

# Chairman's Report

**3GPP TSG GERAN WG1 #46**

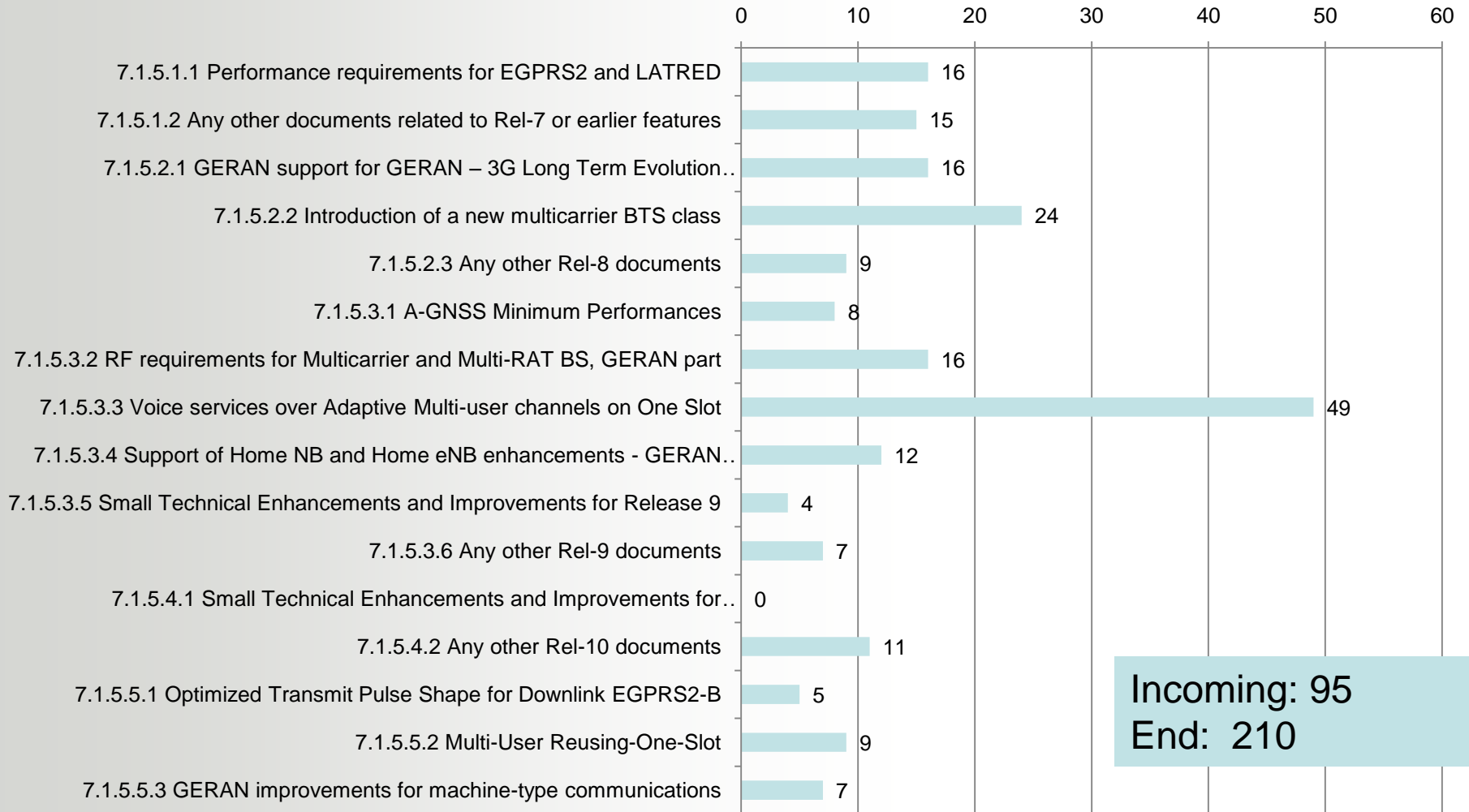
**Jeju, Korea, 18 – 20.05.2010**

**Werner Kreuzer, 20.05.2010**

*GP-101078*



# Document Allocation



# Letters from other groups

- LS on status of the MSR work item (RAN WG4)

# Rel-7 and earlier releases

- TEI4
  - Correction of the upper limit of the inband frequency range for blocking characteristics for GSM 850. CRs to TS 45.005 and TS 51.021 agreed from Rel-4 on.
- EGPRS2
  - DL reference performance requirements for EGPRS2-B, adjacent channel interference and RTTI/PAN. CRs to TS 45.005 agreed
  - Clarification of adjacent timeslot levels. CRs to TS 45.005 agreed
  - CR with corrections to TS 45.005 agreed.
  - Correction of EGPRS2-A measurement reporting. CR to TS 45.008 agreed.

# Rel-8: GERAN support for GERAN – 3G Long Term Evolution Interworking

- Inter-RAT cell re-selection based on priority information
  - The condition under which MS shall use inter-RAT cell re-selection based on priority information is appended with: “...priority information for the serving cell is provided by the network”
  - CR to TS 45.008 agreed
- Measurement reporting of cells of more than one RAT
  - Today: Cell ranking based on value of reported values.
  - Proposal: The mobile station should rank cells according to the difference of the reported values and a reporting threshold.
  - Cells for which the resulting values are greater are reported.
  - CR to TS 45.008 postponed.
- Correction for Rel-8 CSG mobility – CR to TS 45.008 agreed
- Measurement reports for cells known to be CSG cells – CR to TS 45.008 agreed.

# Rel-8: Introduction of a new Multicarrier BTS class

- CRs to TS 45.005 and TS 51.021 on correction of exceptions of spectrum due to modulation and wideband noise agreed.
- CRs to TS 45.005 and TS 51.021 on alignment of requirements for out-of-band spurious emissions with CEPT/ERC/REC 74-01 agreed.
- CR to TS 51.021 on correction of test case for spectrum due to modulation and wideband noise when testing with the lowest supported number of carriers agreed.

- Redirection from E-UTRAN to GERAN
  - Clarification of the MS behaviour in the event of redirection from E-UTRAN to GERAN.
  - CRs to TS 43.022 and TS 45.008 postponed
- Reselection to E-UTRAN on Channel Release following CS Fallback
  - Proposed to allow an MS to behave as if it had received a "cell selection indicator after release of all TCH and SDCCH" indicating the E-UTRAN frequency of the cell on which it was camped prior to the CS fallback procedure.
  - CR to TS 45.008 postponed
- Correction for RSSI reporting in TS 45.008 agreed.
  - When and how often an RSSI report is sent.

# Rel-9: A-GNSS minimum performances

- Sensitivity levels for Galileo for the coarse and fine time assistance scenarios for sensitivity requirements.
- Signal levels for Galileo for the dynamic range requirements.
- CR to TS 45.005 agreed.



# Rel-9: RF Requirements for Multicarrier and Multi-RAT BS, GERAN part

- LS from RAN WG on status of the MSR work item received.
  - GERAN related changes reviewed and endorsed
    - MSR test specification TS 37.141,
    - MSR work item TR 37.900,
    - MSR EMC specification TS 37.113
  - Text proposals to TS 37.141 not reviewed due to missing R4 decision.
- CRs to TS 45.005 and TS 51.021 agreed on
  - Alignment of blocking requirements in multi-RAT and GSM single-RAT operation
  - Introduction of spurious emission requirements in frequency band 20.

- Work Plan – noted. Conference call proposed for beginning of July.
- Clarification on sending of access bursts in VAMOS mode.
- Shifted SACCH.
  - CR to TS 45.009 on transmitter/receiver synchronisation
  - Proposals to make Shifted SACCH optional
    - in the network – not agreed.
    - In the network and the mobile station – not agreed.
- Performance requirements
  - Discussion on working assumptions for performance requirement simulations.
  - Current status in GP-101032
  - CR to TS 45.005 reviewed.

- CR to TS 45.004 agreed to introduce VAMOS modulation.
- Signalling VAMOS mode in downlink
  - G1 agreed that the NW should be able to indicate the VAMOS mode in DL to the MS.
  - Signalling to be defined by G2.
- Coexistence of DARP Phase I MS with VAMOS
  - Insufficient performance of some MS implementations reported.
  - MS vendors invited to investigate the performance of DARP Phase I receivers for AQPSK modulation.
- Discussion paper on VAMOS system performance optimization by a coordinated RRM method.
- DTX based repeated SACCH – postponed.
- Additional pulse shape for VAMOS – postponed.

# Rel-9: Home NB and Home eNB enhancements

- CR to TS 45.008 to clarify the applicability of T\_reselection for CSG cells and to introduce a default value.
- Discussion document on CSG parameter reporting.
- CR to TS 45.005 on support of inbound mobility to CSG cells agreed.
- CR to TS 45.008 on the definition of hybrid cells agreed.
- CR to TS43.129 on the introduction of PS handover to CSG cells agreed.

# TEI9, other

- CR to TS 45.008 on cell reselection enhancements agreed to align the reselection procedures with the enhancements implemented by R2.
- CRs to TS 43.022 and 45.008 on redirection from E-UTRAN to GERAN postponed.
- Power level for RACH:
  - Base the maximum limit for MS power used when accessing channel on the measured signal strength from the actual BTS.
  - Further investigations were requested, CR to TS 45.008 postponed.

# Rel-10

- Precoded EGPRS2 Downlink
  - First presented at G1 meeting #45.
  - No consensus on opening a WI.
- Proposal to tighten the MS RX performance requirements for GSM Speech, AMR-NB GMSK, AMR-WB GMSK, GPRS, EGPRS, and EGPRS2.
  - No consensus on opening a WI.

# Study items: WIDER

- Text proposals for the conclusion section of TR 45.913 presented.
- No consensus on the wording.

# Study items: MUROS

- Updated work plan.
- CR to TR 45.914 on verification of L2S mapping was agreed.
- CR to TR 45.914 on the introduction of DTX-based repeated SACCH agreed.
- Discussion documents on
  - Soft-pairing,
  - Pairing UL and DL channels independently.



# Study items: MTC

- Discussion documents on
  - RACH capacity and enhancements.
  - Priorities and way forward.
  - Modelling methodology for system simulations.

# Future meetings

GERAN1#47, 31 Aug – 2 Sep 2010, Kunming, CN

GERAN1#48, 23 – 25 Nov 2010, San Jose del Cabo, MX

GERAN1#49, 1 – 3 March 2011, CN

GERAN1#50, 17 – 19 May 2011

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