GP-120766 – Chairman's Report

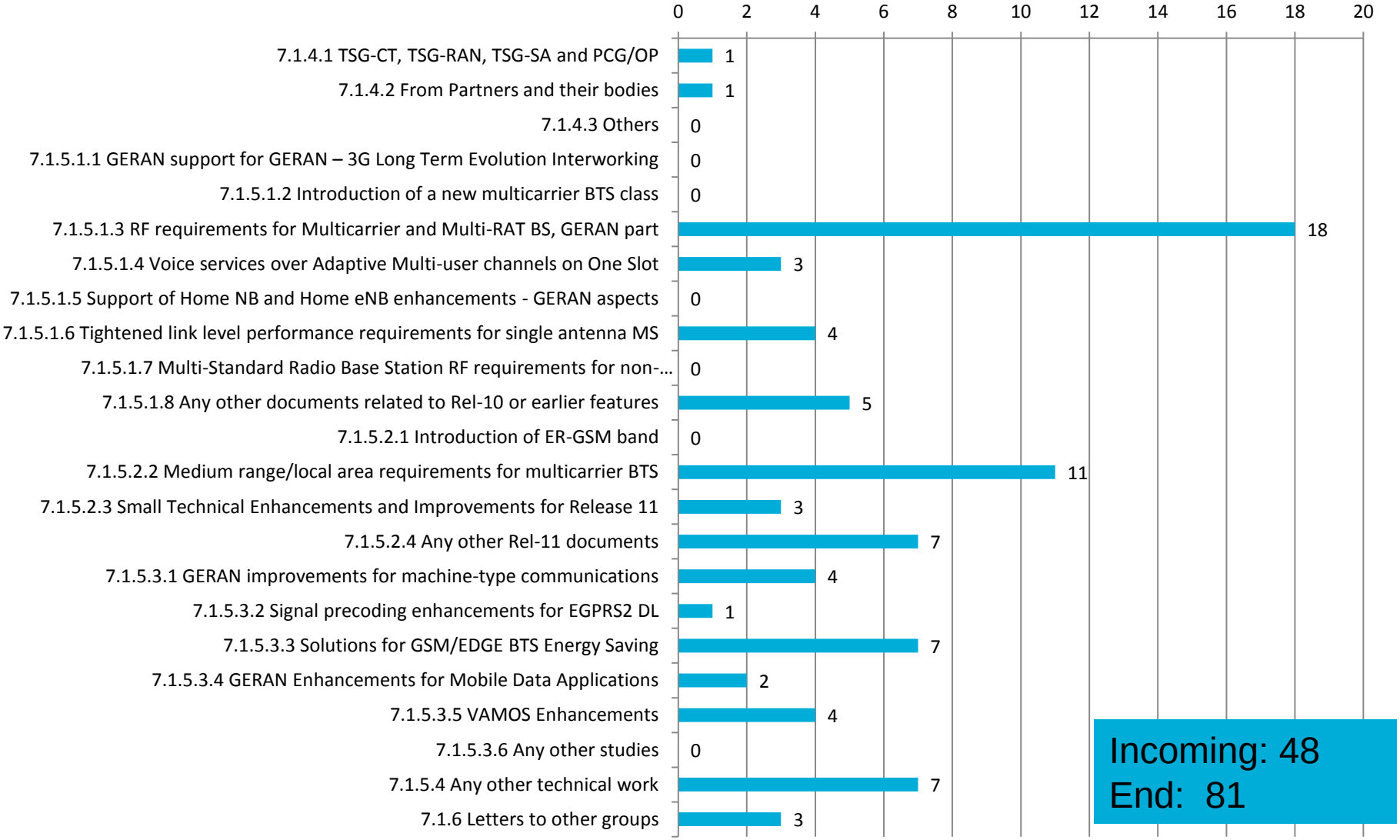
3GPP TSG GERAN WG1 #54

Sanya, P.R.China, 15 – 17 May 2012

Werner Kreuzer, 2012-05-17

BlackBerry

Document allocation



Letters from other groups (and related Tdocs)

- **LS on WI on RF requirements for multi-band and multi-standard radio (MB-MSR) base station (RAN)**
- **LS on spurious emissions and intermodulation attenuation requirements for MCBTS in the ETSI Harmonized Standard for GSM BTS (ETSI TC MSG)**

- **Terminology for classification of conformance requirements in TS 51.021 (687)**
  - The term “essential conformance” should not be used.
  - Preference to keep two sets of conformance requirements.

Rel-8 – RF Requirements for Multicarrier and Multi-RAT BS

- **Agreed CRs to TS 51.021**
  - Clarifications in the MCBTS test for wideband noise and IM requirements (753/754/755)
  - Spurious emission and intermodulation attenuation – protection of operating RX band (756/757/758)
  - Intra BSS intermodulation attenuation – protection of operating RX band (584/585/586)
  - Miscellaneous corrections (689/690)

Rel-9 – VAMOS

- **Correction of an implementation error for VAMOS-I MS RX performance requirements**
  - CR to TS 45.005 agreed (602/603)
- **VAMOS network statistics (696)**
  - Network statistics collected from simulations, to derive typical interference profiles expected in a VAMOS network at various traffic loads for the evaluation of a wider pulse.

Rel-10 – TIGHTER

- **Removal of square brackets: GPRS and EGPRS requirements**
  - CR to TS 45.005 agreed (759)
- **Correction of FER/RBER imbalance**
  - CR to TS 45.005 agreed (751)

Miscellaneous (Rel-10 or earlier)

- **Removal of square brackets: measured signal strength threshold for power reduction on RACH**
  - CR to TS 45.005 agreed (588/589)
- **Correction of co-location blocking table**
  - CR to TS 45.005 agreed (654/655/656)

Rel-11 – Medium Range/Local Area Requirements for Multicarrier BTS

- **Discussion documents on the introduction of MR/LA MCBTS**
  - Scenario assumptions (590)
  - Transmitter (599)
  - Receiver (697)
  - Test requirements (601)
- **Agreed list of working assumptions (760)**
- **CR to TS 45.005 agreed to introduce medium range and local area multicarrier BTS classes (761)**
  - Core requirements related to the MR and LA multicarrier BTS classes, with the exception of the TX spurious emission limit towards co-located UTRA and E-UTRA BS receiver.

Rel-11 – TEI11, Miscellaneous

- **Absent parameters in point-to-point messages**
  - Applicability of broadcasted values for absent parameters in p2p message (558)
    - Request to quantify gains, clarify behaviour in legacy NW
  - CR to TS 45.008 postponed (557)
- **FULL MOCN**
  - NCC_PERMITTED in idle mode: CR to TS 45.008 agreed (576)
  - Broadcast of PLMN-related information for NW sharing: CR to TS 45.002 postponed (763)
  - Proposals to overcome the MS limitations for monitoring frequencies of other RATs (610, 653)

SI – MTC

- **Hybrid packet channel**
  - Performance evaluation (638), pCR (639) noted
- **Conclusion on CCCH overload control**
  - pCR endorsed (745)

SI – SPEED

- **CR to TR 45.860 (594) agreed to correct CR implementation issues from GERAN#53.**

SI – BTS Energy Saving

- **TR 45.926 v0.7.0 (636)**
  - Removal of irregular cell architectures
  - MS multislot class 12 instead of 33 for traffic scenario 2.
- **Network simulations**
  - Performance evaluation on power reduction on BCCH (595) and comments (695).
  - Different results in (595) compared to previous contributions from another company.
- **Work plan (768)**

SI – EMDA

- **Discussion documents on**
  - New TSC for OSAP (596)
  - Performance evaluation of coupled USF (597)

SI – VAMOS Enhancements

- **Modelling of synchronous interference (562, 598)**
- **Work plan (563)**

New Topics for Rel-11 and Beyond

- **Voice enhancements with repeated downlink orthogonal sub-channels (541, 542)**
  - Reuse of VAMOS-related technology to improve link performance and to reduce MS power consumption.
- **Adjacent channel interference reduction (688)**
  - n/2-BPSK modulation together with a spectrally tighter pulse shaping filter instead of GMSK modulation
- **MIMO for EGPRS (762)**
  - To utilize MIMO-related functionality required in E-UTRAN capable devices for GERAN.
  - Further details on performance compared to already specified (or studied) technologies requested.
- **Downlink multi-carrier (691, 692, 694)**
  - To utilize a wideband RX architecture present in multi-RAT capable devices and evolve DCDL to more than two carriers.
  - Further details on the impact to MS implementation and RX performance requested.

Outgoing Liaison Statements

- **Status of the work on multicarrier BTS classes (To: RAN4) (699)**
- **Reply LS on WI on RF requirements for multi-band and multi-standard radio (MB-MSR) base station (To: RAN4) (765)**

Future meetings

Conference calls:

ENHVAMOS	**25 Jun 2012,**	**1:00 p.m. – 4:00 p.m. CET**
BTS Energy	**29 June 2012,**	**9:00 a.m. –12:00 a.m. CET**

GERAN1#55, 28 – 30 Aug, Vienna, AT

GERAN1#56, 20 – 23 Nov, Prague, CZ

GERAN1#57, 26 – 28, Feb, Vienna, AT