TSG GERAN
TSG SA#23

TSG GERAN Report to TSG-SA#23

TSG-GERAN Chairman
Niels Peter Skov Andersen
Motorola

Tdoc SP-040176

TSG GERAN work area (1/2)

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TSG GSM/EDGE Radio Access Network (TSG-GERAN)

- **GERAN Radio aspects, and interfaces**
- **RF aspects of GERAN**
- **Specifications for GERAN radio performance and RF system aspects**
- **GERAN Radio Layer 1 specification**
- **GERAN Radio Layer 2 specification**
- **GERAN Radio Layer 3 RR specification**

TSG GERAN work area (2/2)

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- A interface specification, Gb interface specification
- Internal GERAN interface specifications such as Abis, and Ater (CCU-TRAU)
- Conformance test specifications for testing of all aspects of GERAN base stations
- Conformance test specifications for testing of all aspects of GERAN terminals
- GERAN specific O&M specifications for the nodes in the GERAN

Organisation of TSG GERAN (1/4)

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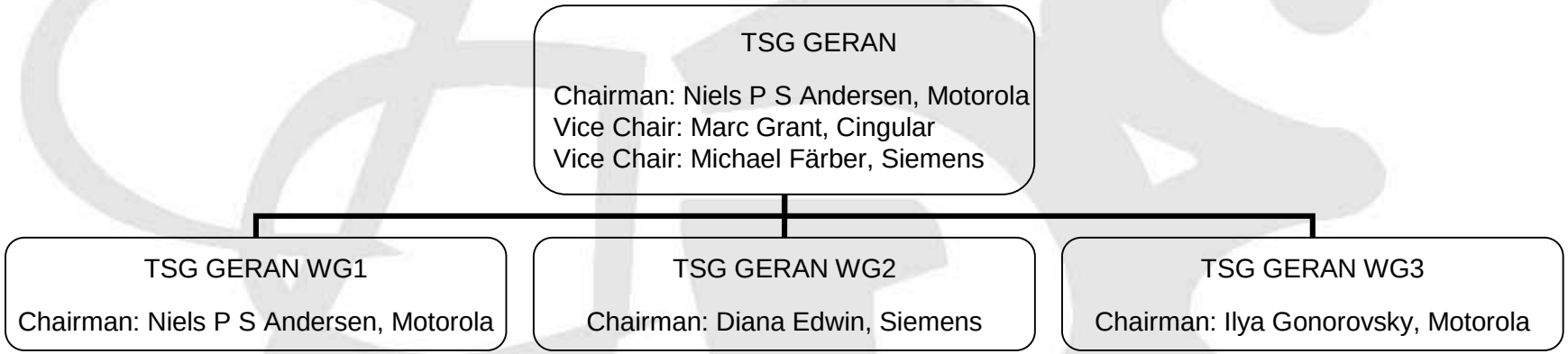

Organisation of TSG GERAN (2/4)

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TSG GERAN WG1 – Radio Aspects

- **Chairman: Niels Peter Skov Andersen, Motorola**
- **RF aspects of GERAN**
- **GERAN radio performance and RF system aspects**
- **Ater (CCU-TRAU)**
- **BTS testing and GERAN specific O&M aspects**

Organisation of TSG GERAN (3/4)

TSG GERAN WG2 – Protocol Aspects

- **Chairman: Diana Edwin, Siemens**
- **GERAN Radio Layer 2 specification**
- **GERAN Radio Layer 3 RR specification**
- **A interface specification, Gb interface specification**
- **Internal GERAN interface specifications such as Abis**

Organisation of TSG GERAN (4/4)

TSG GERAN WG3 – Terminal Testing Aspects

Chairman: Ilya Gonorovsky, Motorola

- **Conformance test specifications for testing of Lower layers including RLC/MAC**
- **Conformance test specifications for testing Protocol aspects above the RLC/MAC**

3GPP2 multi-mode terminal

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- TSG GERAN have studied liaison statement from 3GPP2 on on Preferred roaming list for 3GPP2 multi-mode terminal and concluded that if:
  - The mechanism is made as an overlayer to existing network selection mechanism, and
  - The mobile follow 3GPP/3GPP2 specifications corresponding to its current mode of operation, and
  - Hysteresis is implemented in overlayer to avoid to frequent change of mode
- Then it should not cause any changes to specifications under responsibility of TSG GERAN
- TSG SA is invited to draft reply to 3GPP2

Release 98 CRs

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- **Alignment of location reporting behaviour – TSG GERAN have studied the changes made by RAN and SA2 and concluded that to ensure compatibility the changes needs for GERAN to be done for Release 98 as well**
- **CR to 04.31 on "Interpretation of code phase for A-GPS"**
- **CR to 04.31 on "Definition of code and Doppler search windows for MS assisted A-GPS" were postponed to allow further study**

Release 99 CRs

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- Issue on Padding for MCS-8 retransmissions" has been resolved
- Correction on CPS field setting for MCS-3 retransmissions of MCS-8 blocks
  - Receiver must accept both interpretations of CPS field as referring to padding in retransmission blocks of MCS-3.

Release 5

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- **Iu mode corrections**
  - **ASN1 coding for CELL/GRA UPDATE messages**
    - **R5 CR to 44.118 agreed, LS sent to RAN2**
- **Other corrections**
  - **CR to 48.018 on "SGSN initiated deletion of BSS PFC during the modification procedure" Agreed**
  - **CR to 44.018 on "Compressed INTER RAT INFO Indication introduction into IMMEDIATE ASSIGNMENT message" Agreed**
    - **LS sent to RAN2 / CN1 indicating this feature can now be used in R5**

Release 5

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- **RIM/NACC**
  - **Constructive proposal for simplifying the format used in the evening session to restructure the CR.**
  - **LS sent to RAN3 and CN4 on RIM routing addressing between GERAN and UTRAN**
  - **RIM/NACC drafting session to be held before G2#18bis – hosted by Siemens**

Release 6: Multiple TBFs for A/Gb

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- **Interactions with DTM completed**
- **Still discussions on UL transmission of LLC SAPI 1 PDUs**
- **Annex to TS 43.064 on multiple TBF procedures to be reviewed and agreed by TSG GERAN#19**

Flexible Layer 1

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- **Main parts of FLO completed and set of CRs introducing FLO approved**
  - **CRs to TR and Iu stage 2**
  - **CRs to stage 3 agreed**
  - **Support of FLO on HR channels**
  - **Modification to the classmark postponed**
- **FLO for A/Gb still open and might be post Release 6**

MBMS

- Channel coding: Agreement on re-use of existing GPRS/EGPRS coding schemes
- A/Gb mode architecture discussion re-opened:
  - To support only p-t-m with NACK channels - performance currently being discussed in G1
  - Or to use two types of channel (p-t-m and p-t-p simultaneously in different cells during multicast)
- Notification – no additional progress
- Cell change issue relates to late arrivals concept (awaiting notification solution)

Streaming

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- **WI (Rel-6) marked as completed**

U-TDOA

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- **CS domain**
  - **Removal of emergency services client type restriction from the U-TDOA location method – SA3 being consulted on the protection of Kc in the Uplink TDOA location method**
- **PS domain**
  - **First papers on “Inclusion of PS functionality for U-TDOA location method” were seen**

PS Conversational (1)

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- **PS HO Stage 2 TS v0.2.0 presented**
- **Rapporteur to add signalling flows for one inter-RAT scenario to the TS, together with most text from the identifiers draft CR.**
- **“Packet forwarding” terminology still open**

PS Conversational *(2)*

- **Working assumption for MS identifier to use during HO procedures:**
  - **The new local P-TMSI is pre-allocated by the T-SGSN but neither this nor the derived TLLI is sent to the MS in the source cell.**
  - **The Target BSS appends the new TLLI to all uplink data sent by the MS in the target cell prior to the RAU, when the MS will be informed of the new P-TMSI and TLLI pair.**
  - **Some kind of handover reference or other temporary identifier may be needed to ensure that the correct MS appears on the dedicated resource**
- **Discussion paper for next meeting to ensure all aspects have been considered**

PS Conversational *(3)*

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- **To support signalling for PS HO, two enhancements to RLC/MAC are proposed:**
  - **Either introduce segmentation for RLC/MAC control messages on PACCH**
  - **Or optimise an RLC instance to use user data like procedures**

PS Interruption in DTM

- **"DTM enhancements concept paper" has adequately captured requirements and performance of current procedures**
  - **PSintDTM-Req and PSintDTM-Perf marked as 100% in workplan**
- **Work started on solutions (5%)**
  - **Enhancements on CS call release discussed**
  - **Enhancements to cell change are lower priority and the gain of this proposal was questioned**

TEI 6

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- Proposal for Cell-Selection redirection at connection termination completed – This allow network to send mobile returning to idle mode directly another network layer than the one used for completed connection. E.g. on completion of call on GERAN cell direct the mobile to re-select a UTRAN cell which is prioritized through reselection parameters and thereby avoid multiple Location updates
- Improvement to Delayed Uplink TBF Release

TEI 6

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- Service handover CR could not be agreed
- Ciphering in VGCS, an LS to SA3 was drafted indicating that the sending of a 32 bit RAND requires the introduction of a segmentation mechanism on the notification channel – GERAN has indicated its preference for the technical solutions and will continue study
- …. and a number of corrections and clarifications to different parts of the specifications

SAIC

- **Single Antenna Interference Cancellation**
  - **Results of simulations for synchronous networks for CS services converge**
  - **Results for asynchronous networks show a potential gain**
  - **Results for 8-PSK interference show less gain for a 8-PSK modulated interferer compared to GMSK modulated interferer !**
- **Work items for Advanced Receiver Performance (ARP) approved and work commenced. Workplan for completion of ARP in Rel 6 timeframe has been agreed.**
- **SAIC Feasibility Study kept open for additonal scenarios**

Testing

- **There are still no input on the developing Test Cases (currently 0%) for the following Rel-5 features:**
  - **Alignment of 3G functional split and Iu**
  - **Wideband telephony services**
  - **Enhanced Power Control**
  - **AMR 8 PSK HR**

Testing – GPRS R99

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- **Work plan for GPRS test cases R99 has been updated**
- **The R97 GPRS test cases, which have been introduced to 51.010-1 during the Work-Plan life are R99 compliant, have been included in the Work-Plan.**

Status summary:

- **Analysed R97 GPRS test cases: 355**
- **Ok: 352**
- **Not applicable for Rel 99: 3**

Testing of NC2

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Summary after GERAN #18

- **Phase 1 / Step 1: 15 (all) required test cases available**
- **Phase 1 / Step 2: 25 (all) required test cases available.**
- **There is no new test cases on NC2 have been identified and this work is being considered as finished**

Testing – PTCRB test cases

- **An updated Work Plan for the Alignment of the PTCRB (PCS Type Certification Review Board) RFT's has been created**
- **Outstanding activities:**
  - **RFT-002 MNC Mobile Network Code Ambiguity in specifications. Further discussion required on the GERAN reflector**
  - **RFT-012 TTY Text Telephony The core specifications will be reviewed to propose test cases as appropriate at the next GERAN meeting**
  - **RFT-018 EDGE (L1) WG3 is expected to receive the test cases for BEP at the next GERAN meeting**
  - **RFT-019 EMR Work plan is being drafted for EMR in GERAN WG3**
  - **RFT-022 (NITZ) Network Identity and Time Zone Test cases are expected at the next meeting.**

General information (EMR)

- Based on the LS from GCF, WG3 has discussed and agreed to create the Work-Plan on EMR test case development, including:
- Analysis of the test coverage in TS51.010 regarding Packet Enhanced Measurement Reporting (PEMR).
- Analysis of the required test coverage needed for PEMR in order to ensure sufficient test coverage of the feature.
- Development of test cases for PEMR in order to achieve sufficient test coverage.
- LS to GCF and PTCRB reflecting the progress of the work.

General information (EXT. UP TBF)

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- **TSG GERAN has created a Work Plan for Extended Uplink test case development.**
- **Link adaptation during TBF extension**
- **TBF reconfigure during TBF extension and resumption**
- **Cell Change Notification during extended mode**
- **Cell Change Failure during extended mode**
- **Change of RLC mode**

Specification and version numbering

- **Old specification numbers and version numbers are kept for Phase 1, Phase 2, Release 96, Release 97, Release 98, and Release 99**
- **For Releases after Release 99 specification numbering to follow 3GPP format xx.yyy and version number aligned with other TSGs, e.g next release will be version 4.x.y.**
- **New specification numbers to be derived from the old specification number**

  ab.cd=> (40+ab).0cd

  e.g

  05.08 => 45.008

Future TSG GERAN Plenary meetings

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TSG GERAN #19	**19-23 April 2004,**	**Cancun, Mexico**
TSG GERAN #20	**21-25 June 2004,**	**Bilbao, Spain**
TSG GERAN #21	**23-27 August 2004**	**Montreal, Canada (Tbd)**
TSG GERAN #22	**8-12 November 2004**	**EMEA**
TSG GERAN #23	**24 – 28 January 2005**	
TSG GERAN #24	**04 – 08 April 2005**	
TSG GERAN #25	**20 – 24 June 2005**	
TSG GERAN #26	**22 – 26 August 2005**	
TSG GERAN #27	**07 – 11 November 2005**	

TSG GERAN WG2#18bis	**22 – 26 March,**	**Phoenix, France**
TSG GERAN WG2#19bis	**20 – 24 May,**	**Sophia Antipolis, France**

Extract of GERAN work programme and list of CR handled at TSG GERAN #18 are attached to this report

Work Plan for 3GPP TSG GERAN – Reviewed at TSG GERAN #18

This list reflects the open work items running under the responsibility of TSG GERAN.

Feature	Building block	Work task	Level of completion	Start Date	Date of completion	Status
GERAN improvements 2 (GEIMP2) GP-012812	Gb enhancements GP-000436	Intra BSC NACC • Concept • Changes in 03.64 • Changes in 04.60 • Changes in 44.008		Nov 2000	June 2001	Ready for R4. Closed
	MS conformance test for Intra BSC NACC GP-012811	• Changes in 51.010	100%	Nov 2001	November 2003	Completed at GERAN #17
Alignment of 3G functional split and Iu (GER3GAL) GP-021256	GERAN user / control plane (GER3GAL-GUCOPL) GP-021255	Alignment with UMTS bearer concept • Stage 2		Aug 2000	Jun 2001	Ready for R5.
		• Adoption of the UTRAN PDCP			Dec 2001	
		• Development of RLC / MAC			Aug 2002	
		• Development of GERAN RRC			Jun 2002	
		• Ciphering and integrity protection concept paper			Apr 2002	
		• Multiple TBF or equivalent Concept paper			Feb 2002	
		• Paging concept			Apr 2002	
		• Dedicated physical subchannels. Includes traffic and control channels			Nov 2001	
		• Iu support and broadcast concept			Apr 2002	
		• Impact of using RLC instead of LAPDm concept			Feb 2002	
		• Contention resolution, mobile-station identity, and access concept			Nov 2001	
		• PDCP concept			Apr 2002	
		• Downlink delayed TBF release			Aug 2002	
		• Add transparent RLC Concept			Feb 2002	
		• Handover concept			Feb 2002	

		• Physical layer alignment with UMTS bearer concept • Control channels in 45.003 • Receiver performance in 45.005 for PDTCH/TCH and control channels			Jun 2001	
	Iu rg interface (GER3GAL-Iurg) GP-010428	Inter BSS interface Identification of requirements Stage 2 Adoption of relevant parts from Iu r Complementation with GERAN specifics New stage 3		Nov 2000	Jun 2002	Ready for R5. Closed
		Inter BSS-RNS interface Identification of requirements Stage 2 Adoption of relevant parts from Iu r Complementation with GERAN specifics New stage 3			Jun 2002	Ready for R5. Closed
	Voice over GERAN PS and CS concept GP-021252	Voice over GERAN PS and CS concept • Architecture for A, Iu cs and Iu ps • Handover • RTP payload		Nov 2000	Nov 2001	Ready for R5. Closed
	GERAN MS Conformance test for GERAN interface evolution GP-021253	• MS test	0%	August 2003	June 2004	Not started
	GERAN BTS Conformance test for GERAN interface evolution GP-021254	• BTS test	0%	August 2003	June 2004	Not started

Enhancement of Broadcast and Introduction of Multicast (in responsibility of TSG SA1)	Support of the Multimedia Broadcast Multicast Service (MBMS) in GERAN (MBMS-GERAN) GP-022566	• Impact on the logical and physical channels • Simultaneous support of MBMS services • Simultaneous support of MBMS and non-MBMS services • Resynchronisation at cell change • Decision making process between point-to-point or point-to-multipoint configurations • MBMS channel allocation procedures to multiple MSs • Changes to the Gb interface • GERAN-specific changes to the Iu-ps interface • Interaction between MBMS and Iu-flex • Security aspects • MS conformance tests	25%	November 2002	June 2004	Started
Multiple TBF in A/Gb mode (MULTBF) **GP-021263**	Multiple TBF in A/Gb mode (MULTBF-Agbmode) GP-021263	• Multiple TBF Concept paper • Multiple TBF Stage 2 (43.064) CRs • Multiple TBF Stage 3 (44.060) CRs	100%	April 2002	August 2003	Completed
	Multiple TBF in A/Gb mode – MS testing GP-022098	• MS conformance tests	0%		June 2004	Not Started
Seamless support of streaming services in A/Gb mode (SSStrea) **GP-022561**	Identification of requirements for streaming GP-022564	• Requirements	100%	August 2002	August 2003	Completed at GERAN #16
	Performance study of cell change mechanisms GP-022562	• Performance of NACC • Performance of cell change in DTM for the PS domain • Handover	100%	August 2002	August 2003	Completed at GERAN #16
	Reduction of service interruption times and packet loss during mobility procedures GP-022563	• Optimisations of existing mechanisms/procedures • Inter-system NACC • PS Handover (within GERAN and between GERAN and UTRAN) • Dependency to other features	100%	January 2003	November 2003	Completed at GERAN #17
	MS conformance testing GP-023424	• MS conformance tests	0%	September 2003	January 2004	Closed, no work needed.

Flexible Layer One for GERAN (FLOGER) **GP-021018**	Realisation of a Flexible Layer One (FLOGER-Real) GP-021019	Technical Report Architecture in 45.001 and 43.051 Multiplexing in 45.002 Channel Coding in 45.003 Performance Requirements in 45.005 Radio subsystem link control in 45.008 Requirements in 44.004	100%	April 2002	April 2004	Started
	Signalling and protocol support for a Flexible Layer One (FLOGER-SigPro) GP-021020	Modifications to RLC/MAC in 44.060 and 44.160 Modifications to RRC in 44.118 and 44.018	80%	October 2002	April 2004	Started
	Security for a Flexible Layer One (FLOGER-SecFLO) GP-021021	Ciphering in 44.160,44.118, 44.060 and 44.018	100%	February 2003	August 2003	Completed
	GERAN MS Conformance test for the Flexible Layer One (FLOGER-Msconf) GP-021022	MS Test in 51.010	0%	February 2004	June 2004	Not Started
	GERAN BTS Conformance test for the Flexible Layer One (FLOGER-BTSconf) GP-021023	BTS Test in 51.021	0%	February 2004	June 2004	Not Started
Addition of frequency bands to GSM (TAPS) **GP-022072**	Addition of frequency bands to GSM – Changes to core specs (TAPS-Specs) GP-022073	45.005 New frequency ranges 45.050 Scenarios for new frequencies 24.008 Classmark information elements 45.008 Add frequency ranges 45.001 Add frequency and channels 43.030 Add frequency ranges 43.022 Add channels to be searched	100%	June 2002	Dec 2002	Ready for Rel-6
	Addition of frequency bands to GSM – Changes for conformance tests (TAPS-Conf) GP-022074	51.010-1 Add testing	0%		November 2004	Not Started
Enhanced Power Control (EPC) GP-012748	Realization of Enhanced power control and signaling support GP-012749	Concept Changes to 43.051 Changes to 44.004 Changes to 44.018 Changes to 48.058 Changes to 45.001 Changes to 45.002 Changes to 45.003 Changes to 45.008			Nov 2001	Ready for Rel 5. Closed

	GERAN MS Conformance test for Enhanced Power Control GP-012750	• MS test	0%		June 2004	Not started
	GERAN BTS Conformance test for Enhanced Power Control GP-012751	• BTS test	0%		June 2004	Not started
8PSK AMR HR (8PSK-AH) GP-012752	Definition of channel coding, performance requirements and signaling support GP-012753	• Concept • Changes to 44.018 • Changes to 45.001 • Changes to 45.002 • Changes to 45.003 • Changes to 45.005 • Changes to 24.008 • Changes to 48.058		Dec 2001	Jun 2002	Ready for R5. Closed
	GERAN MS Conformance test for 8PSK HR GP-012754	• MS test	0%		June 2004	
	GERAN BTS Conformance test for 8PSK HR GP-012755	• BTS test	100%		Dec 2002	
Wideband telephony services (UMTS)	Support of WB AMR in GERAN (GAMRWB) GP-000453	GMSK and 8PSK WB FR / HR support • Channel coding in 45.003 • Signalling for A interface • Signalling for Iu • Link adaptation in 45.009 • Receiver performance in 45.005		January 2000	Apr 2002 Nov 2001 Jun 2002	Ready for R5. Closed
	GERAN MS Conformance test for WB AMR GP-000454	• MS test	0%		June 2004	Not started
	GERAN BTS Conformance test for WB AMR GP-000455	• BTS test	100%		Dec 2002	Closed
Location service (UMTS)	LCS interoperability aspects to GERAN GP-000456	• Co-ordinated development of GSM LCS Phase 2 and UMTS LCS, S2 and GERAN				Ready for R5. Closed
	Location service for GERAN R4 GP-010932	• Work for aligning LCS R4 CN and GERAN				Ready for R4. Closed

	Location Services (LCS) for GERAN in A/Gb Mode GP-011925	• GERAN LCS Stage Two • Gb interface support for LCS • L3 protocol support for LCS • Stage 3 specifications			Feb. 2002	Ready for Rel-5. Closed
	Location Services (LCS) for GERAN in Iu Mode GP-011926	• GERAN LCS stage 2 • Iu interface support for LCS • Iur-g interface support for LCS • RRC protocol support for LCS • Additional impacts on Broadcast of LCS data on packet channels • Stage 3 specifications			Stage 2- GERAN #8 Feb. 2002 Stage 3 – GERAN #9 Jun 2002	Ready for R5. Closed
	GERAN MS Conformance test for LCS (LCS-GERAN-Msconf) GP-000458	• Develop LCS MS test case work plan (Release 98/99/4) • Develop LCS MS test cases	100%		June 2003	Completed
	GERAN BTS Conformance test for LCS (LCS-GERAN-BTSconf) GP-000459	• Develop LCS BTS test case work plan (Release 98/99/4) • Develop LCS BTS test cases	0%		June 2004	Work has not started

Single Antenna Receiver Interference Cancellation (SAIC) **GP-023400**	Single Antenna Receiver Interference Cancellation (SAIC)	• Determine feasibility of SAIC for GMSK and 8PSK scenarios under realistic synchronized and non-synchronized network conditions. Using a single Feasibility Study, both GMSK and 8PSK scenarios will be evaluated individually. • Realistic DIR (Dominant-to-rest of Interference Ratio) levels and distributions based on network simulations and measurements. • Robustness against different training sequences. • Determine method to detect/indicate SAIC capability.	80%	Nov 2002	April 2004	Ongoing
Uplink TDOA location determination for GSM, CS domain **GP-032773**	Uplink TDOA location determination for GSM, CS domain	Addition of U-TDOA in the CS domain	90%	November 2002	April 2004	Started
Uplink TDOA location determination for GPRS, PS domain **GP-032774**	Uplink TDOA location determination for GPRS, PS domain	Addition of U-TDOA in the PS domain	5%	June 2003	November 2004	Started
Support of Conversational Services in A/Gb mode via the PS domain (SCSAGB) **GP-030443**	Creation of a Technical Report (SCSAGB-TR) GP-030444	• Technical Report	100%	Feb 2003	November 2003	Completed
	Stage 2 (SCSAGB-Stage2) GP-030445	• PS handover • SNDCP/LLC compression • Definition of radio resource management functionality • Modifications to FLO • Radio channel support	10%	Nov 2003	April 2004	Started

	Radio Channel Support (SCSAGB-RCS) GP-030446	• Radio channel support for Conversational QoS • Introduction of continuous measurement reporting	0%	Feb 2004	August 2004	Not Started
	Definition of radio resource management functionality (SCSAGB-RRM) GP-030447	• Addition/modification of radio resource management protocol layer	0%	Feb 2004	August 2004	Not Started
	PS Handover (SCSAGB-PSH) GP-030448	• BSSGP procedures for change of BSC • Bi-Casting • Context transfer	0%	Feb 2004	August 2004	Not Started
	Modifications to FLO (SCSAGB-FLO) GP-030449	• FLO specific impacts due to conversational QoS	0%	Feb 2004	August 2004	Not Started
Alignment between the test-regimes for GERAN capable MS **GP-032236**		• Determine the controversial test cases in the different test regimes and align them with 3GPP GERAN test specifications. Such test cases to be added to TS 51.010.	80%	June 2003	April 2004	Started
Advanced Receiver Performance (ARP) GP-032819	ARP test scenarios GP-032820	Interference test cases for 45.005	20%	November 2003	April 2004	Started
	ARP for GMSK modulated voice services GP-032821	Performance Requirements in 45.005 Radio subsystem link control in 45.008	15%	February 2004	June 2004	Started
	ARP for GPRS and EGPRS MCS1-MCS4 GP-032822	Performance Requirements in 45.005 Radio subsystem link control in 45.008	10%	February 2004	June 2004	Started
	ARP Capability signalling GP-032823	Modification of 24.008 for signalling of MS ARP capability	40%	November 2003	April 2004	Started

	GERAN MS Conformance test for ARP GP-032824	MS Test in 51.010	5%	August 2004	November 2004	Started
Reduction of PS service interruption in Dual Transfer Mode (PSintDTM) GP-032548	Reduction of PS service interruption in Dual Transfer Mode / Use case and requirement definition (PSintDTM-Req) GP-032549	Study of use cases and requirements. Areas for investigation are: - Cell change scenarios - CS channel establishment during PS session - CS channel release during PS session	100%	November 2003	April 2004	Started
	Reduction of PS service interruption in Dual Transfer Mode / Performance Study of Current Procedures (PSintDTM-Perf) GP-032550	Analyse performance of the common use cases to determine to what extent improvements are needed to the DTM procedures in GPRS.	100%	November 2003	April 2004	Started
	Reduction of PS service interruption in Dual Transfer Mode / Reduction of service interruption times and packet loss during Dual Transfer Mode and mobility procedures (PSintDTM-Reduct) GP-032551	Investigate changes needed to improve DTM procedures identified in this work item.	5%	February 2004	June 2004	Started
	Reduction of PS service interruption in Dual Transfer Mode / MS Conformance testing	MS Conformance testing (51.010)	0%	June 2004	November 2004	Not started
	Reduction of PS service interruption in Dual Transfer Mode / BTS Conformance testing	BTS Conformance testing	0%	June 2004	November 2004	Not started

	Closed work items or building blocks.

Completed or Terminated Work items

This list reflects work items that have been completed or terminated.

Feature	Building block	Work task	Level of completion	Start Date	Date of completion	Status
GERAN/UTRAN interface evolution 1 GP-000481	Evolution of Iu ps	• Identification of GERAN requirements on Iu ps • Update of specifications			Nov 2001 Mar 2002	Ready for R5. Closed
GERAN/UTRAN interface evolution 2 GP-010417	Evolution of Iu cs GP-000430	• Identification of GERAN requirements on Iu cs • Update of specifications			Apr 2002 Jun 2002	Ready for R5. Closed
Low chip rate TDD option (UTRAN)	Low chiprate TDD interworking with GERAN GP-000432	• Handover and Cell Selection / Reselection to UTRA 1.28Mcps TDD				Ready for R4. Closed
GERAN improvements 1 GP-000433	Gb over IP GP-000434	IP-fication of Gb • Concept • Changes to 08.16, 08.18				Ready for R4. Closed
GERAN improvements 3 GP-010909	Evolution of the transport for A GP-010910	• Definition of a new A/Ater Interface Transport Layer option based on the Iu Interface Transport Layer • Adaptation of the Layer 3 BSSMAP procedures as required.	0%		Dec 2002	Terminated. Not standardised
GERAN Improvements 4 GP-010363	Gb enhancements 2 GP-010363	Stage 2 Stage 3 (changes in 44.060) • Definition of enhanced countdown procedure • Definition of enhanced TBF release procedure				Ready for R4. Closed
GERAN Inter BSC NACC improvements over the Gb Interface GP-012313	Modification of Gb protocols for GERAN Inter BSC NACC over the Gb interface GP-012314	Stage 3 (changes to) • 48.018			Apr 2002	Ready for R5. Closed
	Modification of core network protocols for GERAN Inter BSC NACC for Gb interface GP-011877	Stage 2 • Concept • 23.060 change – Definition of Inter BSC NACC Stage 3 (changes to) • 29.060			Nov 2001 Apr 2002	

GERAN support for IP multimedia GP-010420	GERAN Header adaptation GP-010421	Header adaptation: • Definition of compression for PDCP protocol • Conceptual description in stage 2 • Necessary changes on stage 3	100%		Sept 2000 Oct 2001 Dec 2002	Ready for Rel-5. Closed
	GERAN Radio access bearer design for IP multimedia GP-010422	MuM control signalling for conversational multimedia services. • Identification of requirements • Necessary modifications due to SIP	?%		Feb 2002 Dec 2002	Terminated. Not standardised
	GERAN MS Conformance test for support of IP multimedia GP-010424	• MS test	0%		Dec 2002	Terminated. Not standardised
	GERAN BTS Conformance test for support of IP multimedia GP-010425	• BTS test	0%		Dec 2002	Terminated. Not standardised
Flow control supporting an MS with multiple data flows with different QoS over the Gb interface GP-021767	Update of stage 2 specifications	• Concept document 23.060 (changes to) – Flow Control			June 2002 June 2002	Closed
	Modification of BSSGP protocol GP-021508	Stage 3 (changes to) • 48.018			June 2002	Ready for release 5. Closed
GERAN enhancements for streaming services 1 GP-010429	GERAN enhancements for streaming services 1 GP-010429	• Concept • RLC protocol enhancement (SDU Discard)			Oct 2001 Nov 2001????	Ready for R5. Closed
GERAN enhancements for streaming services 2 GP-010430	GERAN enhancements for streaming services 2 GP-010430	Usage of ECSD Stage 2 Stage 3 • RLC PDU formats • MAC header			Jun 2001 Jun 2002	Ready for R5. Closed
Intra Domain Connection of RAN Nodes to Multiple CN Nodes: Overall System Architecture SA2 Feature	GERAN work for Intra Domain Connection of RAN Nodes to Multiple CN Nodes GP-020492	Stage 2 (changes to) • 43.051 Introduction of support for IDNNS in GERAN Iu mode Stage 3 (changes to) • 48.016 Use of Gb interface concepts when a network applies IDNNS • 48.018 Include MSC/VLR identity in CS IMSI paging			Jun 2002	Ready for R5. Closed, accept changes for Gb over IP

Real Time QoS for packet services including VoIP (UTRAN)	HOs: maintenance of real-time QoS while moving between cells in the PLMN including inter-SGSN change and SRNS relocation or possibly other mechanisms (UTRAN) GP-010431	Handover for the packet switched domain • Stabile RT handover report 25.936 including header removal • Update of stage 2 • Update of relevant stage 3 specs			Nov 2001	Closed
Uplink TDOA feasibility study GP-012794	Uplink TDOA feasibility study GP-012794	• Performing of a feasibility study			Jun 2002	Closed for R6.
700 MHz spectrum support GP-000449	GERAN support for the 700 MHz band	• Signaling support • Physical layer definitions • Receiver performance and RF budget				Ready for R4. Closed
	GERAN MS Conformance test for 700 MHz band GP-000451	• MS test			Jun 2001	Closed
	GERAN BTS Conformance test for GERAN interface evolution GP-000452	• BTS test	100%		Dec 2002	Closed
Enhanced A/Gb feasibility study **GP-022565**	Enhanced A/Gb feasibility study GP-022565	• Requirements for the support of conversational services • Identification of the different building blocks for the provision of conversational services on the existing A/Gb protocol stack • Outline of impact and feasibility of these building blocks and their different solutions • Impact on 3GPP architecture and requirement to co-ordinate with other TSGs (CN, SA) • Standardisation effort • Dependency to other features	100%		Nov 2002	Closed at GERAN #13

MS Conformance Testing of Dual Transfer Mode **GP-023236**	MS Conformance Testing of Dual Transfer Mode	• MS Conformance Testing of Dual Transfer Mode	100%		Feb 2003	Closed at GERAN #14

3GPP TSG GERAN
Meeting no 18
Reykjavík, Iceland
2 – 6 February 2004

Status for Change Requests presented to TSG GERAN #18

Tdoc	Title	Source	Status
GP-040344	CR 03.55-A003 Clarifications and corrections to the DTM procedures (R99)	Ericsson	Withdrawn
GP-040365	CR 03.71-xxx Clarification to signalling for conventional GPS location method (R98)	Alcatel	NA
GP-040366	CR 03.71-xxx Clarification to signalling for conventional GPS location method (R99)	Alcatel	NA
GP-040124	CR 04.18-A278 rev 2 Addition of Multi Rate Config IE to the message DTM ASSIGNMENT COMMAND (R99)	Ericsson	Approved
GP-040130	CR 04.18-A280 rev 3 Lack of FH parameters during VGCS handover (R99)	Nortel, Siemens	Approved
GP-040333	CR 04.18-A282 rev 1 Correction of incomplete information element descriptions (R99)	Ericsson	Approved
GP-040337	CR 04.31-A090 rev 1 Definition of code phase for MS assisted AGPS (R98)	Ericsson	Withdrawn
GP-040338	CR 04.31-A091 rev 1 Definition of code phase for MS assisted AGPS (R99)	Ericsson	Withdrawn
GP-040091	CR 04.31-A092 Definition of code phase for MS assisted A-GPS (Rel-98)	Qualcomm Europe S.A.R.L., Nortel Networks	Postponed
GP-040092	CR 04.31-A093 Definition of code phase for MS assisted A-GPS (Rel-99)	Qualcomm Europe S.A.R.L. , Nortel Networks	Postponed
GP-040097	CR 04.31-A094 Definition of code and Doppler search windows for MS assisted A-GPS (Rel-98)	Qualcomm Europe S.A.R.L. , Alcatel	Revised
GP-040420	CR 04.31-A094 rev 1 Definition of code and Doppler search windows for MS assisted A-GPS (R98)	Qualcomm Europe, Nortel Networks	Approved
GP-040098	CR 04.31-A095 Definition of code and Doppler search windows for MS assisted A-GPS (Rel-99)	Qualcomm Europe S.A.R.L. , Alcatel	Postponed

Tdoc	Title	Source	Status
GP-040421	CR 04.31-A095 rev 1 Definition of code and Doppler search windows for MS assisted A-GPS (R99)	Qualcomm Europe, Nortel Networks	Approved
GP-040374	CR 04.31-A096 Definition of GPS TOW (R98)	Alcatel	Withdrawn
GP-040375	CR 04.31-A097 Definition of GPS TOW (R99)	Alcatel	Withdrawn
GP-040410	CR 04.31-A098 Clarification to signalling for conventional GPS location method (R98)	Alcatel	Withdrawn
GP-040411	CR 04.31-A099 Clarification to signalling for conventional GPS location method (R99)	Alcatel	Withdrawn
GP-040388	CR 04.60-B128 rev 1: Padding for MCS-8 retransmissions (R99)	Motorola, Nokia	Revised
GP-040430	CR 04.60-B128 rev 2 Padding for MCS-8 retransmissions (R99)	Motorola, Nokia	Approved
GP-040087	CR 04.60-B129 Packet Measurement Report message encoding before GSM Neighbour Cell List is acquired (R99)	Infineon AG	Withdrawn
GP-040158	CR 04.60-B130 Correction of the QoS change procedure (R99)	Melco Mobile Communication Europe, St MicroElectronics	Postponed
GP-040519	CR 04.60-B131 Clarification on CPS field setting for MCS-3 retransmissions of MCS-8 blocks (R99)	Motorola, Nokia, Ericsson	Revised
GP-040556	CR 04.60-B131 rev 1 Clarification on CPS field setting for MCS-3 retransmissions of MCS-8 blocks (R99)	Motorola, Nokia, Ericsson	Approved
GP-040111	CR 08.18-A143 Removal of PFC Transfer Result indication (R99)	Siemens	Approved
GP-040425	CR 09.31-A032 Correction of behaviour of the Location Request procedure (R99)	Vodafone	Postponed
GP-040435	CR 09.31-A033 Alignment of behaviour of the Location Request procedure (R98)	Vodafone	Postponed
GP-040345	CR 43.055-012 Clarifications and corrections to the DTM procedures (Rel-4)	Ericsson	Withdrawn
GP-040346	CR 43.055-013 Clarifications and corrections to the DTM procedures (Rel-5)	Ericsson	Withdrawn
GP-040347	CR 43.055-014 Clarifications and corrections to the DTM procedures (Rel-6)	Ericsson	Revised
GP-040429	CR 43.055-014 rev 1: Clarifications and corrections to the DTM procedures (Rel-6) (Rel-6)	Ericsson	Approved

Tdoc	Title	Source	Status
GP-040142	CR 43.059-043 Removal of emergency services client type restriction from the U-TDOA location method (Rel 6)	Cingular Wireless, T-Mobile USA, Andrew Corporation and TruePosition	Postponed
GP-040367	CR 43.059-045 Clarification to signalling for conventional GPS location method (Rel-4)	Alcatel	Withdrawn
GP-040368	CR 43.059-046 Clarification to signalling for conventional GPS location method (Rel-5)	Alcatel	Withdrawn
GP-040369	CR 43.059-047 Clarification to signalling for conventional GPS location method (Rel-6)	Alcatel	Revised
GP-040433	CR 43.059-047 rev 1 Clarification to signalling for conventional GPS location method (Rel-6)	Alcatel	Withdrawn
GP-040488	CR 43.059-048 Correction of GERAN location request procedure (Rel 4)	Vodafone	Postponed
GP-040489	CR 43.059-049 Correction of GERAN location request procedure (Rel 5)	Vodafone	Postponed
GP-040490	CR 43.059-050 Correction of GERAN location request procedure (Rel 6)	Vodafone	Postponed
GP-040145	CR 43.059-051 Inclusion of PS functionality for U-TDOA location method (Rel 6)	Cingular Wireless, Andrew Corporation and TruePosition	Postponed
GP-040187	CR 43.064-017 Annex on multiple TBF procedures	Siemens	Postponed
GP-040317	CR 43.068-xxx VGCS PCH reorganisation (Rel 4)	Motorola	NA
GP-040318	CR 43.068-xxx VGCS PCH reorganisation (Rel 5)	Motorola	NA
GP-040319	CR 43.068-xxx VGCS PCH reorganisation (Rel 6)	Motorola	NA
GP-040123	CR 44.005-001 rev 1 Correction of mistyped acronyms and abbreviations (Rel-6)	MCC	Approved
GP-040104	CR 44.006-003 Correction of abbreviation typo (Rel-6)	MCC	Approved
GP-040009	CR 44.018-287 rev 2 Addition of "Cell selection indicator after release of all TCH and SDCCH" to CHANNEL RELEASE message (Rel 6)	T-Mobile	Revised
GP-040518	CR 44.018-287 rev 3 Addition of "Cell selection indicator after release of all TCH and SDCCH" to CHANNEL RELEASE message (Rel-6)	T-Mobile	Revised
GP-040533	CR 44.018-287 rev 4 Addition of "Cell selection indicator after release of all TCH and SDCCH" to CHANNEL RELEASE message (Rel-6)	T-Mobile	Approved

Tdoc	Title	Source	Status
GP-040125	CR 44.018-289 rev 2 Addition of Multi Rate Config IE to the message DTM ASSIGNMENT COMMAND (Rel-4)	Ericsson	Approved
GP-040126	CR 44.018-290 rev 2 Addition of Multi Rate Config IE to the message DTM ASSIGNMENT COMMAND (Rel-5)	Ericsson	Approved
GP-040127	CR 44.018-291 rev 2 Addition of Multi Rate Config IE to the message DTM ASSIGNMENT COMMAND (Rel-6)	Ericsson	Approved
GP-040106	CR 44.018-292 Replacement of "implicit spare" by "spare padding" (Rel-6)	Siemens AG	Approved
GP-040131	CR 44.018-301 rev 2 Lack of FH parameters during VGCS handover (Rel-4)	Nortel, Siemens	Approved
GP-040132	CR 44.018-302 rev 2 Lack of FH parameters during VGCS handover (Rel-5)	Nortel, Siemens	Approved
GP-040133	CR 44.018-303 rev 2 Lack of FH parameters during VGCS handover (Rel-6)	Nortel, Siemens	Approved
GP-040334	CR 44.018-304 rev 1 Correction of incomplete information element descriptions (Rel-4)	Ericsson	Approved
GP-040335	CR 44.018-305 rev 1 Correction of incomplete information element descriptions (Rel-5)	Ericsson	Approved
GP-040336	CR 44.018-306 rev 1 Correction of incomplete information element descriptions (Rel-6)	Ericsson	Approved
GP-040282	CR 44.018-307 Compressed INTER RAT INFO Indication introduction into IMMEDIATE ASSIGNMENT message (Option A) (Rel 5)	Vodafone	Revised
GP-040441	CR 44.018-307 rev 1 Compressed INTER RAT INFO Indication introduction into IMMEDIATE ASSIGNMENT message (Option A) (Rel-5)	Vodafone	Postponed
GP-040283	CR 44.018-308 Compressed INTER RAT INFO Indication introduction into IMMEDIATE ASSIGNMENT message (Option A) (Rel 6)	Vodafone	Revised
GP-040442	CR 44.018-308 rev 1 Compressed INTER RAT INFO Indication introduction into IMMEDIATE ASSIGNMENT message (Option A) (Rel-6)	Vodafone	Postponed
GP-040285	CR 44.018-309 Compressed INTER RAT INFO Indication introduction onto the BCCH (Option B) (Rel 5)	Vodafone	Withdrawn
GP-040286	CR 44.018-310 Compressed INTER RAT INFO Indication introduction onto the BCCH (Option B) (Rel 6)	Vodafone	Withdrawn
GP-040276	CR 44.018-311 Inclusion of PFI in DTM REQUEST in case network support of PFC procedures is unknown (Rel-6)	Nokia	Withdrawn

Tdoc	Title	Source	Status
GP-040444	CR 44.018-312 Inclusion of PFI in DTM REQUEST (Rel-6)	Nokia	Approved
GP-040305	CR 44.018-313 VGCS Dedicated channel release (Rel 4)	Motorola	Postponed
GP-040306	CR 44.018-314 VGCS Dedicated channel release (Rel 5)	Motorola	Postponed
GP-040307	CR 44.018-315 VGCS Dedicated channel release (Rel 6)	Motorola	Postponed
GP-040339	CR 44.031-077 rev 1 Definition of code phase for MS assisted AGPS (Rel-4)	Ericsson	Withdrawn
GP-040340	CR 44.031-078 rev 1 Definition of code phase for MS assisted AGPS (Rel-5)	Ericsson	Withdrawn
GP-040341	CR 44.031-079 rev 1 Definition of code phase for MS assisted AGPS (Rel-6)	Ericsson	Withdrawn
GP-040093	CR 44.031-081 Definition of code phase for MS assisted A-GPS (Rel-4)	Qualcomm Europe S.A.R.L. , Nortel Networks	Revised
GP-040422	CR 44.031-081 rev 1 Definition of code and Doppler search windows for MS assisted A-GPS (Rel-4)	Qualcomm Europe, Nortel Networks	Approved
GP-040094	CR 44.031-082 Definition of code phase for MS assisted A-GPS (Rel-5)	Qualcomm Europe S.A.R.L. , Nortel Networks	Revised
GP-040423	CR 44.031-082 rev 1 Definition of code and Doppler search windows for MS assisted A-GPS (Rel-5)	Qualcomm Europe, Nortel Networks	Approved
GP-040095	CR 44.031-083 Definition of code phase for MS assisted A-GPS (Rel-6)	Qualcomm Europe S.A.R.L. , Nortel Networks	Revised
GP-040424	CR 44.031-083 rev 1 Definition of code and Doppler search windows for MS assisted A-GPS (Rel-6)	Qualcomm Europe, Nortel Networks	Approved
GP-040099	CR 44.031-084 Definition of code and Doppler search windows for MS assisted A-GPS (Rel-4)	Qualcomm Europe S.A.R.L. , Alcatel	Postponed
GP-040100	CR 44.031-085 Definition of code and Doppler search windows for MS assisted A-GPS (Rel-5)	Qualcomm Europe S.A.R.L. , Alcatel	Postponed
GP-040101	CR 44.031-086 Definition of code and Doppler search windows for MS assisted A-GPS (Rel-6)	Qualcomm Europe S.A.R.L. , Alcatel	Postponed
GP-040370	CR 44.031-087 Clarification to signalling for conventional GPS location method (Rel-4)	Alcatel	Withdrawn
GP-040371	CR 44.031-088 Clarification to signalling for conventional GPS location method (Rel-5)	Alcatel	Withdrawn

Tdoc	Title	Source	Status
GP-040372	CR 44.031-089 Clarification to signalling for conventional GPS location method (Rel-6)	Alcatel	Revised
GP-040434	CR 44.031-089 rev 1 Clarification to signalling for conventional GPS location method (Rel-6)	Alcatel	Approved
GP-040376	CR 44.031-090 Definition of GPS TOW (Rel-4)	Alcatel	Withdrawn
GP-040377	CR 44.031-091 Definition of GPS TOW (Rel-5)	Alcatel	Withdrawn
GP-040378	CR 44.031-092 Definition of GPS TOW (Rel-6)	Alcatel	Withdrawn
GP-040343	CR 44.060-454 rev 2 Improved "Delayed Uplink TBF Release" (Rel-6)	Ericsson, Siemens, Nokia	Approved
GP-040387	CR 44.060-463 rev 3 Clarification on CPS field setting for MCS-3 retransmissions of MCS-8 blocks (Rel-6)	Motorola, Nokia, Ericsson	Withdrawn
GP-040389	CR 44.060-464 rev 1: Padding for MCS-8 retransmissions (Rel-4)	Motorola, Nokia	Revised
GP-040431	CR 44.060-464 rev 2 Padding for MCS-8 retransmissions (Rel-4)	Motorola, Nokia	Approved
GP-040390	CR 44.060-465 rev 1: Padding for MCS-8 retransmissions (Rel-5)	Motorola, Nokia	Revised
GP-040436	CR 44.060-465 rev 2 Padding for MCS-8 retransmissions (Rel-5)	Motorola, Nokia	Approved
GP-040391	CR 44.060-466 rev 1: Padding for MCS-8 retransmissions (Rel-6)	Motorola, Nokia	Revised
GP-040437	CR 44.060-466 rev 2 Padding for MCS-8 retransmissions (Rel-6)	Motorola, Nokia	Approved
GP-040103	CR 44.060-468 Removal of incorrect text addition (Rel-6)	MCC	Approved
GP-040022	CR 44.060-469 rev 2 UL transmission of LLC SAPI 1 PDUs in case of MTBF (Rel 6)	Infineon	Postponed
GP-040279	CR 44.060-470 rev 2 with a 3G-target cell not supported by the mobile station (Rel 6)	Infineon AG	Revised
GP-040524	CR 44.060-470 rev 3 PCCO with a 3G-target cell not supported by the mobile station (Rel-6)	Infineon AG	Approved
GP-040128	CR 44.060-471 rev 2 RLC Buffer for MTBF in A/Gb mode (Rel-6)	Nokia	Approved
GP-040088	CR 44.060-474 Packet Measurement Report message encoding before GSM Neighbour Cell List is acquired (Rel 4)	Infineon AG	Withdrawn

Tdoc	Title	Source	Status
GP-040089	CR 44.060-475 Packet Measurement Report message encoding before GSM Neighbour Cell List is acquired (Rel 5)	Infineon AG	Withdrawn
GP-040090	CR 44.060-476 Packet Measurement Report message encoding before GSM Neighbour Cell List is acquired (Rel 6)	Infineon AG	Withdrawn
GP-040159	CR 44.060-477 Correction of the QoS change procedure (Rel 4)	Melco Mobile Communication Europe, St MicroElectronics	Postponed
GP-040160	CR 44.060-478 Correction of the QoS change procedure (Rel 5)	Melco Mobile Communication Europe, St MicroElectronics	Postponed
GP-040161	CR 44.060-479 Correction of the QoS change procedure (Rel 6)	Melco Mobile Communication Europe, St MicroElectronics	Postponed
GP-040287	CR 44.060-480 Compressed INTER RAT INFO Indication introduction onto the PBCCH (Option B) (Rel 5)	Vodafone	Withdrawn
GP-040288	CR 44.060-481 Compressed INTER RAT INFO Indication introduction onto the PBCCH (Option B) (Rel 6)	Vodafone	Withdrawn
GP-040330	CR 44.060-482 Clarification on N3102 disabling	STMicroelectronics	Revised
GP-040523	CR 44.060-482 rev 1 Clarification on N3102 disabling (Rel-6)	STMicroelectronics	Approved
GP-040393	CR 44.060-483 Interoperability problem in the Request for acquisition of system information procedure using Packet PSI/SI Status and Packet Serving Cell Data messages (Rel 4)	Motorola	Withdrawn
GP-040394	CR 44.060-484 Interoperability problem in the Request for acquisition of system information procedure using Packet PSI/SI Status and Packet Serving Cell Data messages (Rel 5)	Motorola	Withdrawn
GP-040395	CR 44.060-485 Interoperability problem in the Request for acquisition of system information procedure using Packet PSI/SI Status and Packet Serving Cell Data messages (Rel 6)	Motorola	Withdrawn
GP-040396	CR 44.060-486 Mandatory procedure to dynamically build the Packet Serving Cell Data (PSCD) message instance set upon reception of Packet PSI (SI) (Rel 6)	Motorola	Postponed

Tdoc	Title	Source	Status
GP-040398	CR 44.060-487 Clarifications on the NACC functionality (Rel 6)	Motorola	Withdrawn
GP-040520	CR 44.060-488 Clarification on CPS field setting for MCS-3 retransmissions of MCS-8 blocks (Rel-4)	Motorola, Nokia, Ericsson	Revised
GP-040557	CR 44.060-488 rev 1 Clarification on CPS field setting for MCS-3 retransmissions of MCS-8 blocks (Rel-4)	Motorola, Nokia, Ericsson	Approved
GP-040521	CR 44.060-489 Clarification on CPS field setting for MCS-3 retransmissions of MCS-8 blocks (Rel-5)	Motorola, Nokia, Ericsson	Revised
GP-040558	CR 44.060-489 rev 1 Clarification on CPS field setting for MCS-3 retransmissions of MCS-8 blocks (Rel-5)	Motorola, Nokia, Ericsson	Approved
GP-040522	CR 44.060-490 Clarification on CPS field setting for MCS-3 retransmissions of MCS-8 blocks (Rel-6)	Motorola, Nokia, Ericsson	Revised
GP-040559	CR 44.060-490 rev 1 Clarification on CPS field setting for MCS-3 retransmissions of MCS-8 blocks (Rel-6)	Motorola, Nokia, Ericsson	Approved
GP-040122	CR 44.118-070 rev 1 Signalling TFC on HR channels (Rel-6)	Nokia	Approved
GP-040324	CR 44.118-071 rev 1 TFCS Reconfiguration (Rel 6)	Nokia	Revised
GP-040446	CR 44.118-071 rev 2 TFCS Reconfiguration (Rel-6)	Nokia	Approved
GP-040115	CR 44.118-072 rev 1 Unsuccessful security mode control procedure and Integrity Protection-UTRAN-GERAN alignment (Rel-5)	Nokia	Approved
GP-040116	CR 44.118-073 rev 1 Unsuccessful security mode control procedure and Integrity Protection-UTRAN-GERAN alignment (Rel-6)	Nokia	Approved
GP-040107	CR 44.118-074 HFN initialisation in case of pending security configurations-UTRAN-GERAN alignment (Rel-5)	Nokia	Approved
GP-040108	CR 44.118-075 HFN initialisation in case of pending security configurations-UTRAN-GERAN alignment (Rel-6)	Nokia	Approved
GP-040117	CR 44.118-076 rev 1 COUNT-I reverting in case Security Mode Control procedure failure- UTRAN-GERAN alignment (Rel-5)	Nokia	Approved
GP-040110	CR 44.118-077 COUNT-I reverting in case Security Mode Control procedure failure- UTRAN-GERAN alignment (Rel-6)	Nokia	Approved
GP-040118	CR 44.118-078 rev 1 Network Response Times (Rel-5)	Nokia	Approved
GP-040119	CR 44.118-079 rev 1 Network Response Times (Rel-6)	Nokia	Approved

Tdoc	Title	Source	Status
GP-040326	CR 44.118-080 TFC Removal Mechanism (Rel 6)	Nokia	Revised
GP-040447	CR 44.118-080 rev 1 TFC Removal Mechanism (Rel-6)	Nokia	Postponed
GP-040450	CR 44.118-081 ASN1 coding for CELL/GRA UPDATE messages (Rel-5)	Nokia	Revised
GP-040535	CR 44.118-081 rev 1 ASN1 coding for CELL/GRA UPDATE messages (Rel-5)	Nokia	Revised
GP-040537	CR 44.118-081 rev 2 ASN1 coding for CELL/GRA UPDATE messages (Rel-5)	Nokia	Approved
GP-040516	CR 44.118-082 ASN1 coding for CELL/GRA UPDATE messages (Rel-6)	Nokia	Revised
GP-040536	CR 44.118-082 rev 1 ASN1 coding for CELL/GRA UPDATE messages (Rel-6)	Nokia	Revised
GP-040538	CR 44.118-082 rev 2 ASN1 coding for CELL/GRA UPDATE messages (Rel-6)	Nokia	Approved
GP-040109	CR 44.160-073 Correction to interpretation of bitmap for FLO (Rel-6)	Nokia	Approved
GP-040129	CR 44.160-076 rev 1 RLC Buffer for MTBF in A/Gb mode (Rel-6)	Nokia	Approved
GP-040362	CR 45.001-028 Correction on MS support of EGPRS coding schemes (Rel-6)	Siemens	Approved
GP-040179	CR 45.002-085 Title: Restrictions on the allowed PBCCH & PCCCH frequency band (Rel 6)	Nokia	Approved
GP-040167	CR 45.003-031 Correction of encoded in-band data bits (Rel 6)	Siemens	Approved
GP-040553	CR 45.003-032 Correction of encoded in-band data bits (Rel 5)	Siemens	Approved
GP-040144	CR 45.005-079 Change of term TOA to U-TDOA in Appendix H (Rel 6)	Cingular Wireless, Andrew Corporation and TruePosition	Postponed
GP-040232	CR 45.005-080 Flexible Layer One (Rel-6)	Nokia	Revised
GP-040487	CR 45.005-080 rev 1 Flexible Layer One (Rel-6)	Nokia	Approved
GP-040010	CR 45.008-198 rev 3 Addition of "cell selection indication" for cell selection at release of TCH or SDCCH (Rel 6)	T-Mobile	Revised

Tdoc	Title	Source	Status
GP-040542	CR 45.008-198 rev 4 Addition of "cell selection indication" for cell selection at release of TCH or SDCCH (Rel 6)	T-Mobile	Approved
GP-040230	CR 45.008-202 DTX Corrections (Rel-5)	Nokia	Revised
GP-040483	CR 45.008-202 rev 1 DTX Corrections (Rel-5)	Nokia	Revised
GP-040486	CR 45.008-202 rev 2 DTX Corrections (Rel-5)	Nokia	Approved
GP-040231	CR 45.008-203 DTX Corrections (Rel-6)	Nokia	Revised
GP-040485	CR 45.008-203 rev 1 DTX Corrections (Rel-6)	Nokia	Approved
GP-040233	CR 45.008-204 FLO Corrections (Rel-6)	Nokia	Approved
GP-040168	CR 45.009-017 Reference channel for AMR codec mode adaptation (Rel-6)	Siemens, Ericsson, Nokia, Racal Instruments	Approved
GP-040234	CR 45.902-013 rev 1 TFCS Reconfiguration in FLO (Rel-6)	Nokia	Approved
GP-040445	CR 45.902-013 rev 2 TFCS Reconfiguration in FLO (Rel 6)	Nokia	Withdrawn
GP-040163	CR 45.902-017 Correction on signalling for half rate channels	Siemens	Approved
GP-040361	CR 45.902-018 Signalling for Uplink TFC selection (Rel-6)	Siemens	Postponed
GP-040311	CR 48.006-001 VGCS Notification response (Rel 4)	Motorola	Postponed
GP-040312	CR 48.006-002 VGCS Notification response (Rel 5)	Motorola	Postponed
GP-040313	CR 48.006-003 VGCS Notification response (Rel 6)	Motorola	Postponed
GP-040196	CR 48.008-091 rev 2 Service Handover for services not supported in GERAN (Rel-6)	Siemens AG	Withdrawn
GP-040294	CR 48.008-101 Introduction of the UESBI onto the A interface (Rel 5)	Vodafone	Rejected
GP-040295	CR 48.008-102 Introduction of the UESBI onto the A interface (Rel 6)	Vodafone	Rejected
GP-040308	CR 48.008-103 VGCS Dedicated channel release (Rel 4)	Motorola	Postponed
GP-040309	CR 48.008-104 VGCS Dedicated channel release (Rel 5)	Motorola	Postponed
GP-040310	CR 48.008-105 VGCS Dedicated channel release (Rel 6)	Motorola	Postponed
GP-040314	CR 48.008-106 VGCS Notification response (Rel 4)	Motorola	Postponed
GP-040315	CR 48.008-107 VGCS Notification response (Rel 5)	Motorola	Postponed

Tdoc	Title	Source	Status
GP-040316	CR 48.008-108 VGCS Notification response (Rel 6)	Motorola	Postponed
GP-040320	CR 48.008-109 VGS queuing and premeption (Rel 4)	Motorola	Postponed
GP-040321	CR 48.008-110 VGS queuing and premeption (Rel 5)	Motorola	Postponed
GP-040322	CR 48.008-111 VGS queuing and premeption (Rel 6)	Motorola	Postponed
GP-040383	CR 48.008-112 Location Estimate in Perform Location Request and Old BSS to new BSS Information (Rel-6)	Alcatel	Postponed
GP-040139	CR 48.018-089 rev 2 RIM and NACC clean-up (Rel 5)	Siemens AG	Postponed
GP-040120	CR 48.018-095 rev 1 TOM PFI usage on Gb interface (Rel-5)	Siemens AG	Approved
GP-040121	CR 48.018-096 rev 1 TOM PFI usage on Gb interface (Rel-6)	Siemens AG	Approved
GP-040199	CR 48.018-097 rev 1 SGSN initiated deletion of BSS PFC during the modification procedure (Rel-5)	Siemens AG	
GP-040438	CR 48.018-097 rev 2 SGSN initiated deletion of BSS PFC during the modification procedure (Rel-5)	Siemens AG	Revised
GP-040530	CR 48.018-097 rev 3 SGSN initiated deletion of BSS PFC during the modification procedure (Rel-5)	Siemens AG	Approved
GP-040200	CR 48.018-098 rev 1 SGSN initiated deletion of BSS PFC during the modification procedure (Rel-6)	Siemens AG	Revised
GP-040439	CR 48.018-098 rev 2 SGSN initiated deletion of BSS PFC during the modification procedure (Rel-6)	Siemens AG	Revised
GP-040531	CR 48.018-098 rev 3 SGSN initiated deletion of BSS PFC during the modification procedure (Rel-6)	Siemens AG	Approved
GP-040112	CR 48.018-103 rev 1 Removal of PFC Transfer Result indication (Rel-4)	Siemens	Approved
GP-040113	CR 48.018-104 rev 1 Removal of PFC Transfer Result indication (Rel-5)	Siemens	Approved
GP-040114	CR 48.018-105 rev 1 Removal of PFC Transfer Result indication (Rel-6)	Siemens	Approved
GP-040105	CR 48.071-019 Correction of the Encryption Key IE for U-TDOA (Rel-6)	Siemens AG	Approved
GP-040227	CR 48.071-020 rev 1 Correction of Length of Enhanced Measurement Report IE (Rel 6)	Siemens	Approved

Tdoc	Title	Source	Status
GP-040143	CR 48.071-021 rev 1 Removal or emergency services client type restriction from the U-TDOA location method (Rel 6)	Cingular Wireless, T-Mobile USA, Andrew Corporation and TruePosition	Postponed
GP-040146	CR 48.071-022 Inclusion of PS functionality for U-TDOA location method (Rel 6)	Cingular Wireless, Andrew Corporation and TruePosition	Postponed
GP-040226	CR 49.031-027 Correction of SCCP Connection Release between a BSC and SMLC (Rel 6)	Siemens	Approved
GP-040379	CR 49.031-028 Inclusion of ellipsoid point with altitude in BSSLAP-LE (Rel-4) – WITHDRAWN	Alcatel	Withdrawn
GP-040380	CR 49.031-029 Inclusion of ellipsoid point with altitude in BSSLAP-LE (Rel-5) - WITHDRAWN	Alcatel	Withdrawn
GP-040381	CR 49.031-030 Inclusion of ellipsoid point with altitude in BSSLAP-LE (Rel-6)	Alcatel	Revised
GP-040525	CR 49.031-030 rev 1 Inclusion of ellipsoid point with altitude in BSSLAP-LE (Rel-6)	Alcatel	Revised
GP-040534	CR 49.031-030 rev 2 Inclusion of ellipsoid point with altitude in BSSLAP-LE (Rel-6)	Alcatel	Approved
GP-040382	CR 49.031-031 Location Estimate in Perform Location Request (Rel-6)	Alcatel	Postponed
GP-040426	CR 49.031-032 Correction of behaviour of the Location Request procedure (Rel-4)	Vodafone	Postponed
GP-040427	CR 49.031-033 Correction of behaviour of the Location Request procedure (Rel-5)	Vodafone	Postponed
GP-040428	CR 49.031-034 Correction of behaviour of the Location Request procedure (Rel-6)	Vodafone	Postponed
GP-040400	CR 51.010-1-1955 rev 2 New test case: I_level reporting	Alcatel	Revised
GP-040455	CR 51.010-1-1955 rev 3 New test case: I_level reporting	Alcatel	Approved
GP-040005	CR 51.010-1-1958 53.1.1.7 - Correction to Expected Sequence	Setcom	Approved
GP-040006	CR 51.010-1-1959 53.1.1.9 - Step numbering corrections	Setcom	Approved
GP-040007	CR 51.010-1-1960 New NC2 testcases	Wavecom	Approved
GP-040011	CR 51.010-1-1961 42.4.2.3.1 Cell change order procedure / Simultaneous uplink and downlink transfer / Normal case	Setcom	Approved

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GP-040012	CR 51.010-1-1962 CR 51.010-1 Functional corrections for clauses 42.4.3.3 and 42.4.2.3.6	Setcom	Approved
GP-040013	CR 51.010-1-1963 CR 51.010-1 correction for clause 42.4.4.4 - Network Control measurement reporting / Idle mode / Reselection due to RA failure	Setcom	Approved
GP-040014	CR 51.010-1-1964 CR 51.010-1 Functional and editorial corrections for clause 42.4.5.9 - Network Assisted Cell Change / NC mode change / Packet Neighbour Cell Data	Setcom	Revised
GP-040460	CR 51.010-1-1964 rev 1 CR 51.010-1 Functional and editorial corrections for clause 42.4.5.9 - Network Assisted Cell Change / NC mode change / Packet Neighbour Cell Data	Setcom	Approved
GP-040015	CR 51.010-1-1965 CR 51.010-1 Functional corrections for clause 42.4.8.1.3 - NC2 and DRX / NC_NON_DRX_PERIOD / NC2 non-DRX mode period broadcast in PSI5	Setcom	Approved
GP-040016	CR 51.010-1-1966 CR 51.010-1 Functional corrections for clauses 42.4.8.1.2, 42.4.8.1.4, 42.4.8.1.5 and 42.4.8.1.6	Setcom	Approved
GP-040017	CR 51.010-1-1967 Functional corrections for clauses 42.4.8.1.1 - NC2 and DRX / NC_NON_DRX_PERIOD / Respect of NC2 non-DRX mode period	Setcom	Approved
GP-040018	CR 51.010-1-1968 45.5.1 – Error cases	Setcom	Revised
GP-040506	CR 51.010-1-1968 rev 1 45.5.1 - Error cases	Setcom	Revised
GP-040544	CR 51.010-1-1968 rev 2 45.5.1 - Error cases	Setcom	Approved
GP-040019	CR 51.010-1-1969 51.3.1.2 TBF Release / Uplink / Normal / MS initiated / Unacknowledged mode	Setcom	Approved
GP-040020	CR 51.010-1-1970 52.8.1.2 One phase access/ PBCCH present / CONTENTION_RESOLUTION_TLLI / Contention resolution / Counter N3104	Setcom	Approved
GP-040021	CR 51.010-1-1971 53.1.1.22 – wrong requirement check step 12	Setcom	Revised
GP-040470	CR 51.010-1-1971 rev 1 53.1.1.22 - wrong requirement check step 12	Setcom	Approved
GP-040024	CR 51.010-1-1972 CPS field setting, RLC test case 53.1.1.16	Infineon	Withdrawn
GP-040025	CR 51.010-1-1973 60 - Removal of inconsistencies in GSM to UTRAN handover tests.	Anite	Revised

Tdoc	Title	Source	Status
GP-040507	CR 51.010-1-1973 rev 1 60 - Removal of inconsistencies in GSM to UTRAN handover tests.	Anite	Approved
GP-040026	CR 51.010-1-1974 34.3 - Correction in verdict qualifiers in lines 26 and 28 during the 5th SMS-Cell Broadcast and promotion 51.010-3 to Release 5 - WITHDRAWN	Anite	Withdrawn
GP-040½	CR 51.010-1-1975 26.6.5.2.1 to 26.6.5.2.10 - correct TTCN handling of handover commands - WITHDRAWN	Anite	Withdrawn
GP-040028	CR 51.010-1-1976 - promote to Release 5 - WITHDRAWN	Anite	Withdrawn
GP-040029	CR 51.010-1-1977 41.2.3.11 - MS may make two-phase access	Anite	Revised
GP-040452	CR 51.010-1-1977 rev 1 41.2.3.11 - MS may make two-phase access	Anite	Revised
GP-040457	CR 51.010-1-1977 rev 2 41.2.3.11 - MS may make two-phase access	Anite	Approved
GP-040030	CR 51.010-1-1978 51.2.3.11 - MS may make two-phase access	Anite	Revised
GP-040453	CR 51.010-1-1978 rev 1 51.2.3.11 - MS may make two-phase access	Anite	Revised
GP-040458	CR 51.010-1-1978 rev 2 51.2.3.11 - MS may make two-phase access	Anite	Approved
GP-040031	CR 51.010-1-1979 46.2.2.4.3 - Clarify nature of XID parameter and response to UA message	Anite	Approved
GP-040032	CR 51.010-1-1980 20.22.3 - Extend time to allow MS to check levels of neighbour cells.	Anite	Withdrawn
GP-040033	CR 51.010-1-1981 44.2.1.2.2.3.2 - Correction to Specific message contents of Test procedure 2.	Anite	Approved
GP-040034	CR 51.010-1-1982 44.2.3.3.4 - Periodic routing area updating / no cell available	Anite	Revised
GP-040501	CR 51.010-1-1982 rev 1 44.2.3.3.4 - Periodic routing area updating / no cell available	Anite	Approved
GP-040035	CR 51.010-1-1983 46.1.2.3.2 46.1.2.2.1.5 - Handling of Mobile orignated PDP context deactivation due to LLC/SNDCP failure.	Anite	Withdrawn
GP-040036	CR 51.010-1-1984 53.1.1.3 - Editorial Correction to Specific message contents	Anite	Approved

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GP-040037	CR 51.010-1-1985 46.1.2.7.3 - Modification to the test sequence to handle the link release	Anite	Approved
GP-040038	CR 51.010-1-1986 41.2.3.11 - Changing the frequency of USF allocation to MS	Anite	Withdrawn
GP-040039	CR 51.010-1-1987 51.2.3.10 51.3.1.11 - Changing the frequency of USF allocation to MS	Anite	Revised
GP-040454	CR 51.010-1-1987 rev 1 51.2.3.10 51.3.1.11 - Changing the frequency of USF allocation to MS	Anite	Revised
GP-040459	CR 51.010-1-1987 rev 2 51.2.3.10 51.3.1.11 - Changing the frequency of USF allocation to MS	Anite	Approved
GP-040040	CR 51.010-1-1988 52.3.3.2.2 52.3.3.3 - Allocating USF in order to allow the Mobile to transmit Packet Resource Request.	Anite	Revised
GP-040462	CR 51.010-1-1988 rev 1 52.3.3.2.2 52.3.3.3 - Allocating USF in order to allow the Mobile to transmit Packet Resource Request.	Anite	Approved
GP-040041	CR 51.010-1-1989 42.3.3.2.2 42.3.3.3 - Allocating USF in order to allow the Mobile to transmit Packet Resource Request.	Anite	Revised
GP-040461	CR 51.010-1-1989 rev 1 42.3.3.2.2 42.3.3.3 - Allocating USF in order to allow the Mobile to transmit Packet Resource Request.	Anite	Approved
GP-040042	CR 51.010-1-1990 52.3.3.2.1 - Allocating USF in order to allow the Mobile to transmit Packet Resource Request and Changing the steps	Anite	Revised
GP-040464	CR 51.010-1-1990 rev 1 52.3.3.2.1 - Allocating USF in order to allow the Mobile to transmit Packet Resource Request and Changing the steps	Anite	Approved
GP-040043	CR 51.010-1-1991 42.3.3.2.1 - Allocating USF in order to allow the Mobile to transmit Packet Resource Request and Changing the the value of T3168 to 2.	Anite	Revised
GP-040463	CR 51.010-1-1991 rev 1 42.3.3.2.1 - Allocating USF in order to allow the Mobile to transmit Packet Resource Request and Changing the the value of T3168 to 2.	Anite	Approved
GP-040044	CR 51.010-1-1992 53.1.1.18 - Changing the number iterations at Step 29, 34,39 , 43 and 49	Anite	Withdrawn
GP-040045	CR 51.010-1-1993 41.2.7.1 - Changing the Description in the Step 3	Anite	Approved

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GP-040046	CR 51.010-1-1994 Correction to the timing requirement for the reselection	Sasken	Withdrawn
GP-040047	CR 51.010-1-1995 Correction to number of entries in BA(GPRS).	Sasken	Withdrawn
GP-040048	CR 51.010-1-1996 Changes in the timing requirement for the reselection.	Sasken	Withdrawn
GP-040049	CR 51.010-1-1997 Changes in Specific Message Contents For Mobiles Supporting Speech.	Sasken	Approved
GP-040050	CR 51.010-1-1998 Changes in the System Information default content.	Sasken	Approved
GP-040051	CR 51.010-1-1999 Correcting the wrongly given PACKET TIMESLOT RECONFIGURE in the 40.2.3.7	Sasken	Revised
GP-040456	CR 51.010-1-1999 rev 1 Correcting the wrongly given PACKET TIMESLOT RECONFIGURE in the 40.2.3.7	Sasken	Approved
GP-040052	CR 51.010-1-2000 Verification at step 7 is based on Release PICS	Sasken	Postponed
GP-040053	CR 51.010-1-2001 RLC Data Block needs to be polled to ensure MS doesn't respond.	Sasken	Approved
GP-040054	CR 51.010-1-2002 Timing requirement updates in step 9a and 9b.	Sasken	Withdrawn
GP-040056	CR 51.010-1-2003 Allowing MS to send PACKET CHANNEL REQUEST after 0.9*T3164	Sasken	Approved
GP-040057	CR 51.010-1-2004 Minor Changes in testcase	Sasken	Approved
GP-040058	CR 51.010-1-2005 Removing the wrongly used L/H notation in PACKET TIMESLOT RECONFIGURE default contents given in 42.3.4.	Sasken	Approved
GP-040059	CR 51.010-1-2006 Updates in step 13.	Sasken	Withdrawn
GP-040060	CR 51.010-1-2007 Updates in step 13.	Sasken	Withdrawn
GP-040061	CR 51.010-1-2008 Changes in the timing requirement given in step 4.	Sasken	Withdrawn
GP-040062	CR 51.010-1-2009 Changes in the reporting period used in the step 19 and deletion of steps 21-25.	Sasken	Approved
GP-040063	CR 51.010-1-2010 Increasing the READY TIMER value in 42.4.8.1.5 and 42.4.8.1.6.	Sasken	Revised
GP-040465	CR 51.010-1-2010 rev 1 Increasing the READY TIMER value in 42.4.8.1.5 and 42.4.8.1.6.	Sasken	Approved

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GP-040064	CR 51.010-1-2011 Modification to the test step 5.	Sasken	Approved
GP-040065	CR 51.010-1-2012 RLC Data Block needs to be polled to ensure MS doesn't respond.	Sasken	Approved
GP-040066	CR 51.010-1-2013 Addition of a note for setting USF=FREE in accordance with the settings of the BS_PRACH_BLKS.	Sasken	Approved
GP-040067	CR 51.010-1-2014 Allowing MS to send PACKET CHANNEL REQUEST after 0.9*T3164.	Sasken	Approved
GP-040069	CR 51.010-1-2015 Correcting the wrongly used L/H notation in PACKET TIMESLOT RECONFIGURE default contents given in 52.3.4.	Sasken	Approved
GP-040070	CR 51.010-1-2016 Correcting the specific message content for PACKET TIMESLOT RECONFIGURE.	Sasken	Approved
GP-040071	CR 51.010-1-2017 Addition of new NC2 testcases to 42.4.8.4	Sasken	Revised
GP-040243	CR 51.010-1-2017 rev 1 Addition of new NC2 testcases to 42.4.8.4	Sasken	Revised
GP-040505	CR 51.010-1-2017 rev 2 Addition of new NC2 testcases to 42.4.8.4	Sasken	Approved
GP-040073	CR 51.010-1-2018 Correction to GMM test case 44.2.3.2.5.3.1	Ericsson	Approved
GP-040074	CR 51.010-1-2019 Correction to test case 46.1.2.2.1.5	Ericsson	Approved
GP-040075	CR 51.010-1-2020 Correction to test case 46.2.2.4.1	Ericsson	Approved
GP-040076	CR 51.010-1-2021 PICS/PIXIT missing for Extended Uplink TBF	Ericsson	Approved
GP-040077	CR 51.010-1-2022 Addition of TC's for Extended Uplink TBF for EGPRS	Ericsson	Revised
GP-040475	CR 51.010-1-2022 rev 1 Addition of TC's for Extended Uplink TBF for EGPRS	Ericsson	Approved
GP-040078	CR 51.010-1-2023 PICS/PIXIT missing for Extended Uplink TBF	Ericsson	Withdrawn
GP-040079	CR 51.010-1-2024 Addition of TC: Intersystem Cell Reselection/Idle Mode/FDD_Qmin	Ericsson	Revised
GP-040479	CR 51.010-1-2024 rev 1 Addition of TC: Intersystem Cell Reselection/Idle Mode/FDD_Qmin	Ericsson	Approved

Tdoc	Title	Source	Status
GP-040080	CR 51.010-1-2025 Addition of TC: Intersystem Cell Reselection/Idle Mode/FDD_Qoffset	Ericsson	Revised
GP-040480	CR 51.010-1-2025 rev 1 Addition of TC: Intersystem Cell Reselection/Idle Mode/FDD_Qoffset	Ericsson	Approved
GP-040081	CR 51.010-1-2026 Addition of TC: Intersystem Cell Reselection/Idle Mode/Qsearch_I	Ericsson	Revised
GP-040493	CR 51.010-1-2026 rev 1 Addition of TC: Intersystem Cell Reselection/Idle Mode/Qsearch_I	Ericsson	Approved
GP-040082	CR 51.010-1-2027 Correction to test case 60.4	Ericsson	Withdrawn
GP-040083	CR 51.010-1-2028 Correction to test case 60.6	Ericsson	Withdrawn
GP-040085	CR 51.010-1-2029 Correction to test case 20.22.3	Ericsson	Revised
GP-040494	CR 51.010-1-2029 rev 1 Correction to test case 20.22.3	Ericsson	Approved
GP-040086	CR 51.010-1-2030 Essential corrections to 27.20 "SIM presence detection test case"	Ericsson	Approved
GP-040134	CR 51.010-1-2031 Removal of AMR C/I tests from section 26.16	Racal Instruments, Ericsson, Nokia, Siemens	Revised
GP-040503	CR 51.010-1-2031 rev 1 Removal of AMR C/I tests from section 26.16	Racal Instruments, Ericsson, Nokia, Siemens	Approved
GP-040136	CR 51.010-1-2032 New section 20 NC2 test cases	Racal Instruments	Revised
GP-040495	CR 51.010-1-2032 rev 1 New section 20 NC2 test cases	Racal Instruments	Approved
GP-040138	CR 51.010-1-2033 Correction to test case 20.22.19	Ericsson	Withdrawn
GP-040149	CR 51.010-1-2034 Allowing for more than one PACKET UPLINK DUMMY CONTROL BLOCK in step 9 for clause 41.3.6.2 - TBF Release / Extended Uplink / Recalculation of CV after CV = 0.	Nokia	Approved
GP-040150	CR 51.010-1-2035 Correction of Initial Conditions and Expected Sequence for clause 42.4.5.5 - Network Assisted Cell Change / Expiry of T3208 and T3210.	Nokia	Approved
GP-040151	CR 51.010-1-2036 Correction of Specific Message Content for clause 42.4.5.9 - Network Assisted Cell Change / NC mode change / Packet Neighbour Cell Data.	Nokia	Approved
GP-040152	CR 51.010-1-2037 Adding of new PICS statement for 7 SM test cases in clauses 45.x.	Nokia	Approved

Tdoc	Title	Source	Status
GP-040153	CR 51.010-1-2038 Correction of Wait time in step 5 for clause 52.1.1.7 - Packet Channel Request / EGPRS Packet Channel Request	Nokia	Approved
GP-040154	CR 51.010-1-2039 Correction to persistence level setting for clause 52.1.1.6.2 - Packet Channel Request / Access persistence control on PRACH / Persistence level.	Nokia	Approved
GP-040162	CR 51.010-1-2040 TC 14.10.1, 14.10.2: Performance of the Codec Mode Request Generation for Adaptive Multi-Rate Codecs	Siemens AG	Approved
GP-040055	CR 51.010-1-2041 Addition of a note for setting USF=FREE in accordance with the settings of the BS_PRACH_BLKS.	Sasken	Approved
GP-040068	CR 51.010-1-2042 Minor Changes in testcase 52.1.2.2.5.1	Sasken	Approved
GP-040169	CR 51.010-1-2043 section 45.3.3.2 Incorrect TI flags	Rohde & Schwarz	Approved
GP-040170	CR 51.010-1-2044 Section 51.3.* Consideration of HSCSD/GPRS/EGPRS splitted Multislot Classes	Rohde & Schwarz	Approved
GP-040171	CR 51.010-1-2045 Section 52.* Consideration of HSCSD/GPRS/EGPRS splitted Multislot Classes and applicability corrected	Rohde & Schwarz	Approved
GP-040172	CR 51.010-1-2046 Section 52.1.2.2.5.1 Consideration of HSCSD/GPRS/EGPRS splitted Multislot Classes and applicability corrected	Rohde & Schwarz	Approved
GP-040173	CR 51.010-1-2047 Section 53.1.1.9 Correction of test procedure	Rohde & Schwarz	Withdrawn
GP-040174	CR 51.010-1-2048 Section 53.1.1.13 Correction of test procedure	Rohde & Schwarz	Withdrawn
GP-040175	CR 51.010-1-2049 Section 53.1.1.18 Amount of data to be sent dependant on MCS used	Rohde & Schwarz	Approved
GP-040182	CR 51.010-1-2050 Correction of Step 7 for clause 42.4.5.7 - Network Assisted Cell Change / CCN not supported towards target cell	Nokia	Approved
GP-040203	CR 51.010-1-2051 52.3.1.2.3 - Dynamic Allocation / Uplink Transfer / Abnormal / with cell reselection in unacknowledged mode	Setcom	Approved
GP-040204	CR 51.010-1-2052 42.3.1.2.3 - Dynamic Allocation / Uplink Transfer / Abnormal / with cell reselection in unacknowledged mode	Setcom	Approved
GP-040238	CR 51.010-1-2053 Correction to GMM test case 44.2.3.2.2	Nokia	Approved

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GP-040239	CR 51.010-1-2054 Correction to test cases 34.2.2 and 34.4.2.	Nokia	Approved
GP-040240	CR 51.010-1-2055 Section 11.1 Correction for R99 compliance	Rohde & Schwarz	Approved
GP-040241	CR 51.010-1-2056 Section 42.4.2.3.4 and 42.4.2.3.5 Corrections to Test procedure	Rohde & Schwarz	Approved
GP-040242	CR 51.010-1-2057 Section 42.4.8.* Corrections of SI2quater_COUNT value	Rohde & Schwarz	Approved
GP-040244	CR 51.010-1-2058 Section 13.7 Reduction of maximum output power in a multislot configuration for R99 and later is not considered correctly	Rohde & Schwarz	Approved
GP-040245	CR 51.010-1-2059 Section 13.16.2 Reduction of maximum output power in a multislot configuration for R99 and later is not considered correctly	Rohde & Schwarz	Approved
GP-040246	CR 51.010-1-2060 Section 14.18.1 BCS corruption to be tested under static conditions	Rohde & Schwarz	Revised
GP-040511	CR 51.010-1-2060 rev 1 Section 14.18.1 BCS corruption to be tested under static conditions	Rohde & Schwarz	Approved
GP-040247	CR 51.010-1-2061 Section 14.18.5 Introduction of Statistical Testing	Rohde & Schwarz	Approved
GP-040248	CR 51.010-1-2062 Section 20.22.10 Cell Selection- Search for Suitable Cell/ cell priority	Rohde & Schwarz	Approved
GP-040249	CR 51.010-1-2063 Section 20.22.13 Cell Reselection based on C32 quality	Rohde & Schwarz	Approved
GP-040250	CR 51.010-1-2064 Section 20.22.15 Cell Reselection/ ready state/ no reselection	Rohde & Schwarz	Revised
GP-040498	CR 51.010-1-2064 rev 1 Section 20.22.15 Cell Reselection/ ready state/ no reselection	Rohde & Schwarz	Approved
GP-040251	CR 51.010-1-2065 Section 20.22.16 Cell Reselection/ ready state/ Reselection and Cell update procedure	Rohde & Schwarz	Approved
GP-040252	CR 51.010-1-2066 Section 20.22.17 C2 reselection in another RA - no cell reselection	Rohde & Schwarz	Approved
GP-040253	CR 51.010-1-2067 Section 20.22.18 C2 reselection in another Routing Area - Routing Area Update	Rohde & Schwarz	Approved
GP-040254	CR 51.010-1-2068 Section 20.22.19 Borders between routing areas - reselection of a GPRS cell in a homogenous network	Rohde & Schwarz	Revised

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GP-040497	CR 51.010-1-2068 rev 1 Section 20.22.19 Borders between routing areas - reselection of a GPRS cell in a homogenous network	Rohde & Schwarz	Approved
GP-040255	CR 51.010-1-2069 Section 20.22.20 Cell Reselection based on C32 – Cell Reselection on CCCH - PBCCH not present	Rohde & Schwarz	Revised
GP-040510	CR 51.010-1-2069 rev 1 Section 20.22.20 Cell Reselection based on C32 - Cell Reselection on CCCH - PBCCH not present	Rohde & Schwarz	Approved
GP-040256	CR 51.010-1-2070 Section 20.22.21 Removal of test case	Rohde & Schwarz	Approved
GP-040257	CR 51.010-1-2071 Section 20.22.22 Cell Reselection with cells in different Routing area - Cell Reselection on CCCH - PBCCH not present	Rohde & Schwarz	Approved
GP-040258	CR 51.010-1-2072 Section 20.22.23 Cell Reselection based on C32 – Cell Reselection on CCCH - PBCCH not present	Rohde & Schwarz	Approved
GP-040259	CR 51.010-1-2073 Section 20.22.24 Cell Reselection based on C32/ cell of same priority/ Cell Reselection on CCCH - PBCCH not present	Rohde & Schwarz	Approved
GP-040260	CR 51.010-1-2074 Section 20.22.25 Cell Reselection based on C32/C31<0/ Cell Reselection on CCCH - PBCCH not present	Rohde & Schwarz	Revised
GP-040499	CR 51.010-1-2074 rev 1 Section 20.22.25 Cell Reselection based on C32/C31<0/ Cell Reselection on CCCH - PBCCH not present	Rohde & Schwarz	Approved
GP-040261	CR 51.010-1-2075 Section 20.22.26 Cell reselection based on C32 quality/ Cell Reselection on CCCH - PBCCH not present	Rohde & Schwarz	Approved
GP-040262	CR 51.010-1-2076 Section 20.22.28 Cell Reselection/ no suitable cell found/ cell selection	Rohde & Schwarz	Revised
GP-040500	CR 51.010-1-2076 rev 1 Section 20.22.28 Cell Reselection/ no suitable cell found/ cell selection	Rohde & Schwarz	Approved
GP-040263	CR 51.010-1-2077 Section 21.3.3 Signal quality under static conditions - TCH/AFS	Rohde & Schwarz	Withdrawn
GP-040264	CR 51.010-1-2078 Section 21.3.4 Signal quality under static conditions - TCH/AHS	Rohde & Schwarz	Withdrawn
GP-040265	CR 51.010-1-2079 section 26.16.11 Multirate configurations needed in specific message contents. M = 2 sequence not needed when K = 1.	Rohde & Schwarz	Approved

Tdoc	Title	Source	Status
GP-040266	CR 51.010-1-2080 section 26.16.9.11 Correction of Test Procedure	Rohde & Schwarz	Approved
GP-040267	CR 51.010-1-2081 section 26.16.9.12 Correction of Test Procedure	Rohde & Schwarz	Approved
GP-040268	CR 51.010-1-2082 Section 34.1 GPRS default conditions for 34.4 (SMS over GPRS)	Rohde & Schwarz	Approved
GP-040269	CR 51.010-1-2083 Section 41.3.* Consideration of HSCSD/GPRS/EGPRS splitted Multislot Classes	Rohde & Schwarz	Approved
GP-040270	CR 51.010-1-2084 Section 42.* Consideration of HSCSD/GPRS/EGPRS splitted Multislot Classes	Rohde & Schwarz	Approved
GP-040271	CR 51.010-1-2085 Section 42.1.2.2.5.1 Consideration of HSCSD/GPRS/EGPRS splitted Multislot Classes and applicability corrected	Rohde & Schwarz	Approved
GP-040272	CR 51.010-1-2086 Section 42.4.2.3.3 Setting CTRL_ACK_TYPE = 0 in the Initial Conditions	Rohde & Schwarz	Withdrawn
GP-040273	CR 51.010-1-2087 Section 42.8.5 Incorrect step number reference in Expected Sequence	Rohde & Schwarz	Approved
GP-040274	CR 51.010-1-2088 Section 44.2.3.3.3 Value of TMSI status IE has been re-added.	Rohde & Schwarz	Withdrawn
GP-040275	CR 51.010-1-2089 Section 44.2.8.2 Test case should be deleted as it is redundant because exactly the same test is available in 47.3.2.1	Rohde & Schwarz	Approved
GP-040277	CR 51.010-1-2090 Correction to EGPRS RLC test case 52.8.1.1	Motorola	Approved
GP-040278	CR 51.010-1-2091 Correction to EGPRS RLC test case 52.8.1.6	Motorola	Approved
GP-040402	CR 51.010-1-2092 New test case: Coding Scheme adaptation while MS in extended Uplink mode	Alcatel	Revised
GP-040477	CR 51.010-1-2092 rev 1 New test case: Coding Scheme adaptation while MS in extended Uplink mode	Alcatel	Revised
GP-040514	CR 51.010-1-2092 rev 2 New test case: Coding Scheme adaptation while MS in extended Uplink mode	Alcatel	Approved
GP-040403	CR 51.010-1-2093 New test case: Modulation and Coding Scheme adaptation while MS in extended Uplink mode	Alcatel	Revised
GP-040478	CR 51.010-1-2093 rev 1New test case: Modulation and Coding Scheme adaptation while MS in extended Uplink mode	Alcatel	Revised

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GP-040515	CR 51.010-1-2093 rev 2 New test case: Modulation and Coding Scheme adaptation while MS in extended Uplink mode	Alcatel	Revised
GP-040545	CR 51.010-1-2093 rev 3 New test case: Modulation and Coding Scheme adaptation while MS in extended Uplink mode	Alcatel	Approved
GP-040468	CR 51.010-1-2094 45.0 R99 Applicabilty restriction for three test cases	Rohde & Schwarz	Revised
GP-040512	CR 51.010-1-2094 rev 1 45.0 R99 Applicabilty restriction for three test cases	Rohde & Schwarz	Approved
GP-040547	CR 51.010-1-2095 44.2.3.2.5 Correction to expected sequence of test procedure 1	Setcom	Withdrawn
GP-040008	CR 51.010-2-155 New NC2 testcases (Part 2)	Wavecom	Approved
GP-040072	CR 51.010-2-156 New NC2 testcases added in section 42.4.8.4	Sasken	Approved
GP-040084	CR 51.010-2-157 Addition of test cases for Intersystem Change	Ericsson	Revised
GP-040509	CR 51.010-2-157 rev 1 Addition of test cases for Intersystem Change	Ericsson	Approved
GP-040135	CR 51.010-2-158 Removal of AMR C/I tests from section 26.16	Racal Instruments, Ericsson, Nokia, Siemens	Revised
GP-040504	CR 51.010-2-158 rev 1 Removal of AMR C/I tests from section 26.16	Racal Instruments, Ericsson, Nokia, Siemens	Approved
GP-040137	CR 51.010-2-159 New section 20 NC2 test cases	Racal Instruments	Revised
GP-040496	CR 51.010-2-159 rev 1 New section 20 NC2 test cases	Racal Instruments	Approved
GP-040148	CR 51.010-2-160 Correction of applicability for clauses 20.22.30.x.	Nokia	Approved
GP-040155	CR 51.010-2-161 Change of applicability of 7 SM test cases in clauses 45.x.	Nokia	Approved
GP-040176	CR 51.010-2-162 Removal of test cases 20.22.21 and 44.2.8.2	Rohde & Schwarz	Approved
GP-040202	CR 51.010-2-163 PICS/PIXIT missing for Extended Uplink TBF	Ericsson	Approved

Tdoc	Title	Source	Status
GP-040502	CR 51.010-2-164 New TC High Level Reporting and coding scheme adaptation while MS in extended uplink mode	Alcatel	Revised
GP-040543	CR 51.010-2-164 rev 1 New TC High Level Reporting and coding scheme adaptation while MS in extended uplink mode	Alcatel	Revised
GP-040546	CR 51.010-2-164 rev 2 New TC High Level Reporting and coding scheme adaptation while MS in extended uplink mode	Alcatel	Revised
GP-040548	CR 51.010-2-164 rev 3 New TC High Level Reporting and coding scheme adaptation while MS in extended uplink mode	Alcatel	Approved
GP-040469	CR 51.010-2-165 45.0 R99 Applicabilty restriction for three test cases	Rohde & Schwarz	Revised
GP-040513	CR 51.010-2-165 rev 1 45.0 R99 Applicabilty restriction for three test cases	Rohde & Schwarz	Approved
GP-040235	CR 51.010-3-018 34.3 - Correction in verdict qualifiers in lines 26 and 28 during the 5th SMS-Cell Broadcast and promotion 51.010-3 to Release 5	Anite	Revised
GP-040451	CR 51.010-3-018 rev 1 34.3 - Correction in verdict qualifiers in lines 26 and 28 during the 5th SMS-Cell Broadcast and promotion 51.010-3 to Release 5	Anite	Approved
GP-040236	CR 51.010-3-019 26.6.5.2.1 to 26.6.5.2.10 - correct TTCN handling of handover commands	Anite	Approved
GP-040237	CR 51.010-3-020 - promote to Release 5	Anite	Approved
GP-040405	CR 51.010-3-021 Upgrade in TTCN to support R99 core specifications	Anite	Approved