



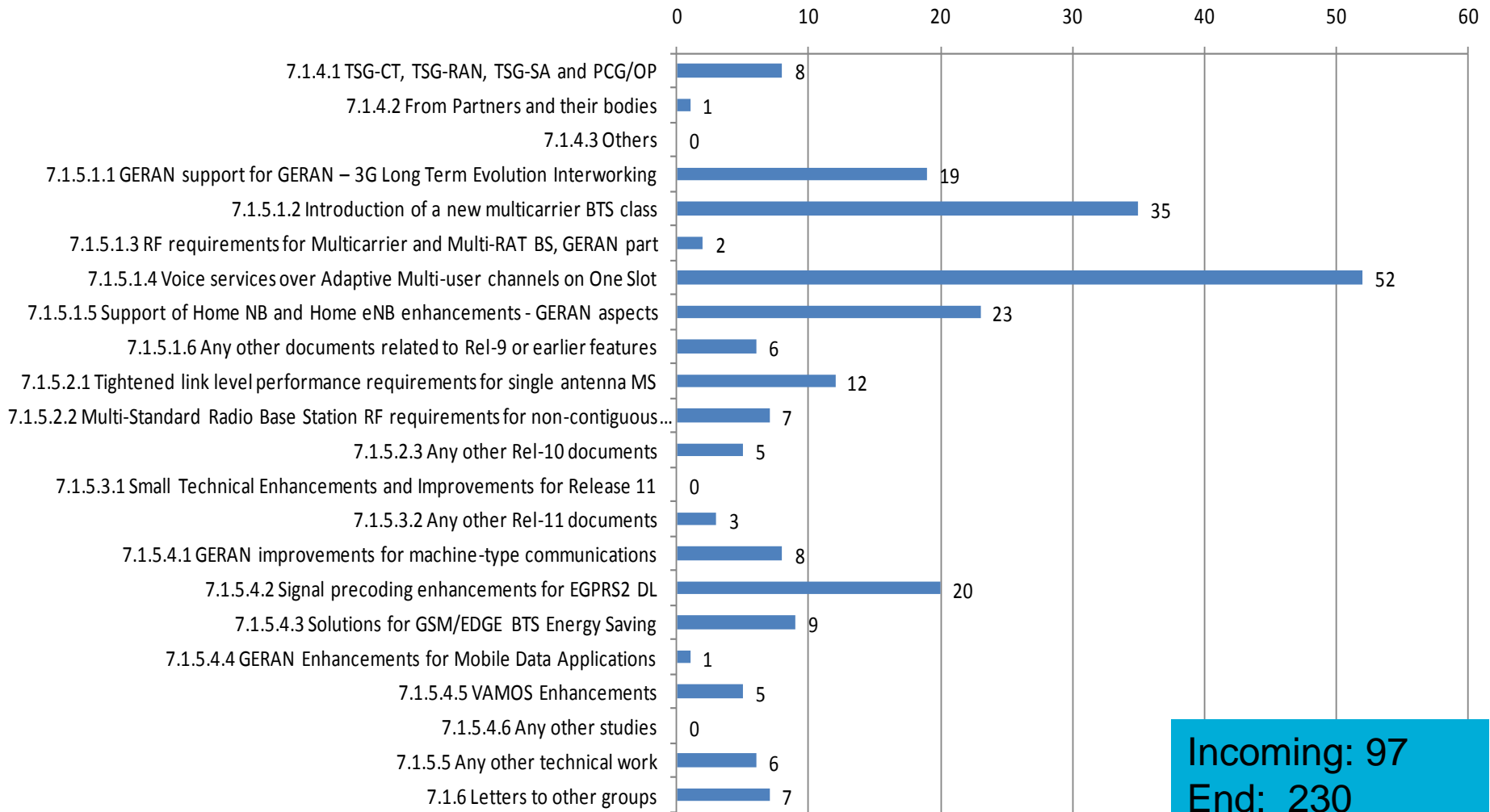
GP-111473 – Chairman's Report

3GPP TSG GERAN WG1 #51

Goteborg, Sweden, 30 Aug – 1 Sep 2011

Werner Kreuzer, 2011-09-01

Document allocation



Letters from other groups

- **LS on extreme temperature ranges for testing of different devices (TSG GERAN WG3)**
- **LS on CRs for MSR specifications (RAN4)**
- **LS on status of MSR-NC work item (RAN4)**
- **LS on new E-UTRA/UTRA operating bands (RAN4)**
- **LS on Equivalent PLMN identities and MDT (SA)**
- **Reply LS on Equivalent PLMN identities and MDT (SA5)**
- **Reply LS on sending SMS on SACCH (SA4)**
- **LS on introduction of VAMOS into EN 301 502 (ETSI TC MSG)**

GERAN/E-UTRAN Interworking

- **Measurement control parameter on SACCH**
 - CR to TS 45.008 agreed: Statement on the usage of DEFAULT_Measurement_Control_UTRAN/E-UTRAN and Measurement_Control_UTRAN/E-UTRAN sent on SACCH. Default value for Measurement_Control_UTRAN/E-UTRAN.
- **Priority-based reselection**
 - Procedural descriptions are split between TS 45.008 and TS 44.018. Inconsistencies and potential causes for misinterpretation highlighted.
 - CR to TS 45.008 sent to plenary.
- **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.

MCBTS

- **Clarification of the notation used for frequency offsets and minimum spacing between carriers.**
 - CRs to TS 45.005 and TS 51.021 agreed.
- **Equivalent receiver paths**
 - Clarification of the test setup if multicarrier receiver paths are declared as equivalent.
 - CR to TS 51.021 agreed
- **Applicability of requirements for spurious response frequencies and of inband blocking requirements for multicarrier receiver**
 - CR to TS 45.005 agreed (spurious response frequencies)
 - CR to TS 51.021 sent to plenary (spurious response frequencies and inband blocking requirements)
- **Correction of blocking frequency range for multicarrier BTS equipped with multicarrier receiver**
 - CRs to TS 51.021 sent to plenary.
- **Reduction of testing effort related to blocking receiver performance and AM suppression for multicarrier BTS equipped with multicarrier receiver**
 - CRs to TS 51.021 sent to plenary.

Multicarrier & Multi-RAT BS

- **LS from RAN4 on CRs for MSR specifications**
 - GERAN-related changes to TS 37.141 reviewed and endorsed
- **Implications of MSR medium range/local area BS class requirements.**
 - Potential coordination issues with RAN/RAN4 caused by a proposed WI on E-UTRA medium range and MSR medium range/local area BS class requirements.
 - Preferred way forward outlined in an LS to RAN and RAN4.

VAMOS

(1/2)

- **EVM requirements for BTS and repeater**
 - CRs to TS 45.005, TS 51.021, and TS 51.026 agreed, introducing EVM requirements for AQPSK for BTS and repeater.
- **DARP Phase I MSs & VAMOS**
 - Discussion of potential network operation strategies to optimize the usage of DARP Phase I MS in VAMOS operation.
- **Clarification on VAMOS essential conformance**
 - Triggered by an LS from ETSI TC MSG.
 - CR to TS 51.021 agreed
- **Agreed WA for VAMOS-I, sensitivity, high-band performance requirements: No figures worse than the best proposed figure + 2dB will be accepted. If there is no further input to these performance requirements by GERAN #52, the best figure + 2dB will be included in TS 45.005.**

VAMOS

(2/2)

- **MS receiver performance requirements (agreed CRs to TS 45.005)**
 - Clarification of the applicable SCPIR range for RXQUAL requirements.
 - Correction to reference interference performance for VAMOS-I MS and some VAMOS-II RBER1b and RBERII values.
 - Performance difference between VAMOS-I and VAMOS-II MS
 - Discussion on the performance difference between VAMOS-I and VAMOS-II MS.
 - VAMOS-II performance requirements tightened by 0.5 dB.
 - Performance requirements for VDTs-4.
 - Reference control channel performance for VAMOS-II.
 - Reference DTX performance requirements for VAMOS-II.
- **BTS receiver performance requirements**
 - CRs to TS 45.005 and TS 51.021 on BTS receiver performance requirements sent to plenary.

HNB, H(e)NB enhancements

- **CSG membership check in idle and connected mode**
 - In alignment with RAN2 decision, the CSG membership check is also based on the PLMN ID (in addition to the CSG ID) of a cell.
 - CRs to TS 45.008 agreed.
- **Measurement reporting limits for CSG cells**
 - Brackets removed.
 - Statement added, that an MS may exceed these limits if there is space in the report.
 - CR to TS 45.008 agreed.
- **Requirements for reporting handover measurements for CSG cells**
 - It is up to implementation to decide when and/or where to activate the autonomous search function for searching for allowed CSG cells but, if and when a CSG cell has been detected and measured, the MS shall report the CSG cell.
 - Potentially the need to clarify this behaviour in the specification.
 - CR to TS 45.008 postponed.

Miscellaneous (Rel-9 or earlier)

- **Applicable multislot parameters for EFTA**
 - Discussion paper highlighting some restrictions/shortcomings regarding the applicability of the multislot capability parameters for EFTA in the current specification.
- **EFTA operation in a DCDL configuration**
 - Proposed to evaluate the switching times from RX to RX under EFTA operation in a DCDL configuration individually for each carrier.
 - CR to TS 45.002 postponed. Potential impact to MS implementations needs to be checked.
- **Correction to conducted spurious emissions test case**
 - CR to TS 51.021 agreed

Rel-10 – TIGHTER

- **Agreed CRs to TS 45.005**
 - Interferer signal levels
 - Clarification on references to TS 24.008
 - Performance requirements
- **Updated working assumptions**
 - SCH sensitivity performance will be included if the improvement is at least 2 dB.
 - SCH interference performance will not be specified.
 - No blocking, AM suppression, and intermodulation requirements.

Rel-10 – MSR-NC

- **LS from R4 to endorse changes to TS 37.141**
 - Changes reviewed and endorsed
 - Reply LS to TSG RAN and TSG RAN WG4
- **Aligning MCBTS testing according to MSR-NC principles**
 - Further investigations were felt necessary.
 - No agreement to include this in Rel-9.
 - CR to TS 51.021 postponed.

Rel-10 – Miscellaneous

- **Applicability of reduced switching times for fast downlink frequency switching**
 - It is clarified that $Trb=0$ is not applicable if a mobile station capable of fast downlink frequency switching is assigned a downlink dual carrier configuration.
 - CR to TS 45.002 agreed.
- **Ciphering on SACCH**
 - Selective ciphering
 - Different cipher keys for TCH and SACCH
 - Additional “RAND_ciphering” of the SACCH

Rel-11 – TEI, other

- **RF pattern matching positioning method**
 - Comments on the RF pattern matching proposal submitted to GERAN #50

New Work Items

- **Introduction of ER-GSM band for GSM-R**
 - WID discussed but not agreed.
 - CRs to TS 45.001, TS 45.005, and TS 24.008 presented for information

SI – MTC

- **Discussion on KPIs and evaluation criteria**
 - Agreement that
 - KPIs for legacy mobiles take priority over metrics for MTC devices.
 - T3 shall be regarded as the reference case when evaluating impacts on legacy mobiles and ASR of legacy CS services shall be over 98% with the reference case.
 - The average ASR of legacy CS services after introduction of MTC devices shall not be decreased when compared with the reference case [i.e. T3].
 - The average ASR of legacy PS services after introduction of MTC devices is allowed to have some relaxation. The maximum amount of such degradation is FFS.
 - Proposal to evaluate MS power consumption for each solution.
- **Discussion documents on**
 - Evaluation of RACH procedures
 - Usage of higher MCSs on CCCH downlink
 - Enhancement on RACH with mixed traffic
 - MTC device power consumption for different RACH solutions.
 - Performance evaluation for hybrid packet channel.
- **pCR on new RACH procedures for devices configured for low priority access presented for information.**

SI – SPEED

- **TR 45.860 v1.0.0 sent to plenary for approval.**
- **Discussion documents on**
 - PAPR reduction
 - Performance comparison of Padded HOM and SBPCE2
 - MCS re-design for DAS-12 and DBS-12
- **pCRS agreed**
 - PAR reduction complexity for SBPCE2
 - Impacts on Base Station and Mobile Station for SBPCE2
 - Complexity reduction of SBPCE2B
 - USF/PAN multiplexing
 - Reference performance for SBPCE2

SI – BTS Energy Saving

- **TR 45.926 v0.1.0**
- **Discussion documents on**
 - Inter-RAT energy saving
 - No prioritization of uniform overlay
 - GERAN shall be considered as the backup RAT
 - BCCH carrier power reduction

SI – VAMOS Enhancements

- **Working assumptions**
 - Frequency hopping shall be supported.
 - No restriction to investigate only synchronized networks.
 - NW scenarios, link level and system level evaluation results and methods of the MUROS study should be reused as far as possible.
- **Draft TR v.0.0.1**

Outgoing Liaison Statements

- **Reply LS on extreme temperatures requirements for testing of different devices (To: TSG GERAN WG3, Cc: TSG RAN WG4, TSG RAN WG5)**
- **Reply LS on introduction of VAMOS into EN 301 502 (To: ETSI TC MSG)**
- **LS to “LS on CRs for MSR specifications” (To: TSG RAN, TSG RAN WG4)**
- **LS to “LS on CRs for MSR-NC work item” (To: TSG RAN, TSG RAN WG4)**
- **LS on implications of MSR medium range/local area BS class requirements (To: TSG RAN, TSG RAN WG4)**

Future meetings

Conference calls:

BTS Energy [tbd] Oct 2011

VAMOS 18 Oct 2011

SPEED 25 Oct 2011

ENHVAMOS 27 Oct 2011

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

GERAN1#53, 27 Feb – 1 Mar 2012, Hamburg, DE