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TSG GERAN Report to TSG-SA#27

TSG-GERAN Chairman
Niels Peter Skov Andersen

Tdoc SP-050158

TSG GERAN #23

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- **GERAN #23**
  - **609 Documents addressed**
  - **467 CRs (237 approved)**
  - **116 delegates**

- **The TSG GERAN WG2 chairman Diana Edwin Siemens resigned at the end of the meeting**
  - **Guillaume Sébire , Nokia accepted to act as convenor at the WG2 #23bis meeting**

Pre-release-5 CRs

LCS:

- **Correction of the ASN.1 code (R98)**

GPRS:

- **CSN.1 coding modification of PSI14 extensions (R99)**
- **Validity of the PNCD information (Rel-4)**

DTM:

- **Missing cell identity in DTM Information message (R99)**

Release 5 CRs

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GPRS:

- **Usage of the RANDOM_ACCESS_RETRY flag in Abnormal cell reselection**

Release 6 – mTBFs

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- **Correction multiple TBF procedures after one phase access**
- **Multiple TBF operation in extended uplink TBF mode**

Release 6 – DTM Enhancements

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- **Proposal for Channel allocation when RR connection is released while in dual transfer mode**
  - **This would allow the network to reconfigure the PS radio resources at the same time as releasing the RR connection in the PACKET CS RELEASE INDICATION message.**
  - **This is beneficial when a single timeslot has been used for TCH/HR and PDTCH/HR.**
  - **It was agreed that this is a desirable enhancement**

MBMS – Stage 2

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Changes to correct complete MBMS Stage 2

- **Repeated Notification of an ongoing session**
- **Definition of when MBMS ASSIGNMENT is a distribution or non-distribution message**
- **Update of sub-clause 6.1.1.3**
- **Access limitation definitions**
- **Clean-up to the MBMS stage 2**

MBMS – Issues resolved

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- Addition of MBMS address assignment procedure and MBMS MS_ID ASSIGNMENT message
- Addition of release of an MBMS radio bearer
- RLC data block transfer during an MBMS radio bearer
- Introduction of MBMS Notification for MS in dedicated mode
- Introduction of MBMS Notification for MS in packet transfer mode
- Addition of MBMS Notification
- Addition of MBMS Notification
- Identifying Session ID as optional
- Correction of MBMS messages
- Provision of cell reselection parameters for neighbouring cells in the serving cell
- Provision of cell reselection parameters for neighbouring cells in the serving cell
- Definition of broadcast/multicast receive mode
- Addition of MBMS procedures in List of procedures

MBMS Issues

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- **MBMS is considered complete for Release 6,**
- **but a review is required:**
- **Simplify CSN.1, especially where similar fields are repeated in multiple messages, consider defining IEs for these common structs.**
- **Keep most information in 44.060 and refer to those sections/IEs from 44.018.**
- **Perform “consistency” check of all MBMS CRs regarding MBMS terminology and wording relating to MBMS radio bearers (e.g. listen to / receive).**

PS HO

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- Correction of data forwarding in case of inter-RAT PS Handover
- "Layer 3 information" not used for PS Handover
- Clarification of PDP Context Suspension during inter-SGSN GERAN A/Gb to GERAN A/Gb PS HO
- PS Handover Cancel after failed PS Handover
- SABM-UA exchange in case of LLC-ABM

TEI6 Changes – VGCS

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- Channel assignment for VGCS
- Correction to channel mode modify
- Cipher Key Sequence Number in Talker Indication
- NTN Rest Octets
- Group key not available on the USIM
- Clarification on the provision of VGCS ciphering parameters
- Correction to Encryption Information IE for VGCS
- Transmission of Notifications for VGCS on PCH
- Paging Information
- Miscellaneous editorial changes
- Group Call Reference handling by the MSC

TEI6 Changes – DTM

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- **PS roaming while in DTM**
- **Error handling for GTTP messages**
- **Usage of TLLI in the GTTP Information message**
- **Uncoupling BSS paging coordination in GPRS NMO II / III and in DTM**

TEI6 Changes – RLC/MAC

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- Correction of the mobile behaviour at packet access failure
- Correction of the mobile behaviour at packet access failure
- Inconsistent CSN.1 coding in PUA message
- PFI inclusion not allowed at TBF establishment if PFC not supported by the network
- Introduction of GPRS Power Control Parameters IE
- Extended Dynamic Allocation: PACCH operation clarifications in case of Concurrent TBF

TEI6 Changes – Other

- **Moving of data flow when marking remote IP endpoint non-operational**
- **Corrections to units in Navigation Model**
- **Incorrect length of group call reference IE**
- **Incorrect length of the eMLPP priority**
- **Correcting wrong references to section 10.5.1 (common information elements)**
- **Inconsistent coding of Format ID in variable bitmap format of Cell Channel Description IE**

TEI6 – Repeated FACCH

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- Principle of using repeated FACCH to improve signalling performance for AMR in very bad radio conditions was agreed
- Technical solution in form of Change Requests are expected to be agreed at TSG GERAN #24

Flexible Layer One

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- **Main parts of FLO completed**
- **FLO for A/Gb still open and will be post Release 6**

Streaming

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

LCS – U-TDOA

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- **U-TDOA is complete for Release 6**
  - **CS domain has been complete for a while**
  - **PS was completed at TSG GERAN #22**

SAIC/ARP

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- **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 !**
- **SAIC Feasibility Study completed and approved - TR 45.903**
- **Work on specification of Advanced Receiver Performance (ARP) completed including all performance requirements.**
- **Test specification work ongoing**

Generic Access to A/Gb Interface

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- **Feasibility Study WI agreed in GERAN#20 (Bilbao)**
  - **Study the feasibility of defining a set of protocols enabling a MS to connect to the A/Gb interface using generic IP-based broadband connection such as through ADSL, Cable, alternate wireless, etc., without any modification of the A/Gb interface protocols.**
  - **Study feasibility to provide services available through conventional GERAN access using Um interface.**
  - **AdHoc held August 5-6, 2004 in Heathrow, London with discussions continuing in GERAN#21 (August 23-27), Montreal.**
- **Feasibility Study completed in GERAN#21 and TR placed under change control. Results captured in TR 43.901 v 6.0.0**

Generic Access to A/Gb Interface (2)

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- **Feedback received from TSG SA WG1, WG2 and WG3**
- **Comments from TSG SA WG1 and WG2 has been taken into account in continuation of the work on a Stage 2**
- **TSG SA WG3 has confirmed that the adoption the security mechanisms defined by SA WG3 for WLAN-Interworking (TS 33.234) is appropriate.**
- **Stage 2 is completed and approved**
- **Stgae 3 being reviewed expected to be completed at TSG GERAN#24 (April 2005) and approved as Release 6.**

Support of Video Telephony

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- **At TSG GERAN#22 ECSD 32kbit/s coding scheme as been changed to reduce delay in order to make it suitable for 32 kbit/s video telephony (R99→) – few corrections at STG GERAN #23**
- **Feasibility study on provision of 64 kbit/s bearer usable for Video Telephony is ongoing**

On board plane cellular systems

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Main elements of potential interference to terrestrial cellular networks are considered to be:

- **The onboard base station to terrestrial mobiles**
- **On board mobiles accessing either on board system or terrestrial system**
- **On board EMC shielding (Jamming) of full-set of celluar bands to avoid mobiles attempting accessing terrestrial networks (as this would typically be max power)**

- **Old GSM documentation show that plane (Boeing 747) do not provide attenuation, in some directions even a gain !!!**
- **Modelling of interference being discussed including multiple-interferer margins etc. Conclusion hoped for at TSG GERAN #24**

Antena Testing

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- **TSG GERAN approved work itme for Antenna Testing**
  - **Intension is to use test method specified by TSG RAN WG4**
  - **Develop the corresponding requirements for GERAN performance**

Testing - DARP Work-Plan

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- The plan consist of the titles and number of tests, as well as responsible companies and expected completion dates.
- The existing receiver test cases have been analysed.
- New test cases has been created which is applicable only to DARP MS.
- Existing test cases that overlap with new DARP specific tests is being changed to indicate that those parts of the test where the overlap occurs shall not be applicable to DARP MS
- Existing tests cases where it is believed that the current test specification may cause problems for DARP MS has been identified.
- New test cases that are not specific to DARP but are required as a consequence of identified deficiencies is being created.
- The actual work-plan as been send as LS to PTCPB and GCF

Testing - BEP

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- **Number of open issues**
- **Different proposals for detailed solutions for the testing**
- **4 conference call held to progress the matter outside meetings**
- **Agreement of basic principle**
- **Detailed test cases for testing BEP under elaborations**

Testing - AMR

- AMR layer 1 BER/FER test cases have been standardised for about two years.
- The statistical testing methods have assisted in the reduction of test durations, but worthwhile gains could only be seen when MS performs significantly better than the test limits.
- It has been observed that commercially available AMR MS exhibit results that are very close to the test limits.
- As result, in the immediate future statistical testing probably not result in significant test duration improvements.

- ***Based on foregoing, WG3 has decided to work further toward decreasing the AMR tests time duration*.**

Testing "STF 272" (TTCN)

- **It was noted that there are no earlier versions of part-5 in Rel-4 and Rel-5.**
- **However, it was decided not to make the "fake" TSs in earlier releases since anyone who worked with the TS would automatically know which is the salient release.**

DTM

- There are a lot of DTM test cases with two branches: one for multislot MS's and one for single slot MS's.
- The work on DTM within PTCRB and GCF shows that there is no interest of the single slot allocation today.
- This means that all those TC's can only get category B when validated.
- It was commented and agreed to make the changes to the Part 2 to separate the test cases in terms of either single slot or multislot and make the TC generic for both.
- In this way, since the part 2 correlates with the GCF database, both scenarios are supported.

Elections at TSG GERAN #24

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There will be held elections for the following positions at TSG GERAN #24

- **TSG GERAN Chairman and Vice Chairmen**
- **TSG GERAN WG1 chairman and vice chairmen**
- **TSG GERAN WG2 Chairman and vice chairmen**

Future TSG GERAN Plenary meetings

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TSG GERAN #24	**04 – 08 April 2005**	**Dublin, Ireland**
TSG GERAN #25	**20 – 24 June 2005**	**North America**
TSG GERAN #26	**29 August – 2 September 2005**	**Chicago?**
TSG GERAN #27	**07 – 11 November 2005**	**TBD**

Extract of GERAN work programme and list of CR handled at TSG GERAN #23 are attached to this report

GERAN Background

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- **Work area of TSG GERAN**
- **TSG GERAN organisation**
- **Specification numbering**

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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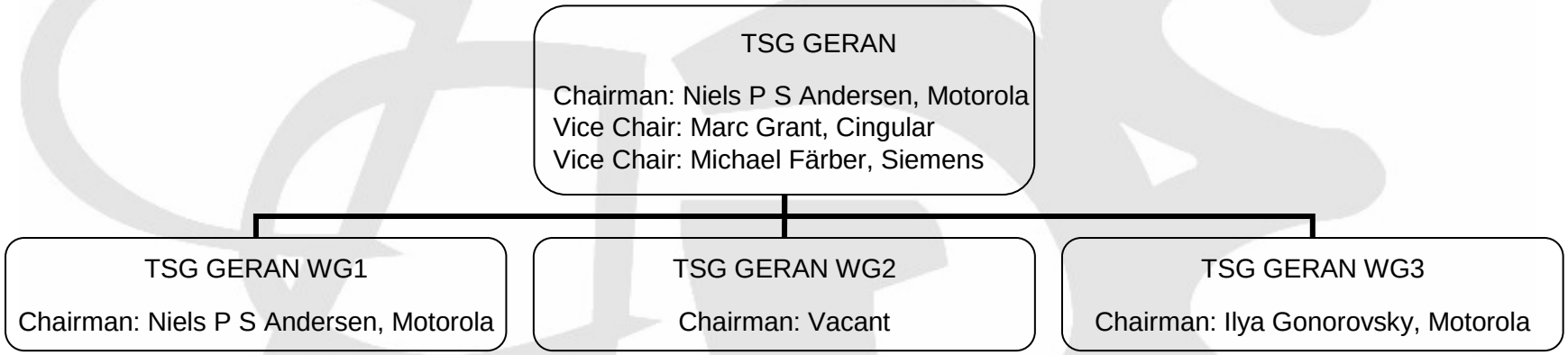

Organisation of TSG GERAN (2/4)

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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: Vacant**
- **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**

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

This list reflects the status of work items under the responsibility of TSG GERAN as of the end of TSG GERAN #23.

Feature	Building block	Work task	Level of completion	Start Date	Date of completion	Status
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
		•				
		•				
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	100%	November 2002	January 2005	Completed
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
		•				
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	Completed

	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	100%	October 2002	June 2004	Completed
	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
		•				
		•				
Addition of frequency bands to GSM (TAPS) **GP-022072**	Addition of frequency bands to GSM – Changes to core specs (TAPS-Specs) GP-022073	• New frequency ranges • Scenarios for new frequencies • Classmark information elements • Add frequency ranges • Add frequency and channels • Add frequency ranges • 43.022 Add channels to be searched	100%	June 2002	Dec 2002	Ready for Rel-6
		•				
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%			Under Evaluation
	GERAN BTS Conformance test for Enhanced Power Control GP-012751	• BTS test	0%			Under Evaluation
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%			

	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%			Under Evaluation
	GERAN BTS Conformance test for WB AMR GP-000455	• BTS test	100%		Dec 2002	Closed
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 SAICcapability.	100%	Nov 2002	August 2004	Closed
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	100%	November 2002	April 2004	Completed, except for potential LMU performance specs.
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	100	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	85%	Nov 2003	January 2005	Started

	Radio Channel Support (SCSAGB-RCS) GP-030446	• Radio channel support for Conversational QoS • Introduction of continuous measurement reporting	0%	Feb 2004	November 2005	Not Started
	Definition of radio resource management functionality (SCSAGB-RRM) GP-030447	• Addition/modification of radio resource management protocol layer	0%	Feb 2004	November 2005	Not Started
	PS Handover (SCSAGB-PSH) GP-030448	• BSSGP procedures for change of BSC • Bi-Casting • Context transfer	25%	Feb 2004	January 2005	Not Started
	Modifications to FLO (SCSAGB-FLO) GP-030449	• FLO specific impacts due to conversational QoS	0%	Feb 2004	November 2005	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	Septembe r 2004	Started
Downlink Advanced Receiver Performance (DARP) GP-041966	DARP test scenarios GP-041967	Interference test cases for 45.005	100%	November 2003	Septembe r 2004	Started
	DARP for GMSK modulated voice services GP-041968	Performance Requirements in 45.005 Radio subsystem link control in 45.008	100%	February 2004	November 2004	Started
	DARP for GPRS and EGPRS MCS1-MCS4 GP-041969	Performance Requirements in 45.005 Radio subsystem link control in 45.008	100%	February 2004	November 2004	Started
	DARP Capability signalling GP-041970	Modification of 24.008 for signalling of MS ARP capability	100%	November 2003	Septembe r 2004	Started
	GERAN MS Conformance test for ARP GP-041971	MS Test in 51.010	40%	August 2004	February 2005	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.	100%	February 2004	November 2004	Started
	Reduction of PS service interruption in Dual Transfer Mode / MS Conformance testing	MS Conformance testing (51.010)	0%	June 2004		Under Evaluation
	Reduction of PS service interruption in Dual Transfer Mode / BTS Conformance testing	BTS Conformance testing	0%	June 2004		Under Evaluation
FS: Generic Access to A/Gb Interface (GP-041592) (GAAG)	Generic Access to A/Gb Interface	Determine the feasibility of generic IP based access to A/Gb interface.	100%	January 2005	January 2005	Not Started
Global Navigation Satellite Systems (GNSS) (GP-0422268)	Support for GNSS in GERAN	To include the capability of Assisted GALILEO as an Assisted GNSS into the GERAN.	0%	April 2005	April 2005	Not Started
FS of enhanced support of Video Telephony (GP-042221) (VIDGER)	Feasibility study of enhanced support for video telephony service over GERAN via the A interface	To enhance performance of video telephony service over GERAN via the A interface.	10%	January 2005	April 2005	Not Started
Generic Access to the A/Gb Interface (GP-042247) (GAAI)	Generic IP based Access to A/Gb interface – Stage 2	Stage 2 for Generic Access to the A/Gb Interface	100%	April 2005	April 2005	Complete
	Generic IP based Access to A/Gb interface – Stage 3	Stage 3 for Generic Access to the A/Gb Interface	25%	April 2005	April 2005	Started
	MS Conformance Test for Generic Access to A/Gb Interface	MS Conformance Test for Generic Access to A/Gb Interface	0%	June 2005	June 2005	Not Started
Enhancements of VGCS in public networks for communication of public authority officials GP-041837 (EVGCS)	Enhancements of VGCS in public networks for communication of public authority officials	Enhancements of VGCS in public networks for communication of public authority officials	0%	April 2005	April 2005	Not Started

MS Antenna Performance Evaluation Method and Requirements	Define MS antenna minimal performance requirements	Define MS antenna minimal performance requirements	0%	November 2005	November 2005	
Lower 700 MHz Inclusion in the GERAN Specifications (GSM710)	To include the 698 – 746 MHz band into GERAN	To include the 698 – 746 MHz band into GERAN	10%	June 2005	June 2005	

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
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	Closed without progress at GERAN #19
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.
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

3GPP TSG GERAN
Meeting no 23
Tampa, Florida, United States
24 – 28 January 2005

Status 0f Change Requests at TSG GERAN #23

Tdoc	Title	Source	Status
GP-050349	CR 03.55-A007 Missing cell identity in DTM Information message (R99)	Infineon	Revised
GP-050423	CR 03.55-A007 rev 1 Missing cell identity in DTM Information message (R99) (R99)	Infineon	Revised
GP-050580	CR 03.55-A007 rev 2 Missing cell identity in DTM Information message (R99) (R99)	Infineon	Approved
GP-050353	CR 04.18-A294 Missing cell identity in DTM Information message (R99)	Infineon	Revised
GP-050427	CR 04.18-A294 rev 1 Missing cell identity in DTM Information message (R99)	Infineon	Revised
GP-050594	CR 04.18-A294 rev 2 Missing cell identity in DTM Information message (R99)	Infineon	Approved
GP-050301	CR 04.31-A120 Correction of the ASN.1 code (R98)	Ericsson	Approved
GP-050410	CR 04.31-A120 rev 1 Correction of the ASN.1 code (R98)	Ericsson	Withdrawn
GP-050302	CR 04.31-A121 Correction of the ASN.1 code (R99)	Ericsson	Revised
GP-050411	CR 04.31-A121 rev 1 Correction of the ASN.1 code (R99)	Ericsson	Approved
GP-050334	CR 04.60-B141 CSN.1 coding modification of PSI14 extensions (R99)	Infineon	Revised
GP-050416	CR 04.60-B141 rev 1 CSN.1 coding modification of PSI14 extensions (R99)	Infineon	Approved
GP-050037	CR 05.03-A050 Correction to E-FACCH/F for E-TCH/F32.0 (R99)	Siemens	Approved
GP-050487	CR 05.03-A051 Interleaving for E-TCH/F 32.0 (R99)	Siemens	Approved
GP-050578	CR 24.008-xxx Extension of DTM to higher multislot classes (Rel-6)	Siemens	NA
GP-050035	CR 43.022-015 rev 1 Introduction of MBMS (Rel-6)	Siemens	Revised

Tdoc	Title	Source	Status
GP-050486	CR 43.022-015 rev 2 Introduction of MBMS (Rel-6)	Siemens	Revised
GP-050592	CR 43.022-015 rev 3 Introduction of MBMS (Rel-6)	Siemens	Approved
GP-050133	CR 43.022-016 Correction of references (Rel-6)	Siemens	Revised
GP-050491	CR 43.022-016 rev 1 Correction of references (Rel-6)	Siemens	Approved
GP-050095	CR 43.055-029 Introduction of Special Extended Dynamic Allocation for DTM (Rel 6)	Panasonic	Withdrawn
GP-050137	CR 43.055-030 Cell update after CS call establishment during packet session with downlink TBFs in DTM (Rel-6)	Siemens	Revised
GP-050443	CR 43.055-030 rev 1 Cell update after CS call establishment during packet session with downlink TBFs in DTM (Rel-6) (Rel-6)	Siemens	Withdrawn
GP-050288	CR 43.055-031 Extension of DTM to higher multislot classes (Rel-6)	Siemens	Revised
GP-050546	CR 43.055-031 rev 1 Extension of DTM to higher multislot classes (Rel-6)	Siemens	Postponed
GP-050350	CR 43.055-032 Missing cell identity in DTM Information message (Rel 4)	Infineon	Revised
GP-050424	CR 43.055-032 rev 1 Missing cell identity in DTM Information message (Rel-4)	Infineon	Revised
GP-050581	CR 43.055-032 rev 2 Missing cell identity in DTM Information message (Rel-4)	Infineon	Approved
GP-050351	CR 43.055-033 Missing cell identity in DTM Information message (Rel 5)	Infineon	Revised
GP-050425	CR 43.055-033 rev 1 Missing cell identity in DTM Information message (Rel-5)	Infineon	Revised
GP-050582	CR 43.055-033 rev 2 Missing cell identity in DTM Information message (Rel-5)	Infineon	Approved
GP-050352	CR 43.055-034 Missing cell identity in DTM Information message (Rel 6)	Infineon	Revised
GP-050426	CR 43.055-034 rev 1 Missing cell identity in DTM Information message (Rel-6)	Infineon	Revised
GP-050583	CR 43.055-034 rev 2 Missing cell identity in DTM Information message (Rel-6)	Infineon	Approved
GP-050357	CR 43.055-035 PS roaming while in DTM (Rel 6)	Infineon	Revised

Tdoc	Title	Source	Status
GP-050449	CR 43.055-035 rev 1 PS roaming while in DTM (Rel-6) (Rel-6)	Infineon	Approved
GP-050391	CR 43.064-028 : Clarification to multiple downlink TBF establishment and removal of DL TBF sharing (Rel-6)	Siemens	Revised
GP-050434	CR 43.064-028 rev 1 Clarification to multiple downlink TBF establishment and removal of DL TBF sharing (Rel-6) (Rel-6)	Siemens	Withdrawn
GP-050322	CR 43.129-001 Correction of data forwarding in case of inter-RAT PS Handover (Rel-6)	Ericsson	Revised
GP-050450	CR 43.129-001 rev 1 Correction of data forwarding in case of inter-RAT PS Handover (Rel-6) (Rel-6)	Ericsson	Approved
GP-050323	CR 43.129-002 “Layer 3 information” not used for PS Handover (Rel-6)	Ericsson	Approved
GP-050324	CR 43.129-003 Overview of New Primitives for PS HO (Rel-6)	Ericsson	Postponed
GP-050325	CR 43.129-004 Clarification of PDP Context Suspension during inter-SGSN GERAN A/Gb to GERAN A/Gb PS HO (Rel-6)	Ericsson	Revised
GP-050519	CR 43.129-004 rev 1 Clarification of PDP Context Suspension during inter-SGSN GERAN A/Gb to GERAN A/Gb PS HO (Rel-6) (Rel-6)	Ericsson	Revised
GP-050603	CR 43.129-004 rev 2 Clarification of PDP Context Suspension during inter-SGSN GERAN A/Gb to GERAN A/Gb PS HO (Rel-6) (Rel-6)	Ericsson	Approved
GP-050326	CR 43.129-005 PS Handover Cancel after failed PS Handover (Rel-6)	Ericsson	Approved
GP-050327	CR 43.129-006 SABM-UA exchange in case of LLC-ABM (Rel-6)	Ericsson	Approved
GP-050328	CR 43.129-007 Removal of Optionality for the PS Handover Access Message (Rel-6)	Ericsson	Postponed
GP-050330	CR 43.129-008 Transferring of UE RAC and START PS from the MS to the BSC (Rel-6)	Ericsson	Postponed
GP-050126	CR 43.246-017 Inter-RAT cell reselection for MBMS (Rel-6)	Siemens, Vodafone	Rejected
GP-050127	CR 43.246-018 Intra-RAT cell reselection for MBMS (Rel-6)	Siemens, Vodafone	Rejected
GP-050309	CR 43.246-019 Repeated Notification of an ongoing session (Rel-6)	Ericsson	Approved

Tdoc	Title	Source	Status
GP-050310	CR 43.246-020 Definition of when MBMS ASSIGNMENT is a distribution or non-distribution message (Rel-6)	Ericsson	Approved
GP-050311	CR 43.246-021 Update of sub-clause 6.1.1.3 (Rel-6)	Ericsson	Revised
GP-050438	CR 43.246-021 rev 1 Update of sub-clause 6.1.1.3 (Rel-6) (Rel-6)	Ericsson	Approved
GP-050312	CR 43.246-022 Access limitation definitions (Rel-6)	Ericsson	Revised
GP-050439	CR 43.246-022 rev 1 Access limitation definitions (Rel-6) (Rel-6)	Ericsson	Approved
GP-050369	CR 43.246-023 Deletion of MS ID	Ericsson, Nokia, Nortel, Qualcomm, Siemens, Telecom Italia S.p.A, Vodafone	Approved
GP-050396	CR 43.246-024 Clean-up to the MBMS stage 2	Ericsson, Nokia, Nortel, Qualcomm, Siemens, Telecom Italia, Vodafone	Revised
GP-050440	CR 43.246-024 rev 1 Clean-up to the MBMS stage 2	Ericsson, Nokia, Nortel, Qualcomm, Siemens, Telecom Italia, Vodafone	Revised
GP-050598	CR 43.246-024 rev 2 Clean-up to the MBMS stage 2	Ericsson, Nokia, Nortel, Qualcomm, Siemens, Telecom Italia, Vodafone	Approved
GP-050564	CR 43.246-025 Corrections related to Cell Re-Selecetion	Siemens	Approved
GP-050196	CR 44.006-004 Repeated FACCH (Rel-6)	Ericsson	Revised
GP-050561	CR 44.006-004 rev 1 Repeated FACCH (Rel-6)	Ericsson	Revised
GP-050588	CR 44.006-004 rev 2 Repeated FACCH (Rel-6)	Ericsson	Postponed
GP-050394	CR 44.018-392 rev 2 Introduction of MBMS Notification for MS in dedicated mode	Ericsson, Nokia, Nortel, Qualcomm, Siemens, Telecom Italia, Vodafone	Revised
GP-050524	CR 44.018-392 rev 3 Introduction of MBMS Notification for MS in dedicated mode (Rel-6)	Ericsson, Nokia, Nortel, Qualcomm, Siemens, Telecom Italia, Vodafone	Revised

Tdoc	Title	Source	Status
GP-050600	CR 44.018-392 rev 4 Introduction of MBMS Notification for MS in dedicated mode (Rel-6)	Ericsson, Nokia, Nortel, Qualcomm, Siemens, Telecom Italia, Vodafone	Approved
GP-050104	CR 44.018-399 Access bursts on VGCS channel (Rel 6)	Siemens	Revised
GP-050533	CR 44.018-399 rev 1 Access bursts on VGCS channel (Rel-6)	Siemens	Postponed
GP-050105	CR 44.018-400 Channel assignment for VGCS (Rel 6)	Siemens	Approved
GP-050106	CR 44.018-401 Correction to channel mode modify (Rel 6)	Siemens	Approved
GP-050107	CR 44.018-402 Cipher Key Sequence Number in Talker Indication (Rel 6)	Siemens	Revised
GP-050535	CR 44.018-402 rev 1 Cipher Key Sequence Number in Talker Indication (Rel-6)	Siemens	Approved
GP-050108	CR 44.018-403 NTN Rest Octets. (Rel 6)	Siemens	Revised
GP-050536	CR 44.018-403 rev 1 NTN Rest Octets. (Rel-6)	Siemens	Approved
GP-050109	CR 44.018-404 Group key not available on the USIM (Rel 6)	Siemens	Revised
GP-050537	CR 44.018-404 rev 1 Group key not available on the USIM (Rel-6)	Siemens	Approved
GP-050110	CR 44.018-405 VGCS Ciphering Parameters in P1 Rest Octets (Rel 6)	Siemens	Withdrawn
GP-050096	CR 44.018-406 Introduction of Special Extended Dynamic Allocation for DTM (Rel 6)	Panasonic	Withdrawn
GP-050138	CR 44.018-407 Cell update after CS call establishment during packet session with downlink TBFs in DTM (Rel-6)	Siemens	Revised
GP-050444	CR 44.018-407 rev 1 Cell update after CS call establishment during packet session with downlink TBFs in DTM (Rel-6)	Siemens	Withdrawn
GP-050231	CR 44.018-408 Provision of cell reselection parameters for neighbouring cells in the serving cell (Rel-6)	Nokia	Revised
GP-050531	CR 44.018-408 rev 1 Provision of cell reselection parameters for neighbouring cells in the serving cell (Rel-6)	Nokia	Approved
GP-050252	CR 44.018-409 Transmission of Notifications for VGCS on PCH (Rel 6)	Siemens	Revised

Tdoc	Title	Source	Status
GP-050566	CR 44.018-409 rev 1 Transmission of Notifications for VGCS on PCH (Rel-6)	Siemens	Approved
GP-050254	CR 44.018-410 Transmission of Physical Information on SACCH (Rel 6)	Siemens	Revised
GP-050445	CR 44.018-410 rev 1 Transmission of Physical Information on SACCH (Rel-6)	Siemens	Postponed
GP-050261	CR 44.018-411 Clarification on Notification response procedure (Rel 6)	Alcatel	Revised
GP-050567	CR 44.018-411 rev 1 Clarification on Notification response procedure (Rel-6)	Alcatel	Postponed
GP-050262	CR 44.018-412 Inconsistency of Group Channel Description (Rel 6)	Alcatel	Postponed
GP-050313	CR 44.018-413 Addition of MBMS Notification (Rel-6)	Ericsson	Revised
GP-050526	CR 44.018-413 rev 1 Addition of MBMS Notification (Rel-6)	Ericsson, Nokia, Nortel, Qualcomm, Siemens	Approved
GP-050314	CR 44.018-414 Addition of MBMS procedures in List of procedures (Rel-6)	Ericsson	Revised
GP-050528	CR 44.018-414 rev 1 Addition of MBMS procedures in List of procedures (Rel-6)	Ericsson	Approved
GP-050338	CR 44.018-415 Error handling for GTTP messages (Rel 6)	Infineon	Revised
GP-050446	CR 44.018-415 rev 1 Error handling for GTTP messages (Rel-6)	Infineon	Revised
GP-050604	CR 44.018-415 rev 2 Error handling for GTTP messages (Rel-6)	Infineon	Approved
GP-050339	CR 44.018-416 Usage of TLLI in the GTTP Information message (Rel 6)	Infineon	Revised
GP-050447	CR 44.018-416 rev 1 Usage of TLLI in the GTTP Information message (Rel-6)	Infineon	Approved
GP-050340	CR 44.018-417 Inconsistent coding of Format ID in variable bitmap format of Cell Channel Description IE (Rel 6)	Infineon	Approved
GP-050341	CR 44.018-418 Removal of reference to struct definition in 44.060 of GPRS broadcast information IE (Rel 6)	Infineon	Revised
GP-050448	CR 44.018-418 rev 1 Removal of reference to struct definition in 44.060 of GPRS broadcast information IE (Rel-6)	Infineon	Revised

Tdoc	Title	Source	Status
GP-050605	CR 44.018-418 rev 2 Removal of reference to struct definition in 44.060 of GPRS broadcast information IE (Rel-6)	Infineon	Approved
GP-050354	CR 44.018-419 Missing cell identity in DTM Information message (R99)	Infineon	Revised
GP-050428	CR 44.018-419 rev 1 Missing cell identity in DTM Information message (Rel-4)	Infineon	Revised
GP-050595	CR 44.018-419 rev 2 Missing cell identity in DTM Information message (Rel-4)	Infineon	Approved
GP-050355	CR 44.018-420 Missing cell identity in DTM Information message (Rel 4)	Infineon	Revised
GP-050429	CR 44.018-420 rev 1 Missing cell identity in DTM Information message (Rel-5)	Infineon	Revised
GP-050596	CR 44.018-420 rev 2 Missing cell identity in DTM Information message (Rel-5)	Infineon	Approved
GP-050356	CR 44.018-421 Missing cell identity in DTM Information message (Rel 5)	Infineon	Revised
GP-050430	CR 44.018-421 rev 1 Missing cell identity in DTM Information message (Rel-6)	Infineon	Revised
GP-050597	CR 44.018-421 rev 2 Missing cell identity in DTM Information message (Rel-6)	Infineon	Approved
GP-050361	CR 44.018-422 Correction to releasing packet resources on receipt of HANDOVER COMMAND or ASSIGNMENT COMMAND while in DTM mode	Motorola	Withdrawn
GP-050378	CR 44.018-423 Update of measurement parameters via MEASUREMENT INFORMATION message. (Rel 6)	STMicroelectronics	Postponed
GP-050379	CR 44.018-424 Update of NC Measurement and Reporting parameters procedure via SI2quater (Rel 6)	STMicroelectronics	Postponed
GP-050389	CR 44.018-425 Maintaining BA (list) after the intracell change of channel (Rel 6)	Nokia	Revised
GP-050565	CR 44.018-425 rev 1 Maintaining BA (list) after the intracell change of channel (Rel-6)	Nokia	Approved
GP-050393	CR 44.018-426 Repeated FACCH (Rel-6)	Ericsson	Revised
GP-050589	CR 44.018-426 rev 1 Repeated FACCH (Rel-6)	Ericsson	Posponed
GP-050435	CR 44.018-427 Correction of the mobile behaviour at packet access failure (Rel-6)	TSG GERAN WG2	Revised

Tdoc	Title	Source	Status
GP-050607	CR 44.018-427 rev 1 Correction of the mobile behaviour at packet access failure (Rel-6)	TSG GERAN WG2	Approved
GP-050364	CR 44.018-428 Correcting wrong references to section 10.5.1 (common information elements) (Rel 6)	Nortel Networks, MCC	Approved
GP-050303	CR 44.031-129 Correction of the ASN.1 code (Rel-4)	Ericsson	Approved
GP-050412	CR 44.031-129 rev 1 Correction of the ASN.1 code (Rel-4)	Ericsson	Withdrawn
GP-050304	CR 44.031-130 Correction of the ASN.1 code (Rel-5)	Ericsson	Approved
GP-050413	CR 44.031-130 rev 1 Correction of the ASN.1 code (Rel-5)	Ericsson	Withdrawn
GP-050305	CR 44.031-131 Correction of the ASN.1 code (Rel-6)	Ericsson	Revised
GP-050414	CR 44.031-131 rev 1 Correction of the ASN.1 code (Rel-6)	Ericsson	Approved
GP-050372	CR 44.031-132 Corrections to units in Navigation Model	Spirent Communications	Approved
GP-050395	CR 44.060-577 rev 2 Introduction of MBMS Notification for MS in packet transfer mode	Ericsson, Nokia, Nortel, Qualcomm, Siemens, Telecom Italia, Vodafone	Revised
GP-050525	CR 44.060-577 rev 3 Introduction of MBMS Notification for MS in packet transfer mode (Rel-6)	Ericsson, Nokia, Nortel, Qualcomm, Siemens, Telecom Italia, Vodafone	Approved
GP-050268	CR 44.060-584 rev 2: Addition of MBMS address assignment procedure and MBMS MS_ID ASSIGNMENT message (Rel-6)	Ericsson, Nokia, Nortel, Qualcomm, Siemens, Telecom Italia S.p.A., Vodafone	Revised
GP-050441	CR 44.060-584 rev 3 Addition of MBMS address assignment procedure and MBMS MS_ID ASSIGNMENT message (Rel-6)	Ericsson, Nokia, Nortel, Qualcomm, Siemens, Telecom Italia S.p.A., Vodafone	Approved
GP-050270	CR 44.060-591 rev 2: Addition of release of an MBMS radio bearer (Rel-6)	Ericsson, Nokia, Nortel, Qualcomm, Siemens, Telecom Italia S.p.A., Vodafone	Revised
GP-050522	CR 44.060-591 rev 3 Addition of release of an MBMS radio bearer (Rel-6)	Ericsson, Nokia, Nortel, Qualcomm, Siemens, Telecom Italia S.p.A., Vodafone	Approved

Tdoc	Title	Source	Status
GP-050523	CR 44.060-603 rev 3 RLC data block transfer during an MBMS radio bearer (Rel-6)	Ericsson, Nokia, Nortel, Qualcomm, Siemens, Telecom Italia, Vodafone	Approved
GP-050130	CR 44.060-605 Parameters for MBMS cell reselection (Rel-6)	Siemens, Vodafone	Withdrawn
GP-050131	CR 44.060-606 Definition of broadcast/multicast receive mode (Rel-6)	Ericsson, Nokia, Nortel, Qualcomm, Siemens, Telecom Italia S.p.A., Vodafone	Approved
GP-050132	CR 44.060-607 Correction of MBMS messages (Rel-6)	Siemens	Revised
GP-050529	CR 44.060-607 rev 1 Correction of MBMS messages (Rel-6)	Siemens	Revised
GP-050601	CR 44.060-607 rev 2 Correction of MBMS messages (Rel-6)	Siemens	Approved
GP-050097	CR 44.060-608 Introduction of Special Extended Dynamic Allocation for DTM (Rel 6)	Panasonic	Withdrawn
GP-050136	CR 44.060-609 Provision of NC Parameters to Mobile in Packet CS Release Indication message (Rel-6)	Siemens	Withdrawn
GP-050232	CR 44.060-610 Provision of cell reselection parameters for neighbouring cells in the serving cell (Rel-6)	Nokia	Revised
GP-050532	CR 44.060-610 rev 1 Provision of cell reselection parameters for neighbouring cells in the serving cell (Rel-6)	Nokia	Approved
GP-050269	CR 44.060-611 Addition of reconfiguration of an MBMS radio bearer (Rel-6)	Ericsson, Nokia, Nortel, Qualcomm, Siemens, Telecom Italia S.p.A., Vodafone	Revised
GP-050442	CR 44.060-611 rev 1 Addition of reconfiguration of an MBMS radio bearer (Rel-6)	Ericsson, Nokia, Nortel, Qualcomm, Siemens, Telecom Italia S.p.A., Vodafone	Postponed
GP-050277	CR 44.060-612 Correction to use of PFI in multiple TBF procedures (Rel-6)	Siemens	Withdrawn
GP-050290	CR 44.060-613 Editorial corrections (Rel-6)	Siemens	Revised
GP-050571	CR 44.060-613 rev 1 Editorial corrections (Rel-6)	Siemens	Approved

Tdoc	Title	Source	Status
GP-050315	CR 44.060-614 Addition of MBMS packet access procedure on MPRACH (Rel-6)	Ericsson	Revised
GP-050530	CR 44.060-614 rev 1 Addition of MBMS packet access procedure on MPRACH (Rel-6)	Ericsson	Postponed
GP-050316	CR 44.060-615 Addition of MBMS Notification (Rel-6)	Ericsson	Revised
GP-050527	CR 44.060-615 rev 1 Addition of MBMS Notification (Rel-6)	Ericsson, Nokia, Nortel, Qualcomm, Siemens	Revised
GP-050602	CR 44.060-615 rev 2 Addition of MBMS Notification (Rel-6)	Ericsson, Nokia, Nortel, Qualcomm, Siemens	Approved
GP-050317	CR 44.060-616 Handling of TLLI changes due to a routing area update (Rel-6)	Ericsson	Postponed
GP-050331	CR 44.060-617 Inclusion of support for PS Handover for GERAN A/Gb mode (Rel-6)	Ericsson	Postponed
GP-050333	CR 44.060-618 Inconsistent CSN.1 coding in PUA message (Rel 6)	Infineon	Approved
GP-050335	CR 44.060-619 CSN.1 coding modification of PSI14 extensions (Rel 4)	Infineon	Revised
GP-050417	CR 44.060-619 rev 1 CSN.1 coding modification of PSI14 extensions (Rel-4)	Infineon	Approved
GP-050336	CR 44.060-620 CSN.1 coding modification of PSI14 extensions (Rel 5)	Infineon	Revised
GP-050418	CR 44.060-620 rev 1 CSN.1 coding modification of PSI14 extensions (Rel-5)	Infineon	Approved
GP-050337	CR 44.060-621 CSN.1 coding modification of PSI14 extensions (Rel 6)	Infineon	Revised
GP-050419	CR 44.060-621 rev 1 CSN.1 coding modification of PSI14 extensions (Rel-6)	Infineon	Approved
GP-050342	CR 44.060-622 Validity of the PNCD information (Rel 4)	Infineon	Revised
GP-050420	CR 44.060-622 rev 1 Validity of the PNCD information (Rel-4)	Infineon	Approved
GP-050343	CR 44.060-623 Validity of the PNCD information (Rel 5)	Infineon	Revised
GP-050421	CR 44.060-623 rev 1 Validity of the PNCD information (Rel-5)	Infineon	Approved
GP-050344	CR 44.060-624 Validity of the PNCD information (Rel 6)	Infineon	Revised

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GP-050422	CR 44.060-624 rev 1 Validity of the PNCD information (Rel-6)	Infineon	Approved
GP-050345	CR 44.060-625 Usage of the RANDOM_ACCESS_RETRY flag in Abnormal cell reselection (Rel 5)	Infineon	Revised
GP-050431	CR 44.060-625 rev 1 Usage of the RANDOM_ACCESS_RETRY flag in Abnormal cell reselection (Rel-5)	Infineon	Revised
GP-050584	CR 44.060-625 rev 2 Usage of the RANDOM_ACCESS_RETRY flag in Abnormal cell reselection (Rel-5)	Infineon	Approved
GP-050346	CR 44.060-626 Usage of the RANDOM_ACCESS_RETRY flag in Abnormal cell reselection (Rel 6)	Infineon	Revised
GP-050432	CR 44.060-626 rev 1 Usage of the RANDOM_ACCESS_RETRY flag in Abnormal cell reselection (Rel-6)	Infineon	Revised
GP-050585	CR 44.060-626 rev 2 Usage of the RANDOM_ACCESS_RETRY flag in Abnormal cell reselection (Rel-6)	Infineon	Approved
GP-050359	CR 44.060-627 Extended Dynamic Allocation: PACCH operation clarifications in case of Concurrent TBF (Rel6)	Motorola	Revised
GP-050579	CR 44.060-627 rev 1 Extended Dynamic Allocation: PACCH operation clarifications in case of Concurrent TBF (Rel-6)	Motorola	Revised
GP-050609	CR 44.060-627 rev 2 Extended Dynamic Allocation: PACCH operation clarifications in case of Concurrent TBF (Rel-6)	Motorola	Approved
GP-050363	CR 44.060-628 Uncoupling BSS paging coordination in GPRS NMO II / III and in DTM (Rel 6)	Nortel Networks	Approved
GP-050365	CR 44.060-629 PFI inclusion not allowed at TBF establishment if PFC not supported by the network (Rel 6)	Nortel Networks	Approved
GP-050368	CR 44.060-630 Multiple TBF operation in extended uplink TBF mode (Rel-6)	Nokia	Revised
GP-050437	CR 44.060-630 rev 1 Multiple TBF operation in extended uplink TBF mode (Rel-6)	Nokia	Approved
GP-050380	CR 44.060-631 Update of NC Measurement and Reporting parameters procedure via SI2quater (Rel 6)	STMicroelectronics	Postponed

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GP-050436	CR 44.060-632 Correction of the mobile behaviour at packet access failure (Rel-6)	TSG GERAN WG2	Revised
GP-050608	CR 44.060-632 rev 1 Correction of the mobile behaviour at packet access failure (Rel-6)	TSG GERAN WG2	Approved
GP-050521	CR 44.060-633 Introduction of GPRS Power Control Parameters IE (Rel-6)	Infinion	Approved
GP-050433	CR 44.060-634 Correction to multiple TBF procedures after one phase access (Rel-6)	Siemens	Approved
GP-050094	CR 45.002-092 Correction to mapping of uplink packet channel (Rel 6)	Panasonic	Approved
GP-050134	CR 45.002-093 Introduction of Special Extended Dynamic Allocation for DTM (Rel-6)	Panasonic	Withdrawn
GP-050142	CR 45.002-094 High multislot class operation on a "d = 1, u = 4" allocation in a legacy network. (Rel-5)	Nokia,	Revised
GP-050481	CR 45.002-094 rev 1 High multislot class operation on a "d = 1, u = 4" allocation in a legacy network. (Rel-5)	Nokia,	Approved
GP-050143	CR 45.002-095 High multislot class operation on a "d = 1, u = 4" allocation in a legacy network. (Rel-6)	Nokia,	Revised
GP-050482	CR 45.002-095 rev 1 High multislot class operation on a "d = 1, u = 4" allocation in a legacy network. (Rel-6)	Nokia,	Approved
GP-050229	CR 45.002-096 Provision of cell reselection parameters for neighbouring cells in the serving cell (Rel-6)	Nokia	Approved
GP-050034	CR 45.003-047 Inclusion of 60ms interleaving for FLO (Rel-6)	Siemens	Revised
GP-050485	CR 45.003-047 rev 1 Inclusion of 60ms interleaving for FLO (Rel-6)	Siemens	Approved
GP-050038	CR 45.003-048 Correction to E-FACCH/F for E-TCH/F32.0 (Rel-4)	Siemens	Approved
GP-050039	CR 45.003-049 Correction to E-FACCH/F for E-TCH/F32.0 (Rel-5)	Siemens	Approved
GP-050040	CR 45.003-050 Correction to E-FACCH/F for E-TCH/F32.0 (Rel-6)	Siemens	Approved
GP-050488	CR 45.003-051 Interleaving for E-TCH/F 32.0 (Rel 4)	Siemens	Approved
GP-050489	CR 45.003-052 Interleaving for E-TCH/F 32.0 (Rel 4)	Siemens	Approved
GP-050490	CR 45.003-053 Interleaving for E-TCH/F 32.0 (Rel 4)	Siemens	Approved

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GP-050041	CR 45.005-098 Table 1i non-existent (Rel-6)	Siemens	Approved
GP-050144	CR 45.005-099 Removal of a restriction to support full power on two slots on 1800/1900 frequency bands, for certain multiband terminal designs. (Rel-5)	Nokia,	Approved
GP-050145	CR 45.005-100 Removal of a restriction to support full power on two slots on 1800/1900 frequency bands, for certain multiband terminal designs. (Rel-6)	Nokia,	Approved
GP-050192	CR 45.005-101 DARP – removal of brackets plus one clarification (Rel-6)	Ericsson	Approved
GP-050195	CR 45.005-102 Performance requirements for Repeated FACCH (Rel-6)	Ericsson	Revised
GP-050562	CR 45.005-102 rev 1 Performance requirements for Repeated FACCH (Rel-6)	Ericsson	Revised
GP-050590	CR 45.005-102 rev 2 Performance requirements for Repeated FACCH (Rel-6)	Ericsson	Postponed
GP-050128	CR 45.008-252 Inter-RAT cell reselection for MBMS (Rel-6)	Siemens, Vodafone	Rejected
GP-050129	CR 45.008-253 Intra-RAT cell reselection for MBMS (Rel-6)	Siemens, Vodafone	Rejected
GP-050146	CR 45.008-254 Correction for maximum TX power for CS access on common BCCH cells. (Rel-6)	Nokia,	Revised
GP-050587	CR 45.008-254 rev 1 Correction for maximum TX power for CS access on common BCCH cells. (Rel-6)	Nokia,	Approved
GP-050230	CR 45.008-255 Provision of cell reselection parameters for neighbouring cells in the serving cell (Rel-6)	Nokia	Revised
GP-050483	CR 45.008-255 rev 1 Provision of cell reselection parameters for neighbouring cells in the serving cell (Rel-6)	Nokia	Approved
GP-050256	CR 45.008-256 CPICH RSCP based criterion for GERAN to UTRAN FDD cell reselection (Rel 5)	Motorola	Rejected
GP-050257	CR 45.008-257 CPICH RSCP based criterion for GERAN to UTRAN FDD cell reselection (Rel 6)	Motorola	Rejected
GP-050278	CR 45.008-258 Clarifications to PR mode B (Rel-6)	Alcatel	Approved
GP-050347	CR 45.008-259 Usage of the RANDOM_ACCESS_RETRY flag in Abnormal cell reselection (Rel 5)	Infineon	Withdrawn

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GP-050348	CR 45.008-260 Usage of the RANDOM_ACCESS_RETRY flag in Abnormal cell reselection (Rel 6)	Infineon	Withdrawn
GP-050297	CR 45.008-261 Correction of reference specification for mapping of 3G measurements (Rel 6)	Nortel	Approved
GP-050381	CR 45.008-262 Definition of default values for control parameters (Rel 6)	STMicroelectronics	Postponed
GP-050139	CR 45.010-031 Timing Advance for multiple TBFs in Packet Transfer mode. (Rel-6)	Siemens	Approved
GP-050289	CR 45.010-032 Timing Advance for MBMS (Rel-6)	Siemens	Approved
GP-050036	CR 45.050-003 Correction of figures for MBMS (Rel-6)	Siemens	Approved
GP-050033	CR 45.902-024 Inclusion of 60ms interleaving for FLO (Rel-6)	Siemens	Revised
GP-050484	CR 45.902-024 rev 1 Inclusion of 60ms interleaving for FLO (Rel-6)	Siemens	Approved
GP-050010	CR 48.008-137 Timers for the VGCS uplink control procedure (Rel 4)	Hughes Software Systems	Withdrawn
GP-050011	CR 48.008-138 Timers for the VGCS uplink control procedure (Rel 5)	Hughes Software Systems	Withdrawn
GP-050012	CR 48.008-139 Timers for the VGCS uplink control procedure (Rel 6)	Hughes Software Systems	Withdrawn
GP-050111	CR 48.008-143 Assignment Requirement IE for VGCS (Rel 6)	Siemens	Withdrawn
GP-050112	CR 48.008-144 Clarification on the provision of VGCS ciphering parameters (Rel 6)	Siemens	Revised
GP-050538	CR 48.008-144 rev 1 Clarification on the provision of VGCS ciphering parameters (Rel-6)	Siemens	Approved
GP-050113	CR 48.008-145 Correction to Encryption Information IE for VGCS (Rel 6)	Siemens	Revised
GP-050539	CR 48.008-145 rev 1 Correction to Encryption Information IE for VGCS (Rel-6)	Siemens	Approved
GP-050114	CR 48.008-146 Cell broadcast point in BSS (Rel 6)	Siemens	Postponed
GP-050255	CR 48.008-147 Paging Information (Rel 6)	Siemens	Approved
GP-050259	CR 48.008-148 Miscellaneous editorial changes (Rel 6)	Alcatel	Revised

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GP-050540	CR 48.008-148 rev 1 Miscellaneous editorial changes (Rel-6)	Alcatel	Approved
GP-050260	CR 48.008-149 Group Call Reference handling by the MSC (Rel 6)	Alcatel	Approved
GP-050280	CR 48.008-150 Paging for VGCS group members (Rel-6)	Nokia	Withdrawn
GP-050399	CR 48.008-151 Correction of VGCS uplink seize description (Rel 6)	T-mobile, HSS	Revised
GP-050568	CR 48.008-151 rev 1 Correction of VGCS uplink seize description (Rel-6)	T-mobile, Hughes Software Systems	Postponed
GP-050306	CR 48.016-019 Moving of data flow when marking remote IP endpoint non-operational (Rel-4)	Ericsson	Rejected
GP-050307	CR 48.016-020 Moving of data flow when marking remote IP endpoint non-operational (Rel-5)	Ericsson	Rejected
GP-050308	CR 48.016-021 Moving of data flow when marking remote IP endpoint non-operational (Rel-6)	Ericsson	Revised
GP-050415	CR 48.016-021 rev 1 Moving of data flow when marking remote IP endpoint non-operational (Re-6)	Ericsson	Approved
GP-050318	CR 48.016-022 Selection of remote IP endpoint for Point-to-Multipoint NS-SDUs (Rel-6)	Ericsson	Postponed
GP-050376	CR 48.018-113 rev 2 SI3 RIM application	Siemens	Postponed
GP-050377	CR 48.018-114 rev 2 MBMS Data Channel RIM application	Siemens	Postponed
GP-050319	CR 48.018-120:Identifying Session ID as optional (Rel-6)	Ericsson	Approved
GP-050320	CR 48.018-121 No data received after an MBMS SESSION START REQUEST (Rel-6)	Ericsson	Postponed
GP-050332	CR 48.018-122 Inclusion of support for PS Handover for GERAN A/Gb mode (Rel-6)	Ericsson	Postponed
GP-050013	CR 48.058-014 rev 1 Incorrect length of group call reference IE (Rel 6)	Hughes Software Systems	Revised
GP-050569	CR 48.058-014 rev 2 Incorrect length of group call reference IE (Rel-6)	Hughes Software Systems	Approved
GP-050014	CR 48.058-017 Incorrect length of the eMLPP priority (Rel 6)	Hughes Software Systems	Revised
GP-050570	CR 48.058-017 rev 1 Incorrect length of the eMLPP priority (Rel-6)	Hughes Software Systems	Approved

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GP-050263	CR 48.058-018 Inconsistency of Group Channel Description (Rel 6)	Alcatel	Postponed
GP-050264	CR 48.058-019 Wrong length of *eMLPP Priority* IE in the PAGING COMMAND message (Rel 6)	Alcatel	Withdrawn
GP-050362	CR 49.031-038 Adding of IMSI and IMEI to PERFORM LOCATION REQUEST message (Rel 6)	Nortel Networks	Postponed
GP-050007	CR 51.010-1-2612 60 Corrections to inter-RAT test cases (Rel-6)	MCC	Revised
GP-050475	CR 51.010-1-2612 rev 1 60 Corrections to inter-RAT test cases (Rel-6)	MCC	Approved
GP-050009	CR 51.010-1-2613 Correction to test case 18.1 Temporary reception gaps, single slot	Texas Instruments	Approved
GP-050018	CR 51.010-1-2614 20.22.4 : Bad parameters after cell reselection	Wavecom	Approved
GP-050019	CR 51.010-1-2615 42.4.8.4.1 – Addition of time to allow BSIC decoding	Wavecom	Approved
GP-050020	CR 51.010-1-2616 42.4.8.4.3 – Addition of time to allow BSIC decoding	Wavecom	Approved
GP-050021	CR 51.010-1-2617 42.3.1.2.2 - Introduction of T_RESEL parameters	Wavecom	Approved
GP-050022	CR 51.010-1-2618 42.3.1.2.3 - Introduction of T_RESEL parameters	Wavecom	Approved
GP-050023	CR 51.010-1-2619 42.4.4.4 - Removal of the TC as it is not testing the 'Test Purpose'	Wavecom	Approved
GP-050024	CR 51.010-1-2620 42.4.4.4 – Use of CS call instead of Data transfer.	Wavecom	Withdrawn
GP-050026	CR 51.010-1-2622 Section 42.4.8.4.1 Network Control measurement reporting / NC_FREQUENCY_LIST / NC_FREQUENCY_LIST in Packet measurement order.	Setcom	Approved
GP-050027	CR 51.010-1-2623 Section 40 DTM_SUPPORT bit set to 1 in the GPRS cell options IE for all DTM messages	Setcom	Revised
GP-050460	CR 51.010-1-2623 rev 1 Section 40 DTM_SUPPORT bit set to 1 in the GPRS cell options IE for all DTM messages	Setcom	Revised
GP-050509	CR 51.010-1-2623 rev 2 Section 40 DTM_SUPPORT bit set to 1 in the GPRS cell options IE for all DTM messages	Setcom	Revised
GP-050549	CR 51.010-1-2623 rev 3 Section 40 DTM_SUPPORT bit set to 1 in the GPRS cell options IE for all DTM messages	Setcom	Approved

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GP-050028	CR 51.010-1-2624 Section 42.4.2.3.5 Packet Measurement order procedure / Downlink transfer / Normal case/ Routing Area Update/ NMO I	Setcom	Revised
GP-050463	CR 51.010-1-2624 rev 1 Section 42.4.2.3.5 Packet Measurement order procedure / Downlink transfer / Normal case/ Routing Area Update/ NMO I	Setcom	Approved
GP-050029	CR 51.010-1-2625 Section 42.3.1.1.9 Dynamic Allocation / Uplink Transfer / Normal / Frequency parameters	Setcom	Revised
GP-050464	CR 51.010-1-2625 rev 1 Section 42.3.1.1.9 Dynamic Allocation / Uplink Transfer / Normal / Frequency parameters	Setcom	Withdrawn
GP-050030	CR 51.010-1-2626 BCCH carrier of cell C modified in testcases 42.4.8.4.4 and 42.4.8.4.5	Setcom	Revised
GP-050465	CR 51.010-1-2626 rev 1 BCCH carrier of cell C modified in testcases 42.4.8.4.4 and 42.4.8.4.5	Setcom	Revised
GP-050550	CR 51.010-1-2626 rev 2 BCCH carrier of cell C modified in testcases 42.4.8.4.4 and 42.4.8.4.5	Setcom	Approved
GP-050031	CR 51.010-1-2627 41.1.1.4 RR / Paging / on PCCCH for GPRS service / paging reorganisation successful	Setcom	Withdrawn
GP-050032	CR 51.010-1-2628 51.1.1.4 RR / Paging / on PCCCH for GPRS service / paging reorganisation successful	Setcom	Withdrawn
GP-050042	CR 51.010-1-2629 41.5.1.1.2.3.5 - Correction to Related PICS/PIXIT Statement	7Layers AG	Approved
GP-050044	CR 51.010-1-2630 41.5.2.4 - Remove unnecessary requirement for TCH/H	Anite	Approved
GP-050045	CR 51.010-1-2631 42.4.5.4 - Various corrections to test procedure, test sequence and specific message contents	Anite	Approved
GP-050046	CR 51.010-1-2632 42.4.5.8 - Correction of step numbering in test sequence	Anite	Approved
GP-050047	CR 51.010-1-2633 42.4.5.9 - Various corrections to test procedure, test sequence and specific message contents	Anite	Approved
GP-050048	CR 51.010-1-2634 44.2.8.1.2/3 - Correction to specific message content	Anite	Approved
GP-050049	CR 51.010-1-2635 47.3.3.1.1 - Correction to specific message content	Anite	Approved
GP-050050	CR 51.010-1-2636 47.3.3.1.2 - Correction to specific message content and expected sequence	Anite	Approved

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GP-050060	CR 51.010-1-2637 60.4 - Add Authentication Procedure after Step 5 of the expected sequence.	Anite	Approved
GP-050061	CR 51.010-1-2638 41.3.1.1 - Provision for Two-Phase Access added in the expected sequence	Anite	Approved
GP-050062	CR 51.010-1-2639 41.2.3.x - Handling of MS requesting one phase access.	Anite	Revision
GP-050461	CR 51.010-1-2639 rev 1 41.2.3.x - Handling of MS requesting one phase access.	Anite	Approved
GP-050063	CR 51.010-1-2640 42.3.3.1.3 - Remove unnecessary checking of number of received RLC blocks.	Anite	Revision
GP-050511	CR 51.010-1-2640 rev 1 42.3.3.1.3 - Remove unnecessary checking of number of received RLC blocks.	Anite	Approved
GP-050064	CR 51.010-1-2641 42.3.3.2.2 - Correction to step numbering.	Anite	Approved
GP-050065	CR 51.010-1-2642 42.3.3.x - Correction to SMS radio priority level.	Anite	Withdrawn
GP-050066	CR 51.010-1-2643 42.1.2.1.8.x - Handling of MS requesting one phase access.	Anite	Revised
GP-050466	CR 51.010-1-2643 rev 1 42.1.2.1.8.x - Handling of MS requesting one phase access.	Anite	Approved
GP-050067	CR 51.010-1-2644 42.1.2.1.x - Allow for two phase access	Anite	Approved
GP-050068	CR 51.010-1-2645 51.3.1.1 - Provision for Two-Phase Access added in the expected sequence	Anite	Approved
GP-050069	CR 51.010-1-2646 51.2.3.x - Handling of MS requesting one phase access.	Anite	Revised
GP-050480	CR 51.010-1-2646 rev 1 51.2.3.x - Handling of MS requesting one phase access.	Anite	Approved
GP-050070	CR 51.010-1-2647 52.3.3.1.3 - Remove unnecessary checking of number of received RLC blocks.	Anite	Revised
GP-050512	CR 51.010-1-2647 rev 1 52.3.3.1.3 - Remove unnecessary checking of number of received RLC blocks.	Anite	Approved
GP-050071	CR 51.010-1-2648 52.3.3.2.2 - Correction to step numbering.	Anite	Approved
GP-050072	CR 51.010-1-2649 52.3.3.x - Correction to SMS radio priority level.	Anite	Withdrawn

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GP-050073	CR 51.010-1-2650 52.1.2.1.8.x - Handling of MS requesting one phase access.	Anite	Revised
GP-050467	CR 51.010-1-2650 rev 1 52.1.2.1.8.x - Handling of MS requesting one phase access.	Anite	Approved
GP-050074	CR 51.010-1-2651 52.1.2.1.x - Allow for two phase access	Anite	Approved
GP-050075	CR 51.010-1-2652 70.8.x - Remove redundant CM SERVICE ACCEPT message.	Anite	Approved
GP-050076	CR 51.010-1-2653 Modification to the timing requirements of the testcase 20.22.13.	SASKEN	Approved
GP-050077	CR 51.010-1-2654 Modification to the testcase 20.22.5.	SASKEN	Withdrawn
GP-050078	CR 51.010-1-2655 Changes in the testcase 41.2.2.3	SASKEN	Withdrawn
GP-050079	CR 51.010-1-2656 Removing the macro used for the cell update in testcase 41.3.6.6.	SASKEN	Revised
GP-050547	CR 51.010-1-2656 rev 1 Removing the macro used for the cell update in testcase 41.3.6.6.	SASKEN	Approved
GP-050080	CR 51.010-1-2657 Correction to the testcase 41.3.6.9.	SASKEN	Approved
GP-050081	CR 51.010-1-2658 Changes in the testcase 41.5.1.1.1.3	SASKEN	Revised
GP-050494	CR 51.010-1-2658 rev 1 Changes in the testcase 41.5.1.1.1.3	SASKEN	Approved
GP-050082	CR 51.010-1-2659 Changes in the PICS/PIXIT statement of the testcase 41.5.1.1.2.3.4	SASKEN	Approved
GP-050083	CR 51.010-1-2660 Changes in the testcase 41.5.2.1	SASKEN, Rohde & Schwarz	Approved
GP-050084	CR 51.010-1-2661 Changes in the testcase 41.5.2.4	SASKEN	Approved
GP-050085	CR 51.010-1-2662 Corrections in the expected sequence 42.3.1.1.10.	SASKEN	Approved
GP-050086	CR 51.010-1-2663 Removing the reference to the non-existing section in specific message contents in the testcase 42.3.3.3.	SASKEN	Approved
GP-050087	CR 51.010-1-2664 Changes in the testcase 42.4.2.3.3	SASKEN	Revised
GP-050468	CR 51.010-1-2664 rev 1 Changes in the testcase 42.4.2.3.3	SASKEN	Approved
GP-050088	CR 51.010-1-2665 Changes in the testcase 51.2.2.3	SASKEN	Withdrawn

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GP-050089	CR 51.010-1-2666 Removing the macro used for the cell update in testcase 51.3.6.6.	SASKEN	Revised
GP-050548	CR 51.010-1-2666 rev 1 Removing the macro used for the cell update in testcase 51.3.6.6.	SASKEN	Approved
GP-050090	CR 51.010-1-2667 Changes in the testcase 51.3.6.9.	SASKEN	Approved
GP-050091	CR 51.010-1-2668 Removing the reference to the non-existing section in specific message content of the testcase 52.3.3.3.	SASKEN	Approved
GP-050092	CR 51.010-1-2669 Changes in the initial conditions of the testcases in sec 60.	SASKEN	Approved
GP-050099	CR 51.010-1-2670 Removal of Single Slot allocation for DTM	Ericsson	Withdrawn
GP-050100	CR 51.010-1-2671 Correction to test case 20.22.29	Ericsson	Approved
GP-050101	CR 51.010-1-2672 Correction to test case 42.4.5.3	Ericsson	Revised
GP-050469	CR 51.010-1-2672 rev 1 Correction to test case 42.4.5.3	Ericsson	Approved
GP-050102	CR 51.010-1-2673 Section 14.7.1 Blocking and spurious response - speech channels	Rohde & Schwarz	Revised
GP-050459	CR 51.010-1-2673 rev 1 Section 14.7.1 Blocking and spurious response - speech channels	Rohde & Schwarz	Revised
GP-050505	CR 51.010-1-2673 rev 2 Section 14.7.1 Blocking and spurious response - speech channels	Rohde & Schwarz	Approved
GP-050103	CR 51.010-1-2674 Section 22.8 EGPRS Uplink Power Control - Use of and CH parameters	Rohde & Schwarz	Approved
GP-050115	CR 51.010-1-2675 41.2.1.1 - Change in the Network Mode of Operation	Anite	Approved
GP-050116	CR 51.010-1-2676 46.1.2.2.3 - Correcting the SAPI	Anite	Approved
GP-050117	CR 51.010-1-2677 42.8.4 - Removing redundant Steps	Anite	Approved
GP-050118	CR 51.010-1-2678 51.2.1.1 - Change in the Network Mode of Operation	Anite	Approved
GP-050119	CR 51.010-1-2679 Section 11 General Tests	CETECOM	Approved
GP-050120	CR 51.010-1-2680 Section 26.12.3 EFR Signalling / Structured procedures / MS originated call / late assignment	CETECOM	Approved
GP-050121	CR 51.010-1-2681 Section 26.12.4 Structured Procedures / MS terminated call / early assignment	CETECOM	Approved

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GP-050122	CR 51.010-1-2682 Section 26.12.5 Structured Procedures / emergency call	CETECOM	Approved
GP-050123	CR 51.010-1-2683 Section 26.12.8 Default contents of layer 3 messages for Enhanced Full rate speech tests.	CETECOM	Approved
GP-050147	CR 51.010-1-2684 Section 17- 17.2- Inter cell handover - New test case and addition to handover procedure to R99 and newer mobiles.	Rohde & Schwarz	Withdrawn
GP-050148	CR 51.010-1-2685 Section 17.3 - Inter cell handover, synchronized cell – New test proposed	Rohde & Schwarz	Withdrawn
GP-050149	CR 51.010-1-2686 Section 26.6.3.6 - Measurement / multiband environment - Removed Ext-Ind from SI2ter and SI5ter. PCS band added.	Rohde & Schwarz	Approved
GP-050150	CR 51.010-1-2687 Section 26.6.5.3 - Handover / successful / active call / finely synchronized	Rohde & Schwarz	Approved
GP-050151	CR 51.010-1-2688 Section 26.6.5.9 - Handover / layer 1 failure	Rohde & Schwarz	Approved
GP-050152	CR 51.010-1-2689 Section 26.7.4 Location updating	Rohde & Schwarz	Approved
GP-050153	CR 51.010-1-2690 Section 26.9.7 - Directed Retry / Mobile Originated Call - PCS band missing.	Rohde & Schwarz	Approved
GP-050154	CR 51.010-1-2691 Section 26.9.8, PCS band missing.	Rohde & Schwarz	Approved
GP-050155	CR 51.010-1-2692 Section 26.11.2.2.1 M=3 – Location update after the handover procedure on cell B	Rohde & Schwarz	Withdrawn
GP-050156	CR 51.010-1-2693 Section 26.11.2.2.4 – Requirement 2 not tested and then removed	Rohde & Schwarz	Withdrawn
GP-050157	CR 51.010-1-2694 Section 26.11.3.1.1 – CKSN missing in initial conditions	Rohde & Schwarz	Approved
GP-050158	CR 51.010-1-2695 Section 26.11.5.1 – Modification of Classmark Change content for 850/1900 MS	Rohde & Schwarz	Approved
GP-050159	CR 51.010-1-2696 Section 26.16.2 Inband Signalling, Uplink Codec Adaptation	Rohde & Schwarz	Approved
GP-050160	CR 51.010-1-2697 Section 26.16.5 AMR signalling / Handover / active call / successful case	Rohde & Schwarz	Revised
GP-050497	CR 51.010-1-2697 rev 1 Section 26.16.5 AMR signalling / Handover / active call / successful case	Rohde & Schwarz	Revised
GP-050504	CR 51.010-1-2697 rev 2 Section 26.16.5 AMR signalling / Handover / active call / successful case	Rohde & Schwarz	Approved

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GP-050161	CR 51.010-1-2698 Section 26.16.7 AMR Signalling / Directed Retry / Mobile Originated Call	Rohde & Schwarz	Approved
GP-050162	CR 51.010-1-2699 Section 26.16.8 AMR Signalling / Directed Retry / Mobile Terminated Call	Rohde & Schwarz	Approved
GP-050163	CR 51.010-1-2700 Section 26.16.11. Handover / layer 1 failure	Rohde & Schwarz	Revised
GP-050371	CR 51.010-1-2700 rev 1 Section 26.16.11. Handover / layer 1 failure	Rohde & Schwarz	Revised
GP-050498	CR 51.010-1-2700 rev 2 Section 26.16.11. Handover / layer 1 failure	Rohde & Schwarz	Approved
GP-050164	CR 51.010-1-2701 Section 26.16.10.2 Related Pics/Pixit modified	Rohde & Schwarz	Revised
GP-050499	CR 51.010-1-2701 rev 1 Section 26.16.10.2 Related Pics/Pixit modified	Rohde & Schwarz	Approved
GP-050165	CR 51.010-1-2702 Section 34.4.5 - Removal of test	Rohde & Schwarz	Approved
GP-050166	CR 51.010-1-2703 Section 40.2.x Default message contents	Rohde & Schwarz	Approved
GP-050167	CR 51.010-1-2704 Section 42.4.2.3.6 and 42.4.2.3.7 removing half rate testing.	Rohde & Schwarz	Approved
GP-050168	CR 51.010-1-2705 Section 42.4.5.3 Network Assisted Cell Change / Packet Neighbour Cell Data and Packet Cell Change Continue - Initial conditions clarification	Rohde & Schwarz	Revised
GP-050383	CR 51.010-1-2705 rev 1 Section 42.4.5.3 Network Assisted Cell Change / Packet Neighbour Cell Data and Packet Cell Change Continue - Initial conditions clarification	Rohde & Schwarz	Withdrawn
GP-050169	CR 51.010-1-2706 Section 52.1.2.2.5.1- Packet Downlink Assignment / Abnormal cases / Incorrect PDCH assignment	Rohde & Schwarz	Revised
GP-050384	CR 51.010-1-2706 rev 1 Section 52.1.2.2.5.1- Packet Downlink Assignment / Abnormal cases / Incorrect PDCH assignment	Rohde & Schwarz	Approved
GP-050170	CR 51.010-1-2707 Section 47.3.1.1 Handover to same routeing area whilst in dedicated mode & MM Ready / Completed on the main DCCH – removed PDP 2	Rohde & Schwarz	Approved
GP-050171	CR 51.010-1-2708 Section 47.3.1.2 Handover to same routeing area whilst in DTM with downlink TBF Established – removed misleading remark	Rohde & Schwarz	Approved

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GP-050172	CR 51.010-1-2709 Section 47.3.1.3.1 Handover to same routeing area whilst in DTM with both DL & UL TBFs / Successful case – Step B17 corrected	Rohde & Schwarz	Revised
GP-050479	CR 51.010-1-2709 rev 1 Section 47.3.1.3.1 Handover to same routeing area whilst in DTM with both DL & UL TBFs / Successful case – Step B17 corrected	Rohde & Schwarz	Approved
GP-050173	CR 51.010-1-2710 Section 47.3.2.1 - Handover to different routeing area whilst in DM / Performed on main DCCH / RAU complete before CS release – Specific message corrected	Rohde & Schwarz	Approved
GP-050174	CR 51.010-1-2711 Section 47.3.2.2 - Handover to different routeing area whilst in DM / Performed on main DCCH / CS release before RAU complete – Specific message corrected	Rohde & Schwarz	Approved
GP-050175	CR 51.010-1-2712 Section 42.4.8.5.1 Ignoring Packet Measurement Order and Packet Cell Change Order whilst in DTM – New Test proposal	Rohde & Schwarz	Revised
GP-050493	CR 51.010-1-2712 rev 1 Section 42.4.8.5.1 Ignoring Packet Measurement Order and Packet Cell Change Order whilst in DTM – New Test proposal	Rohde & Schwarz	Approved
GP-050176	CR 51.010-1-2713 Section 42.4.8.5.2 - Change between NC2 transfer mode and DTM mode – New Test proposal	Rohde & Schwarz	Withdrawn
GP-050177	CR 51.010-1-2714 Section 47.2.4 - Network originating CS release / PS re-establishment / Cell reselection to non DTM cell / MT CS call establishment – New Test proposal	Rohde & Schwarz	Withdrawn
GP-050178	CR 51.010-1-2715 Section 57.3.5.2 Multiple Handover whilst in DTM / Cell supporting EGPRS DTM to Cell support GPRS DTM and back – New Test proposal	Rohde & Schwarz	Withdrawn
GP-050179	CR 51.010-1-2716 Section 46.1.2.7.5 Negotiation initiated by the SS (during ADM, for IOV- UI)	Rohde & Schwarz	Revised
GP-050473	CR 51.010-1-2716 rev 1 Section 46.1.2.7.5 Negotiation initiated by the SS (during ADM, for IOV- UI)	Rohde & Schwarz	Approved
GP-050233	CR 51.010-1-2717 14.11.2.1 DARP Speech bearer tests / TCH/AFS / DTS-1 (new test)	Aeroflex	Revised
GP-050451	CR 51.010-1-2717 rev 1 14.11.2.1 DARP Speech bearer tests / TCH/AFS / DTS-1 (new test)	Aeroflex	Revised
GP-050457	CR 51.010-1-2717 rev 2 14.11.2.1 DARP Speech bearer tests / TCH/AFS / DTS-1 (new test)	Aeroflex	Approved

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GP-050236	CR 51.010-1-2718 New requirement added to applicabillity (PICS) in test cases 46.1.2.6.1 and 46.1.2.6.2	Ericsson	Approved
GP-050238	CR 51.010-1-2719 20.22.20 Cell Reselection based on C32 - Cell Reselction on CCCH - PBCCH not present	Siemens	Approved
GP-050240	CR 51.010-1-2720 20.22.23 Cell Reselection based on C32 - Cell Reselection on CCCH - PBCCH not supported	Siemens	Approved
GP-050241	CR 51.010-1-2721 20.22.26 Cell Reselection based on C32 quality / Cell Reselection on CCCH - PBCCH not supported	Siemens	Approved
GP-050242	CR 51.010-1-2722 20.22.22 Cell Reselection with cells in different Routing area - Cell Reselection on CCCH - PBCCH not present	Siemens	Approved
GP-050243	CR 51.010-1-2723 Clarifications and editorial changes to A-GPS tests	Spirent Communications	Approved
GP-050244	CR 51.010-1-2724 Addition of A-GPS Scenario and Assistance data values in new clause 10.9	Spirent Communications	Revised
GP-050476	CR 51.010-1-2724 rev 1 Addition of A-GPS Scenario and Assistance data values in new clause 10.9	Spirent Communications	Approved
GP-050245	CR 51.010-1-2725 Revision of A-GPS assistance data delivery and values for MS based tests	Spirent Communications	Revised
GP-050477	CR 51.010-1-2725 rev 1 Revision of A-GPS assistance data delivery and values for MS based tests	Spirent Communications	Approved
GP-050246	CR 51.010-1-2726 Revision of A-GPS assistance data delivery and values for MS assisted tests	Spirent Communications	Revised
GP-050501	CR 51.010-1-2726 rev 1 Revision of A-GPS assistance data delivery and values for MS assisted tests	Spirent Communications	Approved
GP-050247	CR 51.010-1-2727 Revision of A-GPS assistance data delivery and values for MS assisted tests in section 70.8.4.X	Spirent Communications	Revised
GP-050502	CR 51.010-1-2727 rev 1 Revision of A-GPS assistance data delivery and values for MS assisted tests in section 70.8.4.X	Spirent Communications	Approved
GP-050251	CR 51.010-1-2728 Section 26.6.5.1 - Handover / successful / active call / non-synchronized	Rohde & Schwarz	Approved
GP-050258	CR 51.010-1-2729 41.2.2.3 - Attach Reject Procedure to be introduced as additional test steps to set T3302 to 1 minute.	Anite	Revised

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GP-050513	CR 51.010-1-2729 rev 1 41.2.2.3 - Attach Reject Procedure to be introduced as additional test steps to set T3302 to 1 minute.	Anite	Approved
GP-050266	CR 51.010-1-2730 21.3.5 RXQUAL – TCH/AFS DTX on – correction to equation	Aeroflex	Revised
GP-050452	CR 51.010-1-2730 rev 1 21.3.5 RXQUAL TCH/AFS DTX on correction to equation	Aeroflex	Approved
GP-050281	CR 51.010-1-2731 42.3.2.2.2 Removal of obsolete test step	Nokia	Revised
GP-050470	CR 51.010-1-2731 rev 1 42.3.2.2.2 Removal of obsolete test step	Nokia	Approved
GP-050282	CR 51.010-1-2732 52.3.2.2.2 Removal of obsolete test step	Nokia	Revised
GP-050471	CR 51.010-1-2732 rev 1 52.3.2.2.2 Removal of obsolete test step	Nokia	Approved
GP-050370	CR 51.010-1-2733 Section 42.4.8.x.x - SI2quater specific message contents corrected	Rohde & Schwarz	Approved
GP-050397	CR 51.010-1-2734 52.3.1.2.2 - Change to avoid unwanted reselection	Wavecom	Approved
GP-050398	CR 51.010-1-2735 52.3.1.2.3 - Change to avoid unwanted reselection	Wavecom	Revised
GP-050462	CR 51.010-1-2735 rev 1 52.3.1.2.3 - Change to avoid unwanted reselection	Wavecom	Approved
GP-050472	CR 51.010-1-2736 Section 42.4.5.5 Network Assisted Cell Change / Expiry of T3208 and T3210 – 15% Timer Tolerance changed to 10%	Rohde & Schwarz	Approved
GP-050474	CR 51.010-1-2737 Section 20.22 GPRS Cell Selection and Reselection	Rohde & Schwarz	Approved
GP-050514	CR 51.010-1-2738 42.3.3.3 correction of expected sequence	Anite	Revised
GP-050552	CR 51.010-1-2738 rev 1 42.3.3.3 correction of expected sequence	Anite	Approved
GP-050515	CR 51.010-1-2739 52.3.3.3 correction of expected sequence	Anite	Withdrawn
GP-050043	CR 51.010-2-210 Correction to Tables A.1, B.1 – DTM/GPRS Multislot Class 11, Condition C308 and Applicability of Testcase 57.2.1	7Layers AG	Approved

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GP-050093	CR 51.010-2-211 Corrections in the testcase applicability table.	SASKEN	Approved
GP-050180	CR 51.010-2-212 Annex B - Addition of testcase 17.3	Rohde & Schwarz	Withdrawn
GP-050181	CR 51.010-2-213 Annex B - Removal of testcase 34.4.5	Rohde & Schwarz	Approved
GP-050182	CR 51.010-2-214 Annex B - Addition of testcase 42.4.8.5.1	Rohde & Schwarz	Withdrawn
GP-050183	CR 51.010-2-215 Annex B - Addition of testcase 42.4.8.5.2	Rohde & Schwarz	Withdrawn
GP-050184	CR 51.010-2-216 Annex B - Addition of testcase 47.2.4	Rohde & Schwarz	Withdrawn
GP-050185	CR 51.010-2-217 Annex B - Addition of testcase 57.3.5.2	Rohde & Schwarz	Withdrawn
GP-050186	CR 51.010-2-218 Section A.4.8 addition of PICSs to specify support of header compression algorithm types	Rohde & Schwarz	Revised
GP-050551	CR 51.010-2-218 rev 1 Section A.4.8 addition of PICSs to specify support of header compression algorithm types	Rohde & Schwarz	Approved
GP-050187	CR 51.010-2-219 Annexe B - Modification of C327	Rohde & Schwarz	Approved
GP-050188	CR 51.010-2-220 Section Annex B – Change in the title of 17.2	Rohde & Schwarz	Withdrawn
GP-050227	CR 51.010-2-221 Correction to Applicability Condition C235 (Rel 6)	Motorola	Approved
GP-050234	CR 51.010-2-222 14.11.2.1 DARP Speech bearer tests / TCH/AFS / DTS-1 (new test)	Aeroflex	Approved
GP-050237	CR 51.010-2-223 Addition of PICS for GPRS	Ericsson	Approved
GP-050239	CR 51.010-2-224 20.22.20 Cell Reselection based on C32 - Cell Reselction on CCCH - PBCCH not present	Siemens	Approved
GP-050366	CR 51.010-2-225 Applicability of RX Qual Test Cases for 21.3.1, 21.3.2, 21.4.1	Rohde & Schwarz	Revised
GP-050386	CR 51.010-2-225 rev 1 Applicability of RX Qual Test Cases for 21.3.1, 21.3.2, 21.4.1	Rohde & Schwarz	Revised
GP-050507	CR 51.010-2-225 rev 2 Applicability of RX Qual Test Cases for 21.3.1, 21.3.2, 21.4.1	Rohde & Schwarz	Approved
GP-050025	CR 51.010-2-226 Removal of the TC 42.4.4.4 - Part 2	Wavecom	Approved
GP-050453	CR 51.010-2-227 Correction to part 2 to include missing TCs in table B.1 Rel-6	MCC	Revised
GP-050500	CR 51.010-2-227 rev 1 Correction to part 2 to include missing TCs in table B.1 Rel-6	MCC	Approved

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GP-050478	CR 51.010-2-228 Differentiation of single/multi slot DTM test cases	Ericsson	Approved
GP-050051	CR 51.010-3-039 26.10.2.2 - More delay required after the state change from CCH combined to CCH non-combined	Anite	Approved
GP-050052	CR 51.010-3-040 26.10.2.5 - To increase delay so that MS is ready before any Paging Request is sent.	Anite	Approved
GP-050053	CR 51.010-3-041 26.6.2.1.1 - 12 s delay required between Channel Release and the next Paging Request	Anite	Revised
GP-050495	CR 51.010-3-041 rev 1 26.6.2.1.1 - 12 s delay required between Channel Release and the next Paging Request	Anite	Approved
GP-050054	CR 51.010-3-042 26.7.1 - Power interrupt message needs to be displayed to user	Anite	Approved
GP-050055	CR 51.010-3-043 26.8.1.4.3.2 - To handle possiblity of receiving Handover Access Bursts after Handover Failure	Anite	Approved
GP-050056	CR 51.010-3-044 26.8.1.4.5.x - Initiation of speech call as the first mode of service in Alternate Speech/ Fax sevice (Dual Mode Service)	Anite	Approved
GP-050057	CR 51.010-3-045 34.2.2 - Fails on constraining the CP DATA	Anite	Approved
GP-050058	CR 51.010-3-046 34.2.5.3 - To handle timing issues when sending two subsequent messages - one on SAPI 3 and the next on SAPI 0	Anite	Approved
GP-050059	CR 51.010-3-047 26.11.2.2.2 - To handle Handover Access Bursts on SACCH channel	Anite	Revised
GP-050496	CR 51.010-3-047 rev 1 26.11.2.2.2 - To handle Handover Access Bursts on SACCH channel	Anite	Approved
GP-050008	CR 51.010-5-001 Update of verified Test Cases for inter-RAT (Rel-6)	STF 272	Approved