements for terminals with dual antennas.
 - CRs to TS 45.005 agreed reflecting the solution discussed and agreed at GERAN #38
- **Latency Reduction**
 - CRs to TS 45.005 agreed to remove brackets for MCS-0 reference performance for sensitivity and interference.
- **DARP and DLDC**
 - Allow a relaxation for mobile stations supporting of DARP Phase I in case of downlink dual carrier configurations containing a total of more than 8 timeslots.
 - CRs to TS 45.005 agreed.

Rel-8 – GERAN/E-UTRAN Interworking

- **Performance requirements for cell re-selection to CSG cells**
 - CR to TS 45.008 agreed to define cell re-selection requirements for specific radio conditions and to set these requirements as mandatory.
- **Measurement reporting threshold**
 - CRs to TS 45.008 agreed to correct the ranking formula used in the cell reporting requirements for multi-RAT MS.
- **Storage of UTRAN FDD RSCP suitability parameter**
 - Discussion on storage of suitability parameters from 3G cells and the subsequent usage of those stored parameters to evaluate other candidate cells.
 - Agreement that the suitability criteria shall be stored during priority-based reselection.
 - CRs to TS 45.008 postponed.

Rel-8 – MCBTS

- **Discussion on general receiver characteristics, AM suppression, and blocking characteristics of multicarrier BTS equipped with multicarrier receiver**
 - CRs to TS 45.005 sent to plenary.
- **Discussion on the configuration for testing multicarrier BTS equipped with multicarrier receiver**
 - CRs to TS 51.021 sent to plenary.
- **Applicability of operating band for MCBTS**
 - CRs to TS 51.021 agreed
- **Correction of references**
 - CRs to TS 51.021 agreed
- **Alignment of measurement method for RX spurious emission in test specification with core specification**
 - CRs to TS 51.021 agreed
- **Clarification of the out-of-band emission definition for MCBTS**
 - CRs to TS 45.005 agreed
- **Clarification of the terminology used for frequency offset, carrier spacing.**
 - CRs to TS 45.005 and TS 51.021 postponed.

- **EVM requirements for BTS**
 - Proposal to have more than one EVM requirement, depending on the SCPIR level, not agreed.
 - No agreement to specify the same EVM RMS requirements for VAMOS as for EGPRS2-A across the supported SCPIR range. CRs to TS 45.005 and TS 51.021 postponed.
- **Average power decrease for AQPSK**
 - CRs to TS 45.008 agreed to set the maximum average power decrease for AQPSK on the BCCH carrier to 4 dB.
- **Power vs. time mask for AQPSK**
 - CRs to TS 45.005 agreed adding the power vs time mask.

- **MS receiver performance requirements**
 - Reference performance (sensitivity and interference performance): CR to TS 45.005 sent to plenary.
 - MEAN_BEP requirements: CR to TS 45.008 agreed (values in square brackets)
 - Synchronisation when AQPSK modulated signal is received: Ensure test coverage of existing requirement.
- **BTS receiver performance requirements**
 - Reference performance (sensitivity and interference performance): CR to TS 45.005 agreed (values in square brackets)

Rel-9 – HNB, H(e)NB enhancements

- **Performance requirements for cell re-selection to CSG and hybrid cells**
 - CR to TS 45.008 agreed to define cell re-selection requirements for specific radio conditions and to set these requirements as mandatory.
- **Reporting priority between CSG cells from different RATs/modes**
 - CRs to TS 45.008 agreed to set the reporting priority between CSG cells of different RATs/modes or CSG cells from different frequencies as implementation dependent.
- **Correction to CSG reporting thresholds**
 - CRs to TS 45.008 agreed
- **Correction of missing references for measurement reporting of CG cells**
 - CRs to TS 45.008 agreed.
- **Correction to validity of stored parameters in network controlled cell re-selection**
 - CRs to TS 45.008 agreed.
- **Measurement reporting limits for CSG cells**
 - CRs to TS 45.008 agreed to specify maximum limits for the reporting of CSG cells.

Rel-9 - Miscellaneous

- **Corrections to control parameters**
 - CRs to TS 45.008 agreed.
- **Removal of mandatory support of PBCCH/GPRS re-selection mode.**
 - CRs to TS 45.008 postponed

Rel-10 – TIGHTER

- **Updated working assumptions**
 - An MS indicating support for any TIGHTER level shall meet the synchronization requirements in TS 45.010 also for a received signal that is AQPSK modulated with SCPIR = [-4 dB, ..., 4 dB].
 - Signal for interferer signals will be used as currently specified in TS 45.005 except for 8PSK modulated EGPRS MCSs (adjacent interference shall be defined at a fixed offset of +18dB), the wanted signal levels will be changed accordingly.
- **Capability indicator for TIGHTER support**
 - Draft CR to TS 24.008 for 4 levels of support endorsed.
- **Correction to equipment types in performance requirements**
 - CRs to TS 45.005 agreed
- **Discussion on combined support of VAMOS and TIGHTER**
 - Various proposals – no conclusion.

Rel-10 – MSR-NC

- **LS from R4 to endorse changes to TS 37.104 and TR 37.802**
 - Changes reviewed and endorsed (some with comments)
 - Reply LS to TSG RAN and TSG RAN WG4

Rel-10 – TEI, other

- **Correction on the definition of reported value and non-reported value in cell reporting requirements for multi-RAT MS**
 - CR to TS 45.008 agreed.
- **Alignment of inter-RAT measurement requirements with RAN specifications**
 - CR to TS 45.008 agreed
- **Realizing extended access barring**
 - CR to TS 45.002 agreed.

Rel-11 – TEI, other

- **Addition of RFPM location method**
 - More information on the method and justification for the introduction of a new location method was requested.
 - CR to TS 43.059 postponed
- **Full support of multi-operator core network by GERAN**
 - Discussion document and draft CRs to TS 43.022 and TRS 45.002 noted.

SI – MTC

- **Discussion on simulation and evaluation assumptions**
 - Agreement to prioritize ASR for non-MTC devices over access delay for MTC devices.
 - Agreement to evaluate an additional scenario:
 - TRX configuration per sector: 7
 - Arrival rate: 20/sec (5 CS/sec + 15 PS /sec)
 - No agreement to set an absolute value for a benchmark ASR
 - Offline discussion to compare simulations with and without MTC devices present.
- **Evaluation of different CCCH protection mechanisms and RACH time spreading schemes.**
- **Discussion documents on**
 - Multiplexing multiple MTC devices in a single block period.
 - Enhancements to hybrid packet channel.
- **pCR on new RACH procedures for devices configured for low priority access – noted.**

SI – SPEED

- **TR 45.860 v0.4.1**
- **Discussion documents on**
 - Complexity estimation
 - Radix sizes
 - Coding scheme identification for unified symbol rate
 - Bursts formats and their performance
 - MCS re-design
- **pCRS agreed**
 - Blind modulation detection for SBPCE2
 - PAR reduction for SBPCE2
 - Comparison of padded HOM and SBPCE2

SI – BTS Energy Saving

- **TR 45.9xx v0.0.7**
- **Discussion documents on**
 - Measurement characteristics
 - Simulation evaluation
 - Enhancement on BCCH power reduction methodology
- **Offline session, minutes in GP-110916**

Outgoing Liaison Statements, Work Plan

- **Reply LS on Update for ITU-R Recommendation M.1073-2**
- **Reply LS to “LS on Status of the MSR-NC work item”**
- **Proposal to close R99**
 - GERAN WG1 agrees to close R99.

Future meetings

Conference calls:

BTS Energy	xx June 2011
VAMOS	28 June 2011
TIGHTER	29 June 2011
SPEED	30 June 2011

GERAN1#51, 30 Aug – 1 Sep 2011, Goteborg, SE

GERAN1#52, 22 – 24 Nov 2011, Bratislava, SK

GERAN1#53, 27 Feb – 1 Mar 2012, EU