

**3GPP TSG-SA3
Meeting No 14
Oslo, Norway
2nd August 2000**

S3-00047

Source: Rapporteur

GERAN status

Frank Mueller, WI rapporteur

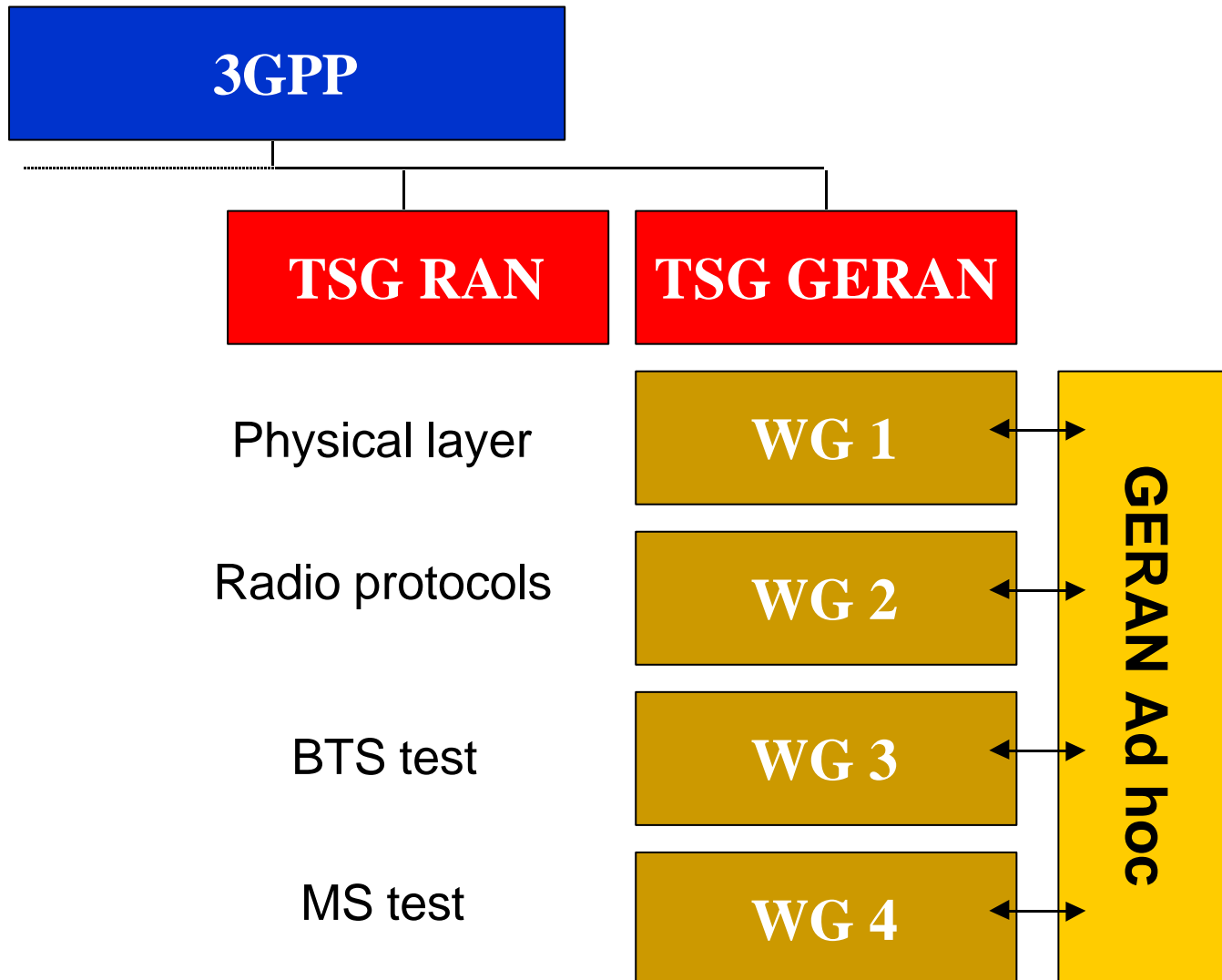
- **What is GERAN**
 - **What is our scope**
 - **How do we work**
 - **Time scale**
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- **GERAN is a term used to describe a GSM and EDGE (Enhanced Data rates for GSM Evolution) based 200 kHz radio access network. The GERAN is based on GSM/EDGE Release 99, and covers all new features for GSM Release 2000 and subsequent releases, with full backward compatibility to previous releases.**
 - **So GERAN will release 00 will maintain A and Gb interface, but will be enhanced with Iu ps and possibly Iu cs**
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- **Ensure support for IP Multimedia**
 - New protocol stack to support the four radio access bearer classes
 - Optimized physical layer design for radio bearers
 - Handover for PS domain
 - RR signaling procedures and support for MM
 - **Alignment with UMTS/UTRAN architecture, bearer services and QoS handling**
 - The same type of services as offered by UTRAN should be offered with GERAN
 - Alignment of bearer classes with UTRAN
 - Alignment of QoS mechanism with UTRAN.
 - Common RAN - CN interface and functional split for UTRAN and GERAN
 - Support of inter system hand over
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- **spectrum efficiency and performance improvements**
 - Support for multiplexing of real-time and non-realtime data from the same user
 - **Specification flexibility for future enhancements**
 - Ensure that "hooks" for future enhancements are in place
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- In July 3GPP TSG-GERAN has been created, which will have four working groups with the first meeting in the end of August



- **GERAN Ad hoc meets regularly on 2 month basis and prepares consensus and input for TSG GERAN**
 - **Participation mainly from manufacturer and operators**
 - **Around 60-70 participants per meeting, 70-80 documents**
 - **Next meetings:**
 - **7-11 of August 2000**
 - **9-13th of October**
 - **probably 2nd week of December**
 - **Mailing list SMG2GERAN@list.etsi.fr, but will be changed to 3GPP mailing list**
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- **Large amount of work ahead of us**
 - **Detailed time plan will be processed on the next GERAN meeting**
 - **However a rough “unofficial” estimation would indicate the specifications could be stabilised Q1 2001 with final completion in June 2001**
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- Stabilization of concept document for release 2000
- Refined stage 2 description
- Hand over concept
- Decision on Header stripping / compression
- First input on speech channel coding
- First specification like input on PDCP, RLC, MAC, RR

GERAN Ad #1
7-11 Aug 2000

Nokia

TSG GERAN #1
28-1 Sept 2000

GERAN Ad #2
9-13 Oct 2000

Siemens

TSG GERAN #2
13-17 Nov 2000

GERAN Ad #3
Dec 2000

- Discussion of concept document for release 2000
- Refined stage 2 description
- Refined Hand over concept
- Additional input on speech channel coding, other channel coding
- Specification like input on PDCP, RLC, MAC, RR
- First specification like input on physical layer

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- Stabilization of concept document for release 2000
- Refined stage 2 description
- Refined Hand over concept
- Additional input on speech channel coding, other channel coding
- Refined specification like input on PDCCP, RLC, MAC, RR
- First specification like input on physical layer 05 series

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Stage 2, 03.51

PDCP

RLC / MAC

RR

Interface related specs

05.xx series

Test specs



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Synchronization with SA-3

