TSG GERAN
TSG SA#22

TSG GERAN Report to TSG-SA#22

TSG-GERAN Chairman
Niels Peter Skov Andersen
Motorola

Tdoc SP-030737

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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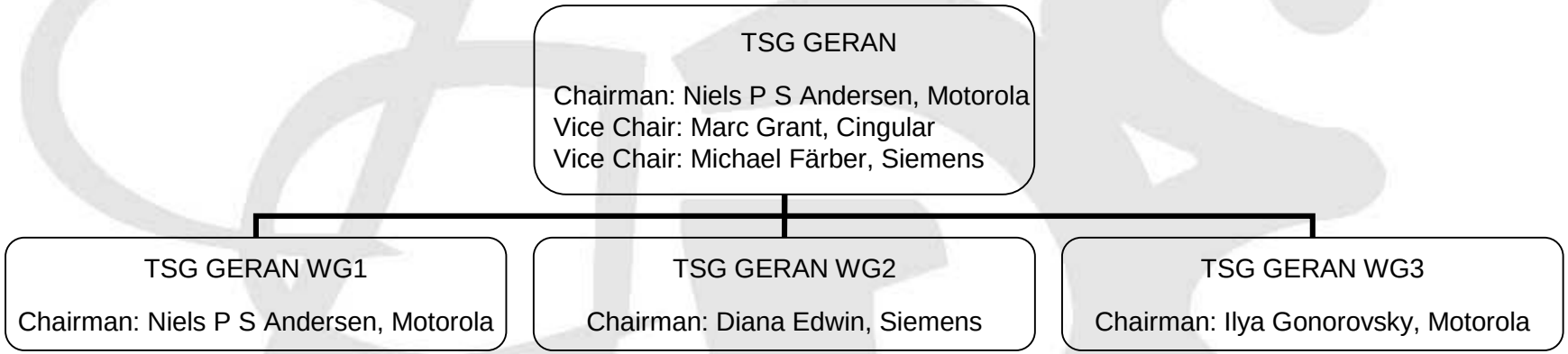

Organisation of TSG GERAN (2/4)

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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)

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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**

Pre-Release 5

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- **Padding for MCS-8 retransmissions**
- **Improved "Delayed Uplink TBF Release“**
  - **Reduction on the latency**
  - **Concerns about battery power consumption**
- **Clarification of NC measurement reporting for the case of dedicated connections**

Release 5

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- Few CRs on Iu mode
- CRRM
  - Alignment with RANAP
- RIM / NACC
  - CRs reviewed but postponed
  - Two evening sessions: good progress
- Addition of selection at channel release postponed
- PDP Context preservation

Release 6: Multiple TBFs for A/Gb

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- **Interactions with DTM completed**
- **MS behaviour on reception of assignment messages**
- **Abnormal cases and abnormal release**

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

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- Discussion over joint meeting outcome
- TMGI
  - Requirements: short and unique
- MBMS terminology
- Notification requirements
  - Added to the stage 2
- Channel coding: Agreement on re-use of existing GPRS/EGPRS coding schemes

Streaming

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

U-TDOA

- **CS domain**
  - **Small correction to 43.059**
- **PS domain**
  - **No activity**

2G PS Conversational

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- **PS handover**
  - **Handover principles clarified and agreed**
  - **Bi-casting vs packet forwarding**
- **Alternative proposal for handover**
  - **Very similar on the network side**
  - **NC-2 like on the radio**
  - **Concerns on size limitations of the PCCO**
- **Skeleton for stage 2 created**

PS interruption in DTM

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- **WI created**
- **One contribution on use cases and requirements**
  - **Use cases to be validated**
  - **No hard requirements from background/interactive**

TEI 6

- Rules for handling PFC procedures
- DTM procedure description
- LCS QoS Class postponed
- PFI change procedure
  - Concerns raised about starvation of low priority flows
- Uplink access burst defined

TEI 6

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- CPS field in MCS-3 blocks for MCS-8 retransmissions
- Handover when service not supported in GERAN
- Storage of the last location estimate in the BSS
- Proposal for Cell-Selection redirection at connection termination

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**
- **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, and will be included in the Work-Plan by the next GERAN Meeting.**

Status summary:

- **Analysed R97 GPRS test cases: 327**
- **Ok: 322**
- **Under investigation: 5**

Testing – GPRS R99

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Outstanding actions:

- **To conclude the alignment (if possible) for the last 5 test cases by the next GERAN Meeting.**
- **The foregoing information is being sent to the GCF as well as PTCRB**

Testing of NC2

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Summary after GERAN #17

- **Phase 1 / Step 1: 13 of 17 planned test cases available**
- **Phase 1 / Step 2: 12 test cases available. Additional test cases to be identified**
- **New Activities**
  - **Update of existing NC2 test cases according to latest core specification changes**
  - **Identify new R99 NC2 areas**
  - **Phase 2 priorities to be set up by operators**

Testing – PTCRB test cases

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- **A number of a new Test Cases were presented and agreed:**
  - **TTY**
  - **PLMN Selection/Reselection**
- **The Work Plan has been updated and a number of action points identified**
- **An LS providing information about the status of the work send to PTCRB**

Testing – GSM to 3G handover (TTCN)

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- **The WG3 has discussed and agreed to create the approval process of GERAN to UTRAN Inter-RAT Handover TTCN test cases, developed based on the TS 51.010 specifications**
- **The process will be similar as at TSG T WG1**
- **The GERAN WG3 is intending to be ready to approve TTCN as soon as verified test cases are available.**
-

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

TSG GERAN
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TSG GERAN #18	**2-6 February 2004,**	**Reykjavik**
TSG GERAN #19	**19-23 April 2004,**	**Mexico**
TSG GERAN #20	**21-25 June 2004,**	**Bilbao, Spain**
TSG GERAN #21	**23-27 August 2004**	
TSG GERAN #22	**8-12 November 2004**	

TSG GERAN WG2#17bis	**12-16 January,**	**Edinburgh**
TSG GERAN WG2#18bis	**22-26 January,**	**Phoenix**

Extract of GERAN work programme and list of CR handled at TSG GERAN #17 are attached to this report

Workplan for TSG GERAN after TSG GERAN #17

Open Work item status and approval time frame

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%		January 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	90%	April 2002	February 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	February 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 2003	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%		November 2003	Not started
	GERAN BTS Conformance test for Enhanced Power Control GP-012751	• BTS test	0%		November 2003	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%		November 2003	
	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%		November 2003	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 99/99/4) • Develop LCS BTS test cases	0%		November 2003	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	February 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)	Creation of a Technical Report (SCSAGB-TR) GP-030444	• Technical Report	100%	Feb 2003	November 2003	Started

GP-030443	Stage 2 (SCSAGB-Stage2) GP-030445	• PS handover • SNDCP/LLC compression • Definition of radio resource management functionality • Modifications to FLO • Radio channel support	5%	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	5%	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	0%	February 2004	June 2004	Not started

	ARP for GPRS and EGPRS MCS1-MCS4 GP-032822	Performance Requirements in 45.005 Radio subsystem link control in 45.008	0%	February 2004	June 2004	Not started
	ARP Capability signalling GP-032823	Modification of 24.008 for signalling of MS ARP capability	5%	November 2003	April 2004	Started
	GERAN MS Conformance test for ARP GP-032824	MS Test in 51.010	0%	August 2004	November 2004	Not 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	5%	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.	0%	November 2003	April 2004	Not 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.	0%	April 2004	June 2004	Not 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 16
Budapest, Hungary
18 – 20 November 2003

List of change requests presented to TSG GERAN#17 and their status

Tdoc	Title	Source	Status
GP-032633	CR 04.18-A277 Correction on Dedicated Mode or TBF Information Element format (Recover from v8.16.0) (R99)	Motorola	Revised
GP-032686	CR 04.18-A277 rev 1 Correction on Dedicated Mode or TBF Information Element format (Recover from v8.16.0) (R99)	Motorola	Approved
GP-032519	CR 04.60-B127 Correction to NC reporting before GSM Neighbour Cell List is acquired (R99)	Nokia	Revised
GP-032682	CR 04.60-B127 rev 1 Correction to NC reporting before GSM Neighbour Cell List is acquired (R99)	Nokia	Approved
GP-032634	CR 04.60-B128 Padding for MCS-8 retransmissions (R99)	Motorola	Postponed
GP-032553	CR 05.01-A036 Correction due to change of DTM core capability (R99)	Ericsson	Approved
GP-032525	CR 05.08-A376 Correction of applicability of NC measurement reporting parameters in context with dedicated mode connections (R99)	Nokia	Revised
GP-032763	CR 05.08-A376 rev 1 Correction of applicability of NC measurement reporting parameters in context with dedicated mode connections (R99)	Nokia	Approved
GP-032467	CR 21.905-DRAFT Acronyms for the Flexible Layer One (Rel-6)	Nokia	NA
GP-032770	CR 21.905-DRAFT Acronyms for the Flexible Layer One (Rel-6)	Nokia	NA
GP-032641	CR 29.002-xxx Inclusion of ellipsoid point with altitude in MAP (Rel 6)	Alcatel	NA
GP-032596	CR 43.051-053 rev 1 Introduction of Flexible Layer One (Rel 6)	Nokia	Revised
GP-032771	CR 43.051-053 rev 2 Introduction of Flexible Layer One (Rel 6)	Nokia	Revised

Tdoc	Title	Source	Status
GP-032703	CR 43.051-053 rev 3 Introduction of Flexible Layer One (Rel-6) (Rel-6)	Nokia	Revised
GP-032712	CR 43.051-053 rev 4 Introduction of Flexible Layer One (Rel-6) (Rel-6)	Nokia	Revised
GP-032805	CR 43.051-053 rev 5 Introduction of Flexible Layer One (Rel-6)	Nokia	Approved
GP-032573	CR 43.055-011 Introducing MTBF Support (Rel 6)	Ericsson	Revised
GP-032697	CR 43.055-011 rev 1 Introducing MTBF Support (Rel-6) (Rel-6)	Ericsson	Approved
GP-032501	CR 43.059-042 Adding Channel Mode Modify RR procedure to the U-TDOA process (Rel-6).	Andrew Corporation, TruePosition	Approved
GP-032469	CR 44.004-008 Incorrect incorporation of CR 007 (Rel 5)	Siemens	Approved
GP-032464	CR 44.004-009 Flexible Layer One (Rel-6)	Nokia	Revised
GP-032772	CR 44.004-009 rev 1 Flexible Layer One (Rel-6)	Nokia	Revised
GP-032709	CR 44.004-009 rev 2 Flexible Layer One (Rel-6)	Nokia	Approved
GP-032628	CR 44.004-010 Definition of "RACH uplink / Uplink access burst" block format (Rel 6)	Nortel Networks	Revised
GP-032800	CR 44.004-010 rev 1 RACH uplink / Uplink access burst" block format (Rel-6)	Nortel Networks	Approved
GP-032572	CR 44.018-283 rev 1 Network Indication of MTBF Support (Rel 6)	Ericsson	Revised
GP-032698	CR 44.018-283 rev 2 Network Indication of MTBF Support (Rel-6)	Ericsson	Approved
GP-032655	CR 44.018-284 rev 2 Addition of multiple TBF procedures to Immediate Assignment and DTM assignment and DTM request messages (Rel-6)	Siemens, Ericsson	Revised
GP-032509	CR 44.018-284 rev 3 Addition of multiple TBF procedures to Immediate Assignment, DTM assignment and DTM Request messages (was G2-030567) (Rel 6)	Siemens	Revised
GP-032699	CR 44.018-284 rev 4 Addition of multiple TBF procedures to Immediate Assignment, DTM assignment and DTM Request messages (Rel-6)	Siemens	Approved
GP-032373	CR 44.018-285 Re-instating sub-clause 10.5.2.5 Channel Description	MCC	Approved
GP-032478	CR 44.018-286 Addition of “Cell selection indicator after release of all TCH and SDCCH” to CHANNEL RELEASE message (Rel 5)	T-Mobile	Rejected

Tdoc	Title	Source	Status
GP-032517	CR 44.018-287 Addition of “Cell selection indicator after release of all TCH and SDCCH” to CHANNEL RELEASE message (Rel 6)	T-Mobile	Revised
GP-032799	CR 44.018-287 rev 1 Addition of "cell selection indication for cell selection at release of TCH or SDCCH (Rel-6)	T-Mobile	Postponed
GP-032544	CR 44.018-288 Alignment of DTM procedure description to Error handling definition (Rel 6)	Siemens AG	Revised
GP-032798	CR 44.018-288 rev 1 Alignment of DTM procedure description to Error handling definition (Rel-6)	Siemens AG	Approved
GP-032574	CR 44.031-076 Clarification of fields used for MS assisted A-GPS (R99)	Ericsson	Postponed
GP-032575	CR 44.031-077 Clarification of fields used for MS assisted A-GPS (Rel-4)	Ericsson	Postponed
GP-032576	CR 44.031-078 Clarification of fields used for MS assisted A-GPS (Rel-5)	Ericsson	Postponed
GP-032577	CR 44.031-079 Clarification of fields used for MS assisted A-GPS (Rel-6)	Ericsson	Postponed
GP-032564	CR 44.060-434 rev 2 Combination of Extended Dynamic Allocation and USF_GRANULARITY=4 (Rel-6)	Ericsson, Nortel, Alcatel	Approved
GP-032541	CR 44.060-435 rev 1 Corrections to the MTBF changes in section 8 (Rel 6)	Siemens AG	Withdrawn
GP-032542	CR 44.060-436 rev 1 Correction to the MTBF abnormal release (Rel 6)	Siemens AG	Revised
GP-032716	CR 44.060-436 rev 2 Correction to the MTBF abnormal release (Rel-6)	Siemens AG	Revised
GP-032804	CR 44.060-436 rev 3 Correction to the MTBF abnormal release (Rel-6)	Siemens AG	Approved
GP-032656	CR 44.060-438 rev 2 Correction of the handling PSI messages while in dual transfer mode (Rel-6)	Nokia	Approved
GP-032657	CR 44.060-441 Establishment of downlink TBF after downlink TBF release, abnormal cases (Rel-6)	Siemens AG	Approved
GP-032658	CR 44.060-442 Correction to (EGPRS) Packet Downlink Ack/Nack for multiple TBFs in A/Gb mode (Rel-6)	Siemens	Approved
GP-032659	CR 44.060-443 rev 1 Network Indication of MTBF Support (Rel-6)	Ericsson	Approved

Tdoc	Title	Source	Status
GP-032506	CR 44.060-444 Correction to recursive CSN.1 coding for multiple TBF uplink/downlink assignment messages (Rel 5)	Siemens	Approved
GP-032507	CR 44.060-445 Correction to recursive CSN.1 coding for multiple TBF uplink/downlink assignment messages (Rel 6)	Siemens	Approved
GP-032508	CR 44.060-446 Minor corrections to multiple TBF assignment message coding (Rel 6)	Siemens	Revised
GP-032700	CR 44.060-446 rev 1 Minor corrections to multiple TBF assignment message coding (Rel-6)	Siemens	Approved
GP-032520	CR 44.060-447 Correction to NC reporting before GSM Neighbour Cell List is acquired (Rel-4)	Nokia	Revised
GP-032683	CR 44.060-447 rev 1 Correction to NC reporting before GSM Neighbour Cell List is acquired (Rel-4)	Nokia	Approved
GP-032521	CR 44.060-448 Correction to NC reporting before GSM Neighbour Cell List is acquired (Rel-5)	Nokia	Revised
GP-032684	CR 44.060-448 rev 1 Correction to NC reporting before GSM Neighbour Cell List is acquired (Rel-5)	Nokia	Approved
GP-032522	CR 44.060-449 Correction to NC reporting before GSM Neighbour Cell List is acquired (Rel-6)	Nokia	Revised
GP-032685	CR 44.060-449 rev 1 Correction to NC reporting before GSM Neighbour Cell List is acquired (Rel-6)	Nokia	Approved
GP-032523	CR 44.060-450 : Addition of rules for handling PFC procedures in RLC/MAC in case PFI values are not excplicitly allocated for the MS (Rel-6)	Nokia	Revised
GP-032797	CR 44.060-450 rev 1 Addition of rules for handling PFC procedures in RLC/MAC in case PFI values are not excplicitly allocated for the MS (Rel-6)	Nokia	Approved
GP-032543	CR 44.060-451 MS behaviour on reception of assignment messages (Rel 6)	Siemens AG	Revised
GP-032717	CR 44.060-451 rev 1 MS behaviour on reception of assignment messages (Rel-6)	Siemens AG	Revised
GP-032802	CR 44.060-451 rev 2 MS behaviour on reception of assignment messages (Rel-6)	Siemens AG	Approved
GP-032558	CR 44.060-452 Improved "Delayed Uplink TBF Release" (Rel-4)	Ericsson	Postponed
GP-032559	CR 44.060-453 Improved "Delayed Uplink TBF Release" (Rel-5)	Ericsson	Postponed

Tdoc	Title	Source	Status
GP-032560	CR 44.060-454 Improved "Delayed Uplink TBF Release" (Rel-6)	Ericsson	Postponed
GP-032561	CR 44.060-455 Correction of faulty mirror CR (Rel-4)	Ericsson	Approved
GP-032562	CR 44.060-456 Correction of faulty mirror CR (Rel-5)	Ericsson	Approved
GP-032563	CR 44.060-457 Correction of faulty mirror CR (Rel-6)	Ericsson	Approved
GP-032571	CR 44.060-458 Introduction of multiple TBFs into section 8 (Rel 6)	Ericsson	Revised
GP-032715	CR 44.060-458 rev 1 Introduction of multiple TBFs into section 8 (Rel-6)	Ericsson	Revised
GP-032803	CR 44.060-458 rev 2 Introduction of multiple TBFs into section 8 (Rel-6)	Ericsson	Approved
GP-032598	CR 44.060-459 Packet Ack/Nack messages for Flexible Layer One (Rel 6)	Nokia	Revised
GP-032706	CR 44.060-459 rev 1 Packet Ack/Nack messages for Flexible Layer One (Rel-6)	Nokia	Revised
GP-032807	CR 44.060-459 rev 2 Packet Ack/Nack messages for Flexible Layer One (Rel-6)	Nokia	Approved
GP-032627	CR 44.060-460 Clarification on the Packet Flow Identifier change procedure (Rel-6)	STMicroelectronics	Postponed
GP-032630	CR 44.060-461 Synchronization of GPRS and EGPRS requirements for ACK/NACK generation (Rel-6)	Motorola	Withdrawn
GP-032631	CR 44.060-462 Retransmission order of NACKED and PENDING_ACK blocks after reception of ACK/NACK message (Rel-6)	Motorola	Withdrawn
GP-032632	CR 44.060-463 Clarification on CPS field setting for MCS-3 retransmissions of MCS-8 blocks (Rel-6)	Motorola	Revised
GP-032801	CR 44.060-463 rev 1 Clarification on CPS field setting for MCS-3 retransmissions of MCS-8 blocks (Rel-6)	Motorola	Revised
GP-032809	CR 44.060-463 rev 2 Clarification on CPS field setting for MCS-3 retransmissions of MCS-8 blocks (Rel-6)	Motorola	Postponed
GP-032635	CR 44.060-464 Padding for MCS-8 retransmissions (Rel-4)	Motorola	Postponed
GP-032636	CR 44.060-465 Padding for MCS-8 retransmissions (Rel-5)	Motorola	Postponed
GP-032637	CR 44.060-466 Padding for MCS-8 retransmissions (Rel-6)	Motorola	Postponed

Tdoc	Title	Source	Status
GP-032646	CR 44.060-467 Use of RACH uplink / Uplink access burst block format for the 11 bits EGPRS PACKET CHANNEL REQUEST on RACH	Nortel Networks	Approved
GP-032660	CR 44.118-063 rev 1 Handling of key sets at Inter-mode Handover (UTRAN-GERAN alignment) (Rel-5)	Nokia	Approved
GP-032661	CR 44.118-064 rev 2 START calculation in RRC-Connected mode (UTRAN-GERAN alignment) (Rel-5)	Nokia	Approved
GP-032662	CR 44.118-065 rev 1 UTRAN-GERAN Handover (Rel-5)	Nokia	Approved
GP-032663	CR 44.118-066 rev 2 Correction on PDCP Header Compression Configuration (UTRAN-GERAN alignment) (Rel-5)	Nokia	Approved
GP-032664	CR 44.118-067 rev 1 Correction of PDCP Configuration for RFC 2507(GERAN -UTRAN alignment) (Rel-5)	Nokia	Approved
GP-032665	CR 44.118-068 rev 2 Radio link failure during reconfiguration procedure (UTRAN-GERAN alignment) (Rel-5)	Nokia	Approved
GP-032589	CR 44.118-069 rev 1 Introduction of FLO	Nokia	Revised
GP-032704	CR 44.118-069 rev 2 Introduction of FLO (Rel-6)	Nokia	Approved
GP-032597	CR 44.160-073 rev 1 Introduction of Flexible Layer One (Rel 6)	Nokia	Revised
GP-032705	CR 44.160-073 rev 2 Introduction of Flexible Layer One (Rel-6)	Nokia	Revised
GP-032711	CR 44.160-073 rev 3 Introduction of Flexible Layer One (Rel-6)	Nokia	Revised
GP-032806	CR 44.160-073 rev 4 Introduction of Flexible Layer One (Rel-6)	Nokia	Approved
GP-032594	CR 44.160-074 Correction to mapping of SRB on DBPSCH (Rel-5)	Nokia	Approved
GP-032595	CR 44.160-075 Correction to mapping of SRB on DBPSCH (Rel-6)	Nokia	Approved
GP-032459	CR 45.001-024 rev.2 Flexible Layer One (Rel-6)	Nokia	Approved
GP-032554	CR 45.001-025 Correction due to change of DTM core capability (Rel-4)	Ericsson	Approved
GP-032555	CR 45.001-026 Correction due to change of DTM core capability (Rel-5)	Ericsson	Approved

Tdoc	Title	Source	Status
GP-032556	CR 45.001-027 Correction due to change of DTM core capability (Rel-6)	Ericsson	Approved
GP-032463	CR 45.002-084 Flexible Layer One (Rel-6)	Nokia	Approved
GP-032460	CR 45.003-026 rev 2 Coding Multiplexing unit for the Flexible Layer One (Rel-6)	Nokia	Revised
GP-032767	CR 45.003-026 rev 3 Coding Multiplexing unit for the Flexible Layer One (Rel-6)	Nokia	Approved
GP-032458	CR 45.003-029 Figure 1e (Rel-6)	Nokia	Approved
GP-032616	CR 45.003-030 11 information bits access burst on RACH (Rel-6)	Nortel Networks	Approved
GP-032466	CR 45.008-196 Flexible Layer One (Rel-6)	Nokia	Approved
GP-032480	CR 45.008-197 Addition of "cell selection indication for cell selection at release of TCH or SDCCH (Rel 5)	T-Mobile	Rejected
GP-032518	CR 45.008-198 Addition of "cell selection indication for cell selection at release of TCH or SDCCH (Rel 6)	T-Mobile	Revised
GP-032762	CR 45.008-198 rev 1 Addition of "cell selection indication for cell selection at release of TCH or SDCCH (Rel 6)	T-Mobile	Revised
GP-032813	CR 45.008-198 rev 2 Addition of "cell selection indication for cell selection at release of TCH or SDCCH (Rel 6)	T-Mobile	Postponed
GP-032526	CR 45.008-199 Correction of applicability of NC measurement reporting parameters in context with dedicated mode connections (REL-4)	Nokia	Revised
GP-032764	CR 45.008-199 rev 1 Correction of applicability of NC measurement reporting parameters in context with dedicated mode connections (REL-4)	Nokia	Approved
GP-032527	CR 45.008-200 Correction of applicability of NC measurement reporting parameters in context with dedicated mode connections (REL-5)	Nokia	Revised
GP-032765	CR 45.008-200 rev 1 Correction of applicability of NC measurement reporting parameters in context with dedicated mode connections (REL-5)	Nokia	Approved
GP-032528	CR 45.008-201 Correction of applicability of NC measurement reporting parameters in context with dedicated mode connections (REL-6)	Nokia	Revised
GP-032766	CR 45.008-201 rev 1 Correction of applicability of NC measurement reporting parameters in context with dedicated mode connections (REL-6)	Nokia	Approved

Tdoc	Title	Source	Status
GP-032617	CR 45.009-016 DTM assignment & AMR default inband signalling phase	Nokia, Nortel Networks	Revised
GP-032775	CR 45.009-016 rev 1 DTM assignment & AMR default inband signalling phase	Nokia, Nortel Networks	Approved
GP-032368	CR 45.902-010 Architecture principles for FLO (Rel-6)	Siemens, Nokia	Revised
GP-032768	CR 45.902-010 rev 1 Architecture principles for FLO (Rel-6)	Siemens, Nokia	Revised
GP-032701	CR 45.902-010 rev 2 Architecture principles for FLO (Rel-6) (Rel-6)	Siemens, Nokia	Approved
GP-032369	CR 45.902-011 Informative Annex on Multiple Transport Blocks per TrCH per TTI (Rel-6)	Siemens	Rejected
GP-032370	CR 45.902-012 Removal of informative Annex on two-stage interleaving (Rel-6)	Siemens	Approved
GP-032462	CR 45.902-013 TFCS Reconfiguration in FLO (Rel-6)	Nokia	Revised
GP-032769	CR 45.902-013 rev 1 TFCS Reconfiguration in FLO (Rel-6)	Nokia	Withdrawn
GP-032470	CR 45.902-014 Definition of signalling TFC (Rel 6)	Nokia, Siemens	Withdrawn
GP-032472	CR 45.902-015 Signalling on half rate channels (Rel 6)	Siemens	Approved
GP-032796	CR 45.902-016 Block Code sequences for 5 bit TFCI	Siemens, Nokia	Approved
GP-032609	CR 48.008-084 rev 1 Correction to the Coding of SNA Access Information IE (Rel 5)	Nokia	Postponed
GP-032610	CR 48.008-085 rev 1 Correction to the Coding of SNA Access Information IE (Rel 6)	Nokia	Postponed
GP-032666	CR 48.008-086 Correction to circuit pool change during assignment modification (Rel-5)	Nokia	Approved
GP-032667	CR 48.008-087 Correction to circuit pool change during assignment modification (Rel-6)	Nokia	Approved
GP-032537	CR 48.008-091 Service Handover for services not supported in GERAN (Rel 6)	Siemens AG	Postponed
GP-032611	CR 48.008-092 Cause value “Access Restricted Due to Shared Networks” (Rel 5)	Nokia	Approved
GP-032612	CR 48.008-093 Cause value “Access Restricted Due to Shared Networks” (Rel 5)	Nokia	Approved
GP-032620	CR 48.008-094 Correction to CRRM solution (Rel 5)	Nokia	Revised
GP-032690	CR 48.008-094 rev 1 Correction to CRRM solution (Rel-5)	Nokia	Approved

Tdoc	Title	Source	Status
GP-032640	CR 48.008-095 Location Estimate in Old BSS to new BSS Information (Rel-6)	Alcatel	Postponed
GP-032691	CR 48.008-096 Correction to CRRM solution (Rel-6)	Nokia	Approved
GP-032481	CR 48.018-089 RIM and NACC clean-up (Rel 5)	Siemens	Postponed
GP-032533	CR 48.018-090 RIM/extNACC simple solution for Rel-5 (Rel 5)	Nokia	Withdrawn
GP-032534	CR 48.018-091 Gap in Numbering in the PFC Flow Control parameters IE (Rel 5)	Siemens AG	Revised
GP-032692	CR 48.018-091 rev 1 Gap in Numbering in the PFC Flow Control parameters IE (Rel-5)	Siemens AG	Approved
GP-032535	CR 48.018-092 Gap in Numbering in the PFC Flow Control parameters IE (Rel 6)	Siemens AG	Revised
GP-032693	CR 48.018-092 rev 1 Gap in Numbering in the PFC Flow Control parameters IE (Rel-6)	Siemens AG	Approved
GP-032607	CR 48.018-093 Corrections to several inconsistencies (Rel-5)	Siemens	Revised
GP-032694	CR 48.018-093 rev 1 Corrections to several inconsistencies (Rel-5)	Siemens	Approved
GP-032608	CR 48.018-094 Corrections to several inconsistencies (Rel-6)	Siemens	Revised
GP-032695	CR 48.018-094 rev 1 Corrections to several inconsistencies (Rel-6)	Siemens	Approved
GP-032668	CR 48.071-016 rev 6 Adding Channel Mode and MultiRate IEs to U-TDOA messages (Rel-6)	Andrew Corporation, AT&T Wireless	Approved
GP-032669	CR 48.071-018 rev 1 Correction of BSSLAP Abort Direction of Transfer (Rel-6)	Siemens AG	Approved
GP-032504	CR 49.031-024 Correction of LCS Cause IE Length in BSSAP-LE Messages (Rel 6)	Siemens AG	Approved
GP-032586	CR 49.031-025 Introduction of LCS QoS Class (Rel 6)	Vodafone	Postponed
GP-032639	CR 49.031-026 Location Estimate in Perform Location Request (Rel-6)	Alcatel	Postponed
GP-032299	CR 51.010-1-1807 Faulty RLC data block sending time in 42.5.4.1 (Rel-5)	COMNEON	Approved
GP-032300	CR 51.010-1-1808 Inconsistency in TC 42.1.2.1.3.1 (Rel-5)	COMNEON	Approved

Tdoc	Title	Source	Status
GP-032301	CR 51.010-1-1809 Inconsistency in TC 52.1.2.1.3.1 (Rel-5)	COMNEON	Approved
GP-032302	CR 51.010-1-1810 Alignment of Test Specification with Core Specification in section 20.22.29 (Rel-5)	Vodafone	Approved
GP-032305	CR 51.010-1-1811 section 21.4 Update on radio Access Network	Nokia	Withdrawn
GP-032306	CR 51.010-1-1812 Adding TTY test cases to section 80	7layers	Approved
GP-032308	CR 51.010-1-1813 Changes to final steps of 46.2.2.1.1	Wavecom	Revised
GP-032744	CR 51.010-1-1813 rev 1 Changes to final steps of 46.2.2.1.1	Wavecom	Approved
GP-032310	CR 51.010-1-1814 Correction to TC 14.2.10	Ericsson	Approved
GP-032311	CR 51.010-1-1815 Correction to TC's 26.16.1, 26.16.9.11 and 26.16.9.12	Ericsson	Revised
GP-032505	CR 51.010-1-1815 rev 1 Correction to TC's 26.16.1, 26.16.9.11 and 26.16.9.12	Ericsson	Postponed
GP-032312	CR 51.010-1-1816 Location updating/periodic search for higher priority PLMN when the list of equivalent PLMNs includes the HPLMN, when a MS is registered in a foreign country’s VPLMN/MS is in automatic mode	Motorola	Revised
GP-032759	CR 51.010-1-1816 rev 1 Location updating/periodic search for higher priority PLMN when the list of equivalent PLMNs includes the HPLMN, when a MS is registered in a foreign country's VPLMN/MS is in automatic mode	Motorola	Approved
GP-032313	CR 51.010-1-1817 Sec. 44.2.3.3.2 Periodic routing area updating / accepted / T3312 default value	Siemens	Revised
GP-032742	CR 51.010-1-1817 rev 1 Sec. 44.2.3.3.2 Periodic routing area updating / accepted / T3312 default value	Siemens	Approved
GP-032314	CR 51.010-1-1818 Sec. 44.2.3.3.1 Periodic routing area updating / accepted	Siemens	Revised
GP-032743	CR 51.010-1-1818 rev 1 Sec. 44.2.3.3.1 Periodic routing area updating / accepted	Siemens	Approved
GP-032315	CR 51.010-1-1819 Clauses 13.7.2, 13.7.3, 13.7.5, 13.16.2.2, 13.16.2.3, 13.16.2.5, 13.17.3.2, 13.17.3.3, 13.17.3.5, Update on radio Access Network	Nokia	Approved
GP-032316	CR 51.010-1-1820 20.22.21 – Changing the default condition of the cell 1, from NC2 to NC0.	Sasken	Approved

Tdoc	Title	Source	Status
GP-032317	CR 51.010-1-1821 40.4.3.8 – Addition of a delay of 3 blocks after the sending of the PACKET UPLINK ACK/NACK.	Sasken	Approved
GP-032318	CR 51.010-1-1822 41.2.3.10 – Increasing the number of octets from 440 to 2000 for the data transfer triggered in step 0.	Sasken	Revised
GP-032730	CR 51.010-1-1822 rev 1 41.2.3.10 - Increasing the number of octets from 440 to 2000 for the data transfer triggered in step 0.	Sasken	Approved
GP-032319	CR 51.010-1-1823 41.2.3.8 – Changing the PICS used in the step A10.	Sasken	Approved
GP-032320	CR 51.010-1-1824 42.1.2.1.14 – Correcting the contents of SYSTEM INFORMATION TYPE 13.	Sasken	Approved
GP-032321	CR 51.010-1-1825 42.1.2.1.15, 42.1.2.1.16, 42.1.2.1.17,42.1.2.1.18 – Using SI13 rather than PSI13.	Sasken	Approved
GP-032322	CR 51.010-1-1826 42.1.2.1.8.1.6– Addition of a delay of 6 blocks in step 9.	Sasken	Approved
GP-032323	CR 51.010-1-1827 42.1.2.2 – Changing the Channel on which the PACKET DOWNLINK ASSIGNMENT is sent from PCCCH to PPCH.	Sasken	Approved
GP-032324	CR 51.010-1-1828 42.4.2.1.1 – Updates in step 3.	Sasken	Approved
GP-032325	CR 51.010-1-1829 42.4.2.3.1 – Allowing the reception of PACKET MEASUREMENT REPORTs in Cell C.	Sasken	Revised
GP-032733	CR 51.010-1-1829 rev 1 42.4.2.3.1 - Allowing the reception of PACKET MEASUREMENT REPORTs in Cell C.	Sasken	Withdrawn
GP-032326	CR 51.010-1-1830 42.4.2.3.4 – Changing the default condition of the cell 1 and 2, from PBCCH present to PBCCH not present.	Sasken	Withdrawn
GP-032327	CR 51.010-1-1831 42.4.2.3.5– Modification in step 25.	Sasken	Approved
GP-032328	CR 51.010-1-1832 Modifications in testcases 42.4.2.3.3, 42.4.2.3.5, 42.4.2.3.6	Sasken	Approved
GP-032329	CR 51.010-1-1833 Modifications in the step 10 of the testcase 42.8.3.	Sasken	Approved
GP-032330	CR 51.010-1-1834 Modifications in the testcase 43.1.2.4 for the Mobiles stations negotiating for the window size less than 2.	Sasken	Approved

Tdoc	Title	Source	Status
GP-032331	CR 51.010-1-1835 43.3.2 – Changing the channel on which the IMMEDIATE ASSIGNMENT for the downlink TBF is sent, from AGCH to PCH.	Sasken	Approved
GP-032332	CR 51.010-1-1836 Modification to the test purpose of the testcase 46.1.2.2.1.1.	Sasken	Approved
GP-032333	CR 51.010-1-1837 Editorial modification to the test procedure of the testcases 46.1.2.2.4.3, 46.1.2.7.7	Sasken	Approved
GP-032376	CR 51.010-1-1838 Correction to Edge RLC test case 53.1.1.16 - WITHDRAWN	Motorola	Withdrawn
GP-032335	CR 51.010-1-1839 52.1.2.1.8.1.6– Addition of a delay of 6 blocks in step 9.	Sasken	Approved
GP-032336	CR 51.010-1-1840 52.1.2.2 – Changing the Channel on which the PACKET DOWNLINK ASSIGNMENT is sent, from PCCCH to PPCH.	Sasken	Approved
GP-032337	CR 51.010-1-1841 53.3.2 – Changing the channel on which the IMMEDIATE ASSIGNMENT for the downlink TBF is sent from AGCH to PCH.	Sasken	Approved
GP-032338	CR 51.010-1-1842 Addition of new NC2 testcases to 42.4.1	Sasken	Approved
GP-032339	CR 51.010-1-1843 Addition of new NC2 testcases to 42.4.4	Sasken	Approved
GP-032340	CR 51.010-1-1844 Addition of new NC2 testcases to 20.22	Sasken	Approved
GP-032341	CR 51.010-1-1845 42.1.2.1.1.1 Packet Uplink Assignment / Packet queuing notification / Stop sending Packet Channel Requests	Setcom	Withdrawn
GP-032342	CR 51.010-1-1846 52.1.2.1.1.1 Packet Uplink Assignment / Packet queuing notification / Stop sending Packet Channel Requests	Setcom	Withdrawn
GP-032343	CR 51.010-1-1847 51.2.2.4 Initiation of the packet access procedure / timer T3146	Setcom	Approved
GP-032344	CR 51.010-1-1849 41.2.2.4 Initiation of the packet access procedure / timer T3146	Setcom	Withdrawn
GP-032345	CR 51.010-1-1850 42.4.2.1.4 Cell change order procedure / Uplink transfer / Failure cases / Contention resolution failure	Setcom	Approved
GP-032346	CR 51.010-1-1851 42.4.2.3.1 Cell change order procedure / Simultaneous uplink and downlink transfer / Normal case	Setcom	Revised

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GP-032732	CR 51.010-1-1851 rev 1 42.4.2.3.1 Cell change order procedure / Simultaneous uplink and downlink transfer / Normal case	Setcom	Approved
GP-032347	CR 51.010-1-1852 42.4.2.3.7 MT CS establishment whilst in NC2 with a uplink TBF established	Setcom	Revised
GP-032735	CR 51.010-1-1852 rev 1 42.4.2.3.7 MT CS establishment whilst in NC2 with a uplink TBF established	Setcom	Approved
GP-032348	CR 51.010-1-1853 42.4.6.4 Network Control PEMR – Uplink Data Transfer	Setcom	Revised
GP-032736	CR 51.010-1-1853 rev 1 42.4.6.4 Network Control PEMR - Uplink Data Transfer	Setcom	Approved
GP-032349	CR 51.010-1-1854 46.2.2.1.2 Mobile originated normal data transfer with LLC in unacknowledged mode	Setcom	Approved
GP-032350	CR 51.010-1-1855 52.1.2.1.9.4 Packet Uplink Assignment / Two phase access / Radio Access Capabilities/ Frequency band not supported	Setcom	Approved
GP-032351	CR 51.010-1-1856 42.1.2.1.10.2 Packet Uplink Assignment / Abnormal cases / Expiry of timer T3164	Setcom	Withdrawn
GP-032352	CR 51.010-1-1857 52.1.2.1.10.2 Packet Uplink Assignment / Abnormal cases / Expiry of timer T3164	Setcom	Withdrawn
GP-032353	CR 51.010-1-1858 Use of correct PICS and corerction of some steps in SMS testcases (34.4.1 to 34.4.7)	Setcom	Approved
GP-032355	CR 51.010-1-1859 41.2.3.11 - Allow 2-phase access.	Anite	Revised
GP-032731	CR 51.010-1-1859 rev 1 41.2.3.11 - Allow 2-phase access.	Anite	Withdrawn
GP-032356	CR 51.010-1-1860 51.2.2.4 - Perform test during Attach to ensure the MS will attempt the packet access after T3146 expires	Anite	Withdrawn
GP-032357	CR 51.010-1-1861 53.1.2.3 - Assigning Window Size in {Downlink TBF establishment}	Anite	Withdrawn
GP-032358	CR 51.010-1-1862 42.3.3.1.2, 42.3.3.2.1, 42.3.3.2.2 and 42.3.3.3 - Set BS_CV_MAX to 1 in initial conditions.	Anite	Approved
GP-032359	CR 51.010-1-1863 52.3.3.1.2, 52.3.3.2.1 , 52.3.3.2.2 and 52.3.3.3 - Set BS_CV_MAX to 1 in initial conditions.	Anite	Approved
GP-032360	CR 51.010-1-1864 46.1.2.1.1 - Extend Maximum Duration	Anite	Approved
GP-032361	CR 51.010-1-1865 51.2.3.11 - Allow 2-phase access.	Anite	Revised

Tdoc	Title	Source	Status
GP-032749	CR 51.010-1-1865 rev 1 51.2.3.11 - Allow 2-phase access.	Anite	Withdrawn
GP-032362	CR 51.010-1-1866 42.3.2.1.2 - Correction of Ctrl_Ack Constraint.	Anite	Approved
GP-032363	CR 51.010-1-1867 Test case 41.3.2.2 does not allow for the MS under test to send a PACKET UPLINK DUMMY CONTROL BLOCK	Panasonic	Revised
GP-032747	CR 51.010-1-1867 rev 1 Test case 41.3.2.2 does not allow for the MS under test to send a PACKET UPLINK DUMMY CONTROL BLOCK	Panasonic	Approved
GP-032364	CR 51.010-1-1868 T3330 is not being taken into account in a number of section 44 tests	Panasonic	Approved
GP-032365	CR 51.010-1-1869 The way that the T200 timer should be implemented is not clearly specified	Panasonic	Approved
GP-032366	CR 51.010-1-1870 Test case 51.3.2.2 does not allow for the MS under test to send a PACKET UPLINK DUMMY CONTROL BLOCK	Panasonic	Revised
GP-032748	CR 51.010-1-1870 rev 1 Test case 51.3.2.2 does not allow for the MS under test to send a PACKET UPLINK DUMMY CONTROL BLOCK	Panasonic	Approved
GP-032377	CR 51.010-1-1871 TC 53.1.2.9 - Modification to Expected Message Sequence to cater to all iterations.	Setcom	Approved
GP-032378	CR 51.010-1-1872 TC 53.1.2.14 - Allowing uncompressed bitmap to be present in EGPRS Packet Downlink Ack/Nack	Setcom	Approved
GP-032379	CR 51.010-1-1873 TC 52.3.2.2.1 - Correction to specific message contents of Packet Timeslot Reconfigure message (1st execution)	Setcom	Approved
GP-032380	CR 51.010-1-1874 TC 31.4.3.2 - CM service acceptance procedure need to be done before Setup	Setcom	Approved
GP-032381	CR 51.010-1-1875 TC 52.3.1.2.2 - Cell update need not be explicit in case of acknowledged mode RLC	Setcom	Revised
GP-032752	CR 51.010-1-1875 rev 1 TC 52.3.1.2.2 - Cell update need not be explicit in case of acknowledged mode RLC	Setcom	Approved
GP-032382	CR 51.010-1-1876 TC 52.3.1.2.3 - Resources need to be allocated to the MS to perform Cell Update	Setcom	Revised
GP-032753	CR 51.010-1-1876 rev 1 TC 52.3.1.2.3 - Resources need to be allocated to the MS to perform Cell Update	Setcom	Approved

Tdoc	Title	Source	Status
GP-032383	CR 51.010-1-1877 Addition of new NC2 testcases to section 42.4	Setcom	Revised
GP-032760	CR 51.010-1-1877 rev 1 Addition of new NC2 testcases to section 42.4	Setcom	Approved
GP-032385	CR 51.010-1-1878 Section 20.22.5 Network controlled Cell re-selection in Idle Mode	Rohde & Schwarz	Revised
GP-032756	CR 51.010-1-1878 rev 1 Section 20.22.5 Network controlled Cell re-selection in Idle Mode	Rohde & Schwarz	Approved
GP-032386	CR 51.010-1-1879 Section 21.3 Incorrect values for Max-samples	Rohde & Schwarz	Approved
GP-032387	CR 51.010-1-1880 Section 21.4 Incorrect values for Max-samples and missing definitions	Rohde & Schwarz	Approved
GP-032388	CR 51.010-1-1881 section 26.16.10.1 AMR signalling/ test of the channel mode modify procedure/ full rate	Rohde & Schwarz	Approved
GP-032389	CR 51.010-1-1882 section 26.16.10.1 AMR signalling/ test of the channel mode modify procedure/ half rate	Rohde & Schwarz	Approved
GP-032390	CR 51.010-1-1883 section 26.16.11 Multirate configurations not specified when needed.	Rohde & Schwarz	Withdrawn
GP-032391	CR 51.010-1-1884 Section 41.3.5.2 Incorrect step references in expected sequence	Rohde & Schwarz	Approved
GP-032392	CR 51.010-1-1885 Section 42.1.2.1.6 CHANGE_MARK_1 settings incorrect in PUAS message.	Rohde & Schwarz	Approved
GP-032393	CR 51.010-1-1886 Section 42.3.1.1.8 Mismatch between description in expected sequence and specific message contents	Rohde & Schwarz	Approved
GP-032394	CR 51.010-1-1887 Section 42.3.3.3 Contradiction between expected sequence and content of specific message	Rohde & Schwarz	Withdrawn
GP-032395	CR 51.010-1-1888 Section 42.4.1.1 Invalid timer checks in expected sequence	Rohde & Schwarz	Approved
GP-032396	CR 51.010-1-1889 Section 42.4.1.2 Invalid timing requirement in step 2	Rohde & Schwarz	Approved
GP-032397	CR 51.010-1-1890 Section 42.4.2.1.1 Incorrect reference in expected sequence	Rohde & Schwarz	Approved
GP-032398	CR 51.010-1-1891 Section 42.4.2.1.3 Test Case refers to non-existing Macro	Rohde & Schwarz	Approved

Tdoc	Title	Source	Status
GP-032399	CR 51.010-1-1892 Section 42.8.3 Incorrect step number references in Expected Sequence	Rohde & Schwarz	Withdrawn
GP-032400	CR 51.010-1-1893 Section 46.2.2.1.2 XID negotiation missing in expected Sequence.	Rohde & Schwarz	Approved
GP-032401	CR 51.010-1-1894 Section 46.2.2.1.3 Optional LLC message missing.	Rohde & Schwarz	Revised
GP-032746	CR 51.010-1-1894 rev 1 Section 46.2.2.1.3 Optional LLC message missing.	Rohde & Schwarz	Approved
GP-032402	CR 51.010-1-1895 Section 51.3.5.2 Incorrect step references in expected sequence	Rohde & Schwarz	Approved
GP-032403	CR 51.010-1-1896 Section 52.1.2.1.8.1.8 Missing PACKET DOWNLINK DUMMY CONTROL BLOCK	Rohde & Schwarz	Approved
GP-032404	CR 51.010-1-1897 Section 52.3.1.1.8 Mismatch between description in expected sequence and specific message contents	Rohde & Schwarz	Approved
GP-032405	CR 51.010-1-1898 Section 53.1.2.11 Implementation option in requirement check in step 7 missing	Rohde & Schwarz	Approved
GP-032406	CR 51.010-1-1899 Section 53.2.1.1 Step number missing	Rohde & Schwarz	Approved
GP-032407	CR 51.010-1-1900 Section 53.2.1.2 Step number missing	Rohde & Schwarz	Approved
GP-032408	CR 51.010-1-1901 Section 40.2.3 Timeslot restrictions in default PACKET UPLINK ASSIGNMENT and PACKET DOWNLINK ASSIGNMENT messages	Rohde & Schwarz	Approved
GP-032409	CR 51.010-1-1902 Section 42.4.3.2.3 Default PACKET MEASUREMENT ORDER message for section 42.4.	Rohde & Schwarz	Approved
GP-032410	CR 51.010-1-1903 Section 50.2.3 Timeslot restrictions in default PACKET UPLINK ASSIGNMENT and PACKET DOWNLINK ASSIGNMENT messages	Rohde & Schwarz	Approved
GP-032411	CR 51.010-1-1904 Section 43.2.1 Corrections in Specific Message Contents	Rohde & Schwarz	Approved
GP-032412	CR 51.010-1-1905 Section 47.1.1 Contradiction between test purpose and test procedure	Rohde & Schwarz	Withdrawn
GP-032413	CR 51.010-1-1906 Section 47.1.2 Two cells required in initial conditions	Rohde & Schwarz	Withdrawn
GP-032414	CR 51.010-1-1907 Section 47.3.1.1 Ready Timer too short	Rohde & Schwarz	Revised
GP-032757	CR 51.010-1-1907 rev 1 Section 47.3.1.1 Ready Timer too short	Rohde & Schwarz	Approved

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GP-032415	CR 51.010-1-1908 Section 52.1.1.5 Split into two test procedures	Rohde & Schwarz	Approved
GP-032416	CR 51.010-1-1909 Section 52.1.2.1.6 Incorrect step reference	Rohde & Schwarz	Approved
GP-032417	CR 51.010-1-1910 Section 52.1.2.1.8.1.2 Correction of step 3	Rohde & Schwarz	Approved
GP-032418	CR 51.010-1-1911 Section 52.3.1.1.2 Dynamic Allocation / Uplink Transfer / Normal / Request new resources	Rohde & Schwarz	Withdrawn
GP-032419	CR 51.010-1-1912 Section 53.1.1.6 Correction of test procedure	Rohde & Schwarz	Withdrawn
GP-032420	CR 51.010-1-1913 Section 53.1.1.9 Correction of test procedure	Rohde & Schwarz	Approved
GP-032421	CR 51.010-1-1914 Section 53.1.1.13 Correction of test procedure	Rohde & Schwarz	Revised
GP-032751	CR 51.010-1-1914 rev 1 Section 53.1.1.13 Correction of test procedure	Rohde & Schwarz	Withdrawn
GP-032422	CR 51.010-1-1915 Section 53.1.1.18 Correction of test procedure	Rohde & Schwarz	Withdrawn
GP-032423	CR 51.010-1-1916 Section 53.1.1.19 Correction of test procedure	Rohde & Schwarz	Revised
GP-032754	CR 51.010-1-1916 rev 1 Section 53.1.1.19 Correction of test procedure	Rohde & Schwarz	Revised
GP-032782	CR 51.010-1-1916 rev 2 Section 53.1.1.19 Correction of test procedure	Rohde & Schwarz	Approved
GP-032424	CR 51.010-1-1917 Section 53.1.1.20 Correction of test procedure	Rohde & Schwarz	Approved
GP-032442	CR 51.010-1-1918 TC 42.3.1.2.2 - Cell update need not be explicit in case of acknowledged mode RLC	Setcom	Revised
GP-032737	CR 51.010-1-1918 rev 1 TC 42.3.1.2.2 - Cell update need not be explicit in case of acknowledged mode RLC	Setcom	Approved
GP-032443	CR 51.010-1-1919 TC 42.3.2.2.1 - Correction to specific message contents of Packet Timeslot Reconfigure message (1st execution)	Setcom	Approved
GP-032444	CR 51.010-1-1920 TC 42.3.1.2.3 - Resources need to be allocated to the MS to perform Cell Update	Setcom	Revised
GP-032738	CR 51.010-1-1920 rev 1 TC 42.3.1.2.3 - Resources need to be allocated to the MS to perform Cell Update	Setcom	Approved

Tdoc	Title	Source	Status
GP-032445	CR 51.010-1-1921 Correction to testcase 53.1.2.3	Setcom	Approved
GP-032446	CR 51.010-1-1922 Correction to 42.4.7 Cell Change Order Test Cases (Rel-5)	Motorola	Approved
GP-032447	CR 51.010-1-1923 Correction to GMM Test Case 44.2.3.2.2 (Rel-5)	Motorola	Approved
GP-032448	CR 51.010-1-1924 Correction to GMM Test Case 44.2.3.3.3 (Rel-5)	Motorola	Approved
GP-032449	CR 51.010-1-1925 Correction to EGPRS Test Case 51.3.1.3 (Rel-5)	Motorola	Approved
GP-032450	CR 51.010-1-1926 Correction to EGPRS Test Case 53.1.1.3 (Rel-5)	Motorola	Revised
GP-032755	CR 51.010-1-1926 rev 1 Correction to EGPRS Test Case 53.1.1.3 (Rel-5)	Motorola	Approved
GP-032451	CR 51.010-1-1927 Correction to EGPRS Test Case 53.1.1.4 (Rel-5)	Motorola	Approved
GP-032452	CR 51.010-1-1928 Correction to EGPRS Test Case 53.1.1.7 (Rel-5)	Motorola	Approved
GP-032453	CR 51.010-1-1929 Correction to EGPRS Test Case 53.1.1.16 (Rel-5)	Motorola	Approved
GP-032454	CR 51.010-1-1930 Correction to EGPRS Test Case 53.1.1.18 (Rel-5)	Motorola	Approved
GP-032455	CR 51.010-1-1931 Correction to A-GPS Test Cases 70.8 (Rel-5)	Motorola	Approved
GP-032456	CR 51.010-1-1932 New MOLR MS-Based A-GPS Test Cases 70.8.5 (Rel-5)	Motorola	Approved
GP-032483	CR 51.010-1-1933 Annex 5, clause A5.2., TEI, Update on radio Access Network	Nokia	Approved
GP-032484	CR 51.010-1-1934 Alignment of Conformance Requirement for clause 27.17.1.2 with TS 102 230.	Nokia & ORGA	Approved
GP-032485	CR 51.010-1-1935 Addition of GPRS RESUMPTION in Channel Release in the macros in section 40 - Default messages	Nokia	Revised
GP-032729	CR 51.010-1-1935 rev 1 Addition of GPRS RESUMPTION in Channel Release in the macros in section 40 - Default messages	Nokia	Approved

Tdoc	Title	Source	Status
GP-032486	CR 51.010-1-1936 Correction of Test Procedure and Expected Sequence for section 41.5.1.1.1.4 Uplink TBF establishment with no reallocation of CS resources / Abnormal cases / Inter System to UTRAN Handover Command	Nokia	Revised
GP-032734	CR 51.010-1-1936 rev 1 Correction of Test Procedure and Expected Sequence for section 41.5.1.1.1.4 Uplink TBF establishment with no reallocation of CS resources / Abnormal cases / Inter System to UTRAN Handover Command	Nokia	Approved
GP-032487	CR 51.010-1-1937 Clarification of the FBI bit in clause 42.1.2.2.6 - Packet Downlink Assignment Timing Advance / TA value field not provided	Nokia	Approved
GP-032488	CR 51.010-1-1938 Correction of amount of data to be triggered in clause 42.3.1.1.2 - Dynamic Allocation / Uplink Transfer / Normal / Request new resources	Nokia	Approved
GP-032489	CR 51.010-1-1939 Correction of Expected Sequence for section 42.4.5.1 Network Assisted Cell Change / Expiry of T3206	Nokia	Approved
GP-032490	CR 51.010-1-1940 Functional and editorial corrections for clause 42.4.5.4 - Network Assisted Cell Change / Packet Neighbour Cell Data and Packet Cell Change Order	Nokia	Approved
GP-032491	CR 51.010-1-1941 Functional and editorial corrections for clause 42.4.5.5 - Network Assisted Cell Change / Expiry of T3208 and T3210	Nokia	Revised
GP-032739	CR 51.010-1-1941 rev 1 Functional and editorial corrections for clause 42.4.5.5 - Network Assisted Cell Change / Expiry of T3208 and T3210	Nokia	Approved
GP-032492	CR 51.010-1-1942 Setting CTRL_ACK_TYPE=0 in the Initial Conditions for clause 42.5.1.2 - Downlink Transfer/ Normal Operation / Without TBF starting time	Nokia	Revised
GP-032740	CR 51.010-1-1942 rev 1 Setting CTRL_ACK_TYPE=0 in the Initial Conditions for clause 42.5.1.2 - Downlink Transfer/ Normal Operation / Without TBF starting time	Nokia	Approved
GP-032493	CR 51.010-1-1943 Clarification of the FBI bit in clause 52.1.2.2.6 - Packet Downlink Assignment Timing Advance / TA value field not provided	Nokia	Approved
GP-032494	CR 51.010-1-1944 Correction of amount of data to be triggered in clause 52.3.1.1.2 - Dynamic Allocation / Uplink Transfer / Normal / Request new resources	Nokia	Approved
GP-032565	CR 51.010-1-1945 Section 40.2.4.35 MNC not specified correctly for different bands	Rohde & Schwarz	Approved

Tdoc	Title	Source	Status
GP-032502	CR 51.010-1-1946 sections 14 and 21 receiver tests - selection of ARFCNs with fading and hoping	Racal	Revised
GP-032780	CR 51.010-1-1946 rev 1 sections 14 and 21 receiver tests - selection of ARFCNs with fading and hoping	Racal	Approved
GP-032503	CR 51.010-1-1947 sections 26.16.1 Inband Signalling, Downlink Codec Adaptation – corrections	Racal, Nokia	Withdrawn
GP-032514	CR 51.010-1-1948 42.4.6.5 Network Control PEMR – Downlink Data Transfer	Setcom	Revised
GP-032727	CR 51.010-1-1948 rev 1 42.4.6.5 Network Control PEMR - Downlink Data Transfer	Setcom	Revised
GP-032741	CR 51.010-1-1948 rev 2 42.4.6.5 Network Control PEMR - Downlink Data Transfer	Setcom	Approved
GP-032515	CR 51.010-1-1949 42.4.2.3.4 Packet Measurement order procedure / Downlink transfer / Normal case/ Routing Area Update/ NMO II	Setcom	Revised
GP-032777	CR 51.010-1-1949 rev 1 42.4.2.3.4 Packet Measurement order procedure / Downlink transfer / Normal case/ Routing Area Update/ NMO II	Setcom	Approved
GP-032516	CR 51.010-1-1950 42.4.2.3.5 Packet Measurement order procedure / Downlink transfer / Normal case/ Routing Area Update/ NMO I	Setcom	Revised
GP-032728	CR 51.010-1-1950 rev 1 42.4.2.3.5 Packet Measurement order procedure / Downlink transfer / Normal case/ Routing Area Update/ NMO I	Setcom	Approved
GP-032530	CR 51.010-1-1951 Sec. 14.10.X Performance of the Codec Mode Request Generation	Siemens, Nokia	Revised
GP-032723	CR 51.010-1-1951 rev 1 Sec. 14.10.X Performance of the Codec Mode Request Generation	Siemens, Nokia	Approved
GP-032531	CR 51.010-1-1952 Sec. 20.22.9 Cell reselection when the best cell does not support GPRS	Siemens	Approved
GP-032532	CR 51.010-1-1953 Sec.31.X.: Change in Bearer Service Code	Siemens	Approved
GP-032642	CR 51.010-1-1954 New test cases: NACC (CR on 51.010-1)	Alcatel	Revised
GP-032726	CR 51.010-1-1954 rev 1 New test cases: NACC (CR on 51.010-1)	Alcatel	Revised
GP-032781	CR 51.010-1-1954 rev 2 New test cases: NACC (CR on 51.010-1)	Alcatel	Approved

Tdoc	Title	Source	Status
GP-032644	CR 51.010-1-1955 New test case: I_level reporting	Alcatel	Revised
GP-032724	CR 51.010-1-1955 rev 1 New test case: I_level reporting	Alcatel	Withdrawn
GP-032750	CR 51.010-1-1956 Sec. 44.2.3.1.1.4 Routing area updating/ rejected / location area not allowed	Siemens	Approved
GP-032778	CR 51.010-1-1957 Removal of Test case 26.8.1.3.3.3 Incoming call / U9 mobile terminating call confirmed / termination requested by the user	Nokia	Approved
GP-032307	CR 51.010-2-144 Adding TTY test cases	7layers	Approved
GP-032334	CR 51.010-2-145 Addition of new NC2 cases	Sasken	Approved
GP-032384	CR 51.010-2-146 Modification to Applicability Table due to introduction of new testcases in 3GPP TS 51.010-1	Setcom	Revised
GP-032776	CR 51.010-2-146 rev 1 Modification to Applicability Table due to introduction of new testcases in 3GPP TS 51.010-1	Setcom	Approved
GP-032425	CR 51.010-2-147 Test cases from section 53 missing	Rohde & Schwarz	Approved
GP-032457	CR 51.010-2-148 Applicability for MOLR MS-Based A-GPSTest Cases (Rel-5)	Motorola	Approved
GP-032495	CR 51.010-2-149 Spilt of Multislot Classes for HSCSD, GPRS and EGPRS.	Nokia	Approved
GP-032566	CR 51.010-2-150 Correction of test numbers in section 21.3	Rohde & Schwarz	Approved
GP-032643	CR 51.010-2-151 New test cases: NACC (CR on 51.010-2)	Alcatel	Approved
GP-032645	CR 51.010-2-152 New test case: I_level reporting	Alcatel	Revised
GP-032725	CR 51.010-2-152 rev 1 New test case: I_level reporting	Alcatel	Withdrawn
GP-032758	CR 51.010-2-153 Location updating/periodic search for higher priority PLMN when the list of equivalent PLMNs includes the HPLMN, when a MS is registered in a foreign country's VPLMN/MS is in automatic mode	Motorola	Revised
GP-032784	CR 51.010-2-153 rev 1 Location updating/periodic search for higher priority PLMN when the list of equivalent PLMNs includes the HPLMN, when a MS is registered in a foreign country's VPLMN/MS is in automatic mode	Motorola	Approved
GP-032779	CR 51.010-2-154 Removal of Test case 26.8.1.3.3.3 Incoming call / U9 mobile terminating call confirmed / termination requested by the user	Nokia	Approved