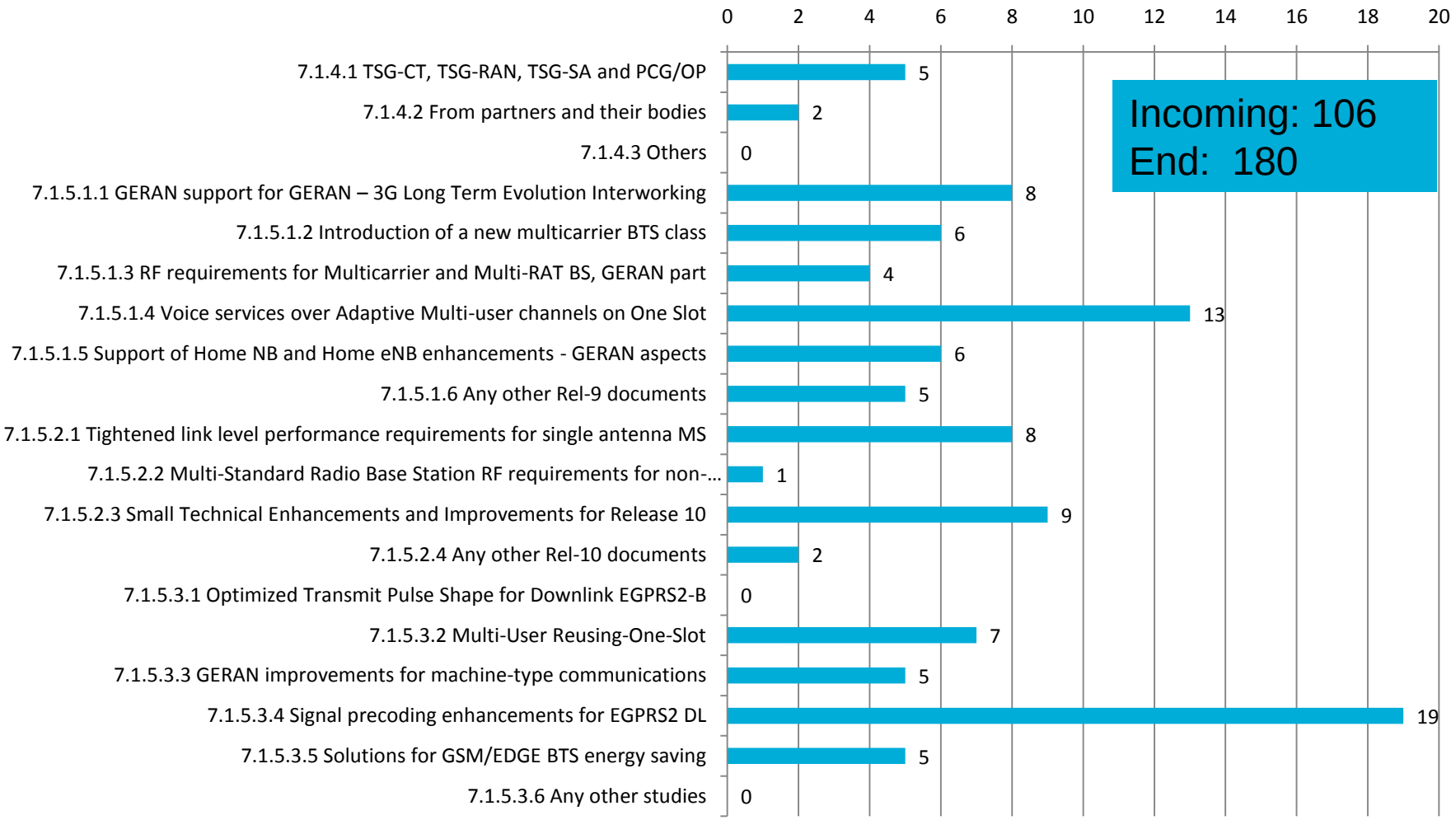
Chairman's Report

3GPP TSG GERAN WG1 #48

San José del Cabo, Mexico, 23 – 25 Nov 2010

Werner Kreuzer, 2010-11-25

Document allocation



Letters from other groups

- **TSC-CT, TSG-RAN, TSG-SA, and PCG/OP**
  - Response on Harmonised Standards for GSM Mobile Stations (from: G3)
  - CRs for MSR specifications (from: R4)
  - Status of the MSR-NC work item (from R4)
  - GSM OTA requirements and tests (from R4)
  - Dual antenna connection for legacy test requirements (from G3)
- **Partners and their bodies**
  - Improved mobile receiver characteristics for GSM-R (from: ETSI TC RT)
  - Coordination issue in relation with TS 100 910 specification (from: ETSI TC RT)

Rel-7 – EGPRS2 Performance

- **MEAN_BEP performance requirements for EGRPS2-A 16-QAM and 32-QAM**
  - GP-101749/50/51 CR 45.008 agreed
- **DL reference performance requirements for EGPRS2-B, USF**
  - GP-101761/62/63 CR 45.005 agreed
- **DL reference performance requirements for EGPRS2-A and 2-B – 2nd adjacent channel**
  - GP-101764/65/66 CR 45.005 agreed
- **Collected performance for EGPRS2 in GP-102042**

Rel-8 – GERAN/E-UTRAN Interworking (1/2)

- **Inter-RAT cell reselection enhancement**
  - Correction to priority based cell reselection criteria proposed.
  - No consensus that there is a problem
  - GP-101753 CR 45.008 postponed
  - GP-101754/55 CR 44.060 not endorsed
- **Reporting requirements for multi-RAT MS**
  - Agreement that problem exists when MS supports more than one other RAT – three proposals.
  - GP-101771/72, GP-102062/63, GP-102008/09 CR 45.008 postponed

Rel-8 – GERAN/E-UTRAN Interworking (2/2)

- **GP-101783 – On CSFB with redirection and System Information**
  - Changes introduced at GERAN #47 are clarified and proper references are included
  - GP-102059 CR 45.008 agreed
- **Inter-RAT measurement requirements clean-up**
  - GP-101804/05 CR 45.008 agreed

Rel-8 – MCBTS

- **Clarification of MCBTS minimum carrier spacing**
  - Definition of minimum carrier spacing is applicable only for the specified test cases.
  - GP-101992/2045 CR 51.021 agreed
- **Number of multicarrier BTS classes**
  - Multicarrier BTS class 1 is removed
  - GP-101830/31 CR 45.005 agreed
  - GP-101832/1993 CR 51.021 agreed
- **GP-101866 Intermodulation attenuation requirements for higher carrier spacings**
  - GP-102046/47 CR 45.005 sent to plenary
  - GP-102048/49 CR 51.021 sent to plenary

Rel-9 – Multicarrier and Multi-RAT BS

- **LS from R4 to endorse changes to TS 37.113 and TS 37.141 – reviewed and endorsed.**
- **Receiver test requirements for MCBTS**
  - Discussion documents in GP-101834, GP-101878 – no agreement.
  - GP-102055 CR 45.005 sent to plenary
  - GP-102056 CR 51.021 sent to plenary

Rel-9 – VAMOS

- **Signal levels for uplink interferers**
  - Two proposals – no consensus
    - GP-101759, GP-101767: -70 dBm co-channel, -52 dBm adjacent channel
    - GP-101947, GP-101956: -96 dBm co-channel, -75 dBm adjacent channel
  - GP-102060 CR 45.005 postponed
- **Measurement accuracy in VAMOS mode**
  - GP-101822 A new set of accuracy requirements for estimation of downlink quality of reception for AQPSK modulation is proposed.
  - GP-101823 draft CR to 45.008
- **BTS testing**
  - GP-101872 and GP-102018 discuss VAMOS related BTS test specification changes.
  - GP-101958 CR 51.021 postponed
- **Collected performance for VAMOS in GP-101931**

Rel-9 – HNB, H(e)NB enhancements

- **Reselection to CSG cells in NC2 mode**
  - GP-101773 – Proposal 1 “In NC2 mode, the reported CSG cells must meet CSG cell reselection criteria when routing parameter are not required by the network.” agreed
  - GP-101863 – WA#2: “Reporting of measurement results for the target cells is required” agreed. Reporting criteria not agreed.
- **Measurement reporting for CSG/hybrid cells**
  - GP-101827 identifies a number of problems with the current CSG measurement reporting mechanism.
- **Corrections to CSG requirements**
  - GP-101828 CR 45.008 agreed
- **Rules for reporting of detected hybrid cells not as CSG cells**
  - GP-102015 CR 45.008 postponed
- **Measurement reporting limits for CSG cells**
  - GP-101865 CR 45.008 postponed

Rel-9 - Miscellaneous

- **Minor error corrections**
  - GP-101841 CR 51.021 agreed
- **Numbering of figures and tables, reformatting tables**
  - GP-101996 CR 45.005 agreed
  - GP-102043 CR 51.021 agreed

Rel-10 – TIGHTER

- **Working assumptions**
  - GP-101809 current working assumptions
  - GP-101846 AMR-NB: For low FER values, improved performance with a fixed (tightened) input level should be specified in addition to new FER = 1% specification points.
- **Performance requirements**
  - GP-101760 performance requirements
  - GP-101811 simulation parameters
  - GP-101810 collected performance
  - GP-102002 draft CR to 45.005
- **Capability indication**
  - GP-101806 different levels of TIGHTER
    - Service based vs. modulation based
    - Incremental support vs. free choice

Rel-10 – MSR-NC

- **Ls from R4 to endorse changes to TR 37.802 – reviewed and endorsed.**
- **GP-101821 identifies a limitation with the deployment scenarios assumed by the current MSR specifications**

Rel-10 – TEI (1/2)

- **Radio link failure**
  - GP-101752 suggests a modification to the radio link failure procedure
  - Clarification needed whether Repeated SACCH was used.
- **SACCH ciphering GP-101787**
  - Implications of “blind ciphering detection” to MS receiver discussed.
- **Reaction times for DTR**
  - Reaction times for entering and leaving DTR
  - GP-102064 CR 45.010 agreed
- **Support of 8 RX TS when frequency hopping is used**
  - Some mobile stations may be capable of switching between different downlink frequencies (Trb) without latency, e.g. by making use of a dual receiver.
  - GP-101876 CR 45.002 agreed,
  - GP-101877 CR 24.008 (explicit signalling of support) endorsed

Rel-10 – TEI (2/2)

- **Power level for access bursts**
  - GP-101837/38: Discussion document and RACH collision simulations
  - GP-101839 CR 45.008 postponed
  - GP-101840 CR 44.018 not endorsed
- **GAN**
  - Support of E-UTRAN
    - GP-101977 CR 43.318 agreed
  - Support of bandwidth-efficient mode in GAN A/Gb
    - GP-101970 CR 43.318 agreed

SI – MUROS

- **Wide pulse shape**
  - GP-101844/45 link performance methodology and system level evaluation
    - GP-101845 CR 45.914 agreed
  - GP-101874 comparison between different TX pulse shapes
    - GP-102065 CR 45.914 agreed
  - Correction of figures
    - GP-101960 CR 45.914 agreed
- **Conclusion of Feasibility Study**
  - Updated with conclusion on wide pulse shapes
    - GP-102045 CR 45.914 agreed

SI – MTC

- **CCCH capacity**
  - Performance evaluation
    - GP-101778 Comparison of different proposals
    - GP-101861 Capacity for mixed traffic (synchronized network access by the MTC devices together with CS legacy background traffic)
    - GP-101779 Beta distribution
- **GP-101879 Hybrid MTC channel**
- **GP-101906 Peak load control for MTC devices**

SI – SPEED

- **GP-101860 Draft TR 45.860 v0.2.0**
- **GP-101934 Comments to the objectives as stated in the TR**
- **GP-101769 Working assumptions for performance comparison**
- **GP-101887 discussion document on burst structure**
- **Agreed pCRs**
  - GP-101848: mixed mode modulation
  - GP-102019: burst format of Padded HOM
  - GP-102041: burst mapping
  - GP-102050: DAS-12b and DBS-12b burst formatting
  - GP-101855: blind modulation detection
  - GP-101856: training symbol placement
  - GP-101857: burst formatting

SI – BTS Energy Saving

- **GP-101768 discusses possible areas for investigations**
  - Power consumption of the BCCH carrier
  - Power saving mode for the TRX
  - Dynamic cell power off
- **GP-101862, GP-101880: Output power decrease on the BCCH carrier**
- **GP-101819 skeleton TR**

Outgoing Liaison Statements

- **GP-102016 to RAN, R4 on GSM OTA requirements and tests.**
- **GP-102066 to ETSI TC RT on coordination issues in relation with TS 100 910.**
- **GP-102057 to RAN, R4 on CRs for MSR specifications**
- **GP-102058 to R4 on MSR BS RF requirements for non-contiguous deployments**

Future meetings

Conference calls:

VAMOS	2011-01-13, a further telco tbd
TIGHTER	2010-12-22, 2011-01-26
SPEED	2011-01-27
BTSEnergy	2011-01-19

GERAN1#49, 1 – 3 March 2011, Chengdu, CN

GERAN1#50, 17 – 19 May 2011

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