

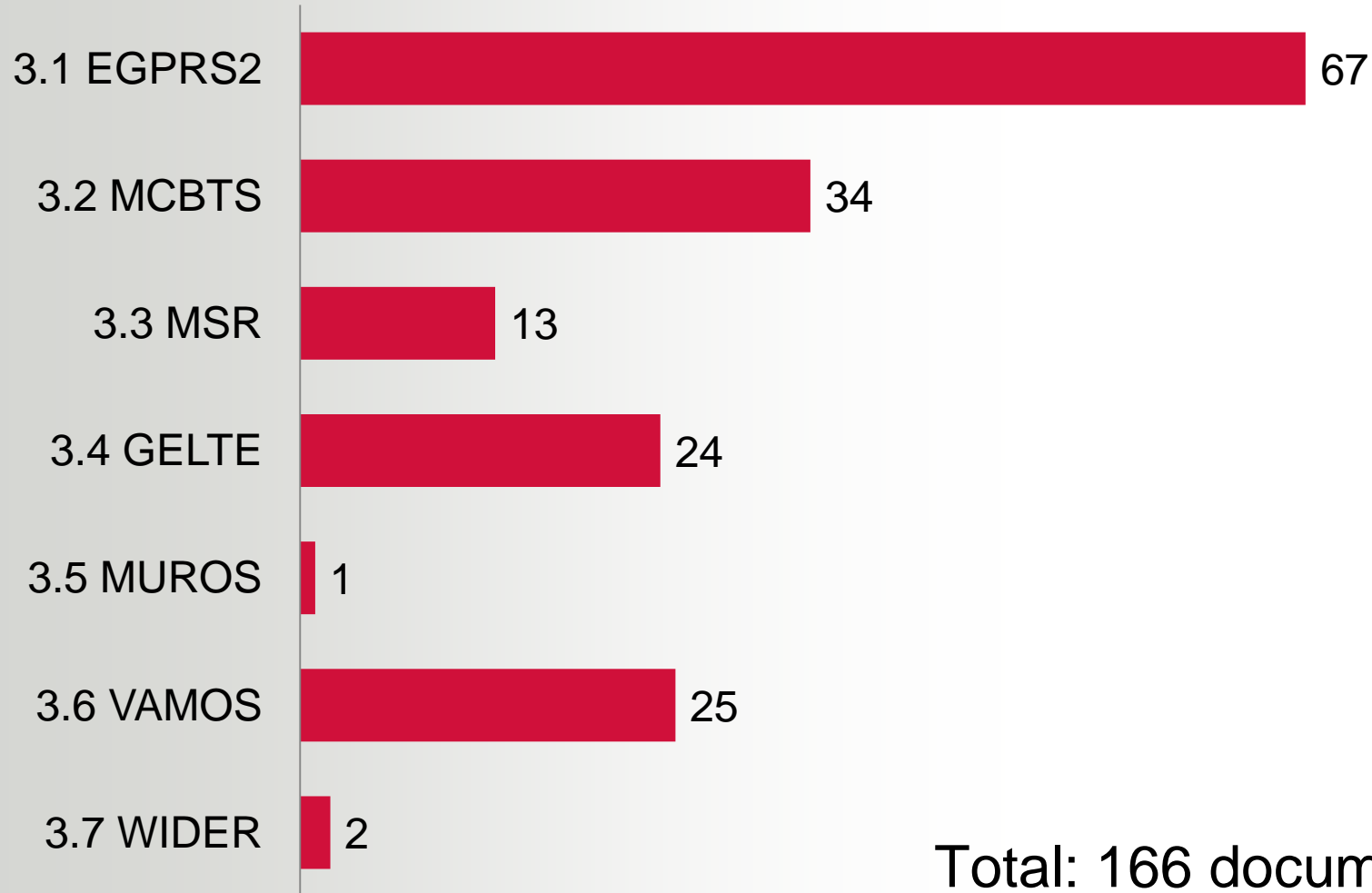
# 3GPP TSG GERAN WG1 Adhoc on EGPRS2, GELTE, MUROS, VAMOS, MCBTS, MSR, and WIDER

## Chairman's Report

**Sophia Antipolis, France, 19-21.10.2009**

**Werner Kreuzer, 28.10.2009**

# Document Allocation



# EGPRS2 – Receiver Performance Requirements

- EGRPS2-A UL: CRs to 45.005 and 51.021 (agreed)
  - Removal of brackets for reference sensitivity performance, except for HT100.
- EGPRS2-B UL: CRs to 45.005 and 51.021 (agreed)
  - Removal of brackets for reference sensitivity performance.
- Completion of remaining EGRPS2 reference sensitivity and co- and adjacent channel interference requirements planned for GERAN WG1 #44 meeting.

# EGRPS2 – 400 kHz Adjacent Channel Interference

- CRs to 45.005 and 51.021 – Reference performance EGPRS2-B, UL, 400 kHz Adjacent channel interference (postponed)
  - Some companies requested more time to verify the proposed values.
  - Final decision to be taken at GERAN WG1 #44 meeting.

# EGRPS2 - misc.

- CR 45.005 – Single antenna requirements for EGRPS2-B, UL (agreed)
  - Performance requirements for BTSs with only one antenna port will be specified.
- CR 45.005 – Correction to remove brackets from pico-BTS requirements (agreed).
- CR 45.005 – Correction of remaining errors for EGRPS2 after the split between BTS and MS requirements (agreed).
- On the EVM requirements for repeaters, EGPRS2.
  - Some more background information on the impairments present in a repeater and its impact on EGPRS2 performance is needed before the currently proposed values in 3GPP TS 45.005 can be accepted.

# EGRPS2 – LATRED, MS Requirements

- CR 45.005 – Reference performance LATRED, EGPRS and EGPRS2 (agreed).
  - Values in brackets added.
- CR 45.005 – Removal of brackets, EGPRS2: MS requirements (agreed).

# MCBTS

- CR 45.005 – Clarification of Nominal Error Rate (NER) requirements for other GSM900 than E-GSM (agreed).
- CR 45.005 – Correction of remaining errors for MCBTS after the split between BTS and MS requirements (agreed).
- CR 51.021 - Clarification of exceptions for MCBTS in single carrier operation and applicable lower limit on GSM850 and PCS1900 bands in requirements for Spectrum due to modulation and wide band noise (agreed).

# MCBTS

- Discussion documents (with related CRs):
  - On the applicability of inband spurious emission requirements for MCBTS.
  - Considerations on operational requirements for MCBTS.
  - Considerations on unwanted emission test scenarios for MCBTS.
- After an offline session on Monday evening:
  - GERAN WG1 agreed that: "test case a) (measurement of intermodulation product at minimum equal spacing) and test case c) (measurement of intermodulation product at maximum equal spacing) are sufficient to cover the contiguous frequency allocation".
  - One company commented that the wording "at maximum equal spacing" needs to be further clarified.
  - CR 51.021 – Correction of MCBTS unwanted emission measurement conditions (agreed).
  - Other CRs postponed or withdrawn.



# MSR

- LS on status of the MSR Work Item, from TSG RAN WG4.
  - Text Proposal for 37.900 Manufacturer declaration cleanup
  - Text Proposal for 37.104 Maximum power requirements
  - MSR test configurations
  - TS 37.141; MSR BS conformance testing skeleton
- Proposed updates of references to TS 45.005 in MSR specification TS 37.103 (endorsed).
- Reply LS to “LS on Status of the MSR Work Item” was sent.
- CR 45.005 – Corrections of references (agreed).
- CR 45.005 – Corrections to minimum receiver requirements for Multi Standard BS in Annex P (agreed).
- LS on support of non-contiguous frequency bands for MSR BS (To: TSG RAN WG4, Cc: TSG RAN, TSG GERAN) was sent.

# GELTE – CRs to TS 45.008

- CR 45.008 – Corrections to 3G\_SEARCH\_PRIO (agreed)
  - Requirements related to the applicability of 3G\_SEARCH\_PRIO to UTRAN and E-UTRAN are revised.
  - Behaviour corresponding to the value “1” of the parameter always adopted.
- CR 45.008 – Corrections to requirements for priority-based reselection (agreed)
  - The values for the reselection requirements are revised to take T\_reselection into account.
  - The condition that the RLA\_C or RLA\_P of the serving cell is below THRESH\_priority\_search is also added to the requirements where applicable.
- CR 45.008 – Correction to default value for THRESH\_E-UTRAN\_low (agreed)

# GELTE – Individual Priorities

- Individual priorities
  - Signalling optimisation of individual priorities
  - Compression of individual priorities
- Conclusion: The network is not permitted to require the MS to acquire system information in the serving cell, before performing cell selection in the case the “Cell Selection Indicator after release of all TCH and SDCCH” IE is included in the CHANNEL RELEASE message.

# GELTE – Clarifications, Enhancements

- Clarification of measurement report offset for E-UTRAN
  - How to handle (enhanced) measurement report when an MS supports multiple RATs and there is not enough space for reporting all valid cells.
  - More time requested to study the proposal.
- Enhancement and correction of Inter-RAT cell reselection
  - Current cell reselection algorithm is analyzed based on expected interference impact of CSG cells.
  - Considered premature to conclude, since discussion is still ongoing in RAN WG4.
  - One company considered this a deployment issue. Thus, out of scope of standardization.
- CR 45.008 – Clarification of measurement report considering CSG cells in Rel-8 (postponed)

# H(e)NB

- Not covered by the mandate of this ad-hoc meeting.
- Documents were discussed and noted.
  - Discussion on inbound mobility to H(e)NB cells
  - Validity of CSG information received in idle and connected mode
  - Reading SI for inbound mobility to CSG
  - Idle mode information and mobility to CSG cells

# VAMOS

- Meeting minutes of VAMOS telco #7 and VAMOS work plan were noted.
- Discussion documents:
  - On the Link-2-System methodology for VAMOS, optimized pulse shape.
  - Modelling methodology for VAMOS type I receiver.
  - Updated Link-2-System mapping.
  - Updated system performance evaluation with frequency hopping schemes for VAMOS.
  - Simulation results for MAIO hopping for VAMOS.
  - Soft-pairing for MUROS/VAMOS – system simulation results.
  - SACCH performance
    - No consensus on the need for improvements for SACCH.
    - CRs introducing an enhanced SACCH mapping were postponed

# VAMOS

- Max SCPIR:
  - 2 contributions
    - Limit the extreme SCPIR to 9.5 dB or less (e.g. 7.7 dB)
    - Allow SCPIR up to 12 dB.
  - Related test scenarios for MS receiver under discussion.
- AQPSK power vs. time mask
  - Power vs. time mask proposed based on an analysis of the signal power over the tail part of a burst when AQPS modulation is in use.
- Open issues for VAMOS performance requirements
  - Reference performance for speech channels will be specified at FER = 1% for both FR and HR.
  - CR to 45.005 – Introduction of VAMOS performance requirements (postponed).
- CR 45.005 – TSC pairing for VAMOS aware UEs (agreed).
- VAMOS DL signalling
  - Using the spare bit in SACCH header for introducing a dynamic indication of the VAMOS mode during a call
  - Further investigations and justification requested.
  - Related CRs to 44.004 and 45.001 were withdrawn due to lack of support.

# MUROS

- MUROS Work Plan
  - Updated work plan based on discussions and agreements at 3GPP GERAN #43.
- No technical contributions to the feasibility study.



# WIDER

- Further system simulation results for WIDER
  - PS load is increased to maximum again after activating the wide pulse.
  - Agreed to be included in TR 45.913.
- Update to TR 45.913 (v 1.2.0 -> 1.3.0)
  - Further system simulation results (contents of AHG1-090078) included.
  - Noted.

# Future Meetings

## Nov 2009

TITLE	TYPE	DATES	LOCATION	CTRY
<a href="#">3GPPGERAN1#44</a>	OR	17 - 19 Nov 2009	Sophia Antipolis	FR

## Feb 2010

TITLE	TYPE	DATES	LOCATION	CTRY
<a href="#">3GPPGERAN1#45</a>	OR	2 - 4 Mar 2010		DE

## May 2010

TITLE	TYPE	DATES	LOCATION	CTRY
<a href="#">3GPPGERAN1#46</a>	OR	18 - 20 May 2010	(TBC)	

## Aug 2010

TITLE	TYPE	DATES	LOCATION	CTRY
<a href="#">3GPPGERAN1#47</a>	OR	31 Aug - 2 Sep 2010	(TBC)	

## Nov 2010

TITLE	TYPE	DATES	LOCATION	CTRY
<a href="#">3GPPGERAN1#48</a>	OR	23 - 25 Nov 2010	Sophia Antipolis	FR