3GPP TSG T #11 Palm Springs March 16th to 18th, 2001	*TP-010024*

Subject: **3GPP TSG-T WG1 Permanent Reference Document**

Purpose: **For Information**

Author: **Peter George, Anritsu Ltd**

T1-06

Version 2

T1 Work Item description for Rel 4

The following document contains all of the Work Item descriptions so far identified for TSG T1 release 4. The intention is that a single document will be more convenient for people to use and more easily referenced from the work plan.

The work items in the R4 work plan have now been organised so that the conformance test aspects, related to each feature, are collected into a single building block. Each building block has the title 'Conformance Test Aspects –' followed by the title of the parent feature. The Work Tasks going into the Conformance Test Aspects building blocks then correspond to the other UE related work items under the parent feature.

Note: Building blocks are supported by TSG T1 collectively whereas the work tasks are required to have 4 supporting companies before they are approved by T1.

Work plan ID shown in *italics* refer to ID numbers in the T1 modified work plan and may change when added to the formal work plan.

The titles are colour coded to indicate the WI status.

Green: WI description approved
Blue: For approval by TSG T1/T
Yellow: WI drafted but not approved
Purple: WI withdrawn
Red: WI sheet not yet drafted

Table of Contents:-

Change History

Version 0 to 1

1. Update Work Plan IDs to match the released work plan, release 19th December, 2000
2. Remove work task 4, Testing Node B synchronisation for TDD
3. Change references from T1-000279 to T1-06
4. WT_T1-06_14 Testing RF Radio Transmission and Reception, prepared for approval
5. The suffix ‘SIG or RF’ was added to each WI title to make it easier for each SWG to identify WIs belonging to them
6. The suffix ‘Rel 5’ has been added to WI titles that are now part of Release 5
7. Add WIs for optimisation of test times for RF conformance testing
8. Add WI for additional R99 test cases
9. Remove WI for Smart Antennas, removed from RAN
10. Introduce blue colour code for WI ready for approval
11. Add two new work items for maintenance of R99 and creation of TDD ATS
12. Change the naming convention to T1-06_<number> prefixed with ‘BB or WT’ for building block or work task.
13. Added a ‘work starts’ item to each affected document section

Version 1 to 2

1. Change work item T1_06 to be a release 5 work item
2. Add names of supporting companies (T1_WI_Index_r4.xls)
3. Add T1_34 Radio Bearer Support Enhancements – Robust Header Compression as it falls into release 4.

Work Item Description

BB_T1-06_1. Conformance Test Aspects - Evolutions of the transport in the UTRAN

1. 3GPP Work Area

X	Radio Access
	Core Network
	Services

2. Linked work items

WP ID	WID	Rel. *	Title
2	RAN_Wis_20	P_F	Evolutions of the transport in the UTRAN
1834	T1-06_1	BB	Conformance Test Aspects - Evolutions of the transport in the UTRAN
624	RAN_Wis 15	R_WI	Radio access bearer support enhancement
2208	T1-06_2	S_WT	Testing radio access bearer support enhancements

* Relationship: P = Parent, F = Feature, BB = Building Block, S = Subordinate, R = Related

3. Justification

The core specifications are being updated and enhanced for release 4 (formerly release 2000) and therefore the test specifications must be updated to reflect these changes.

4. Objective

This work item is a building block used to collect together the conformance testing aspects related to a 3GPP feature. As such it does not require any work at this level and for this reason it is supported by TSG T1 and reported on by the T1 chairman.

All of the work of TSG T1 takes place in its subordinate Work Tasks.

5. Service Aspects

None

6. MMI-Aspects

None

7. Charging Aspects

None

8. Security Aspects

None

9. Impacts

Affects:	USIM	ME	AN	CN	Others
Yes		X			
No	X		X	X	
Don't know					X

10.Expected Output and Time scale (to be updated at each plenary)

New specifications						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments

Affected existing specifications				
Spec No.	CR	Subject	Approved at plenary#	Comments

11.Work item raporteurs

TSG T1 Chairman

12 Work item leadership

TSG T1

13 Supporting Companies

TSG T1

14 Classification of the WI (if known)

	Feature (go to 14a)
X	Building Block (go to 14b)
	Work Task (go to 14c)

14b. See section 2, Linked work items, for relationship between this building block, its parent feature and associated work tasks

Work Item Description

WT_T1-06_2. Testing radio access bearer support enhancements (SIG/Rel 5)

1. 3GPP Work Area

X	Radio Access
	Core Network
	Services

2. Linked work items

WP ID	WID	Rel. *	Title
2	RAN_Wis_20	P_F	Evolutions of the transport in the UTRAN
1834	T1-06_1	P_BB	Conformance Test Aspects - Evolutions of the transport in the UTRAN
624	RAN_Wis 15	R_WI	Radio access bearer support enhancement
2208	T1-06_2	WT	Testing radio access bearer support enhancements

* Relationship: P = Parent, F = Feature, BB = Building Block, S = Subordinate, R = Related

3. Justification

The core specifications are being updated and enhanced for release 4 (formerly release 2000) and therefore the test specifications must be updated to reflect these changes.

4. Objective

This work item should provide the conformance test capability to verify that the radio access bearer support enhancements on the Uu interface are correctly implemented within the UE. These enhancements include the following RAN core specification changes:-

- Radio Access Bearer multiplexing in PDCP
- Header compression for VoIP
- Normally referenced from an IETF RFC
- Support of unequal error protection over Uu
- Channel type switching for logical channels
- Today it is only possible to switch all logical channels of one UE, not individual. For DSCH it would be much better to be able to switch single logical channels
- IP header removal as developed within GERAN

5. Service Aspects

None

6. MMI-Aspects

None

7. Charging Aspects

None

8. Security Aspects

None

9. Impacts

Affects:	USIM	ME	AN	CN	Others
Yes		X			
No	X		X	X	
Don't know					X

10.Expected Output and Time scale (to be updated at each plenary)

New specifications						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments

Affected existing specifications				
Spec No.	CR	Subject	Approved at plenary#	Comments
TS34.123a,b		User Equipment (UE) conformance specification; Part 1: Protocol conformance specification, Part 2: Implementation Conformance Statement (ICS) proforma specification	TSG T #14 Work starts: TSG T1 #?	Changes to include; RAB multiplexing in PDCP, Header compression for VoIP, Normally referenced from an IETF RFC?, unequal error protection over Uu, switching for single logical channels, IP header removal
TS34123c		User Equipment (UE) conformance specification; Part 3: TTCN Test Cases	TSG T #15 Work starts: TSG T1 #?	Preparation and modification of TTCN test cases to accommodate changes in test specification

11.Work item raporteurs

Dan Fox, Chairman of TSG T1/SIG

12 Work item leadership

TSG T1 SWG/SIG

13 Supporting Companies

Ericsson, Sharp, Motorola

14 Classification of the WI (if known)

	Feature (go to 14a)
	Building Block (go to 14b)
X	Work Task (go to 14c)

14c. See section 2, Linked Work Items for relationship between this Work Task and its parent Building Block and Feature.

Work Item Description

BB_T1-06_3. Conformance Test Aspects - improvements in Radio Interface

1. 3GPP Work Area

X	Radio Access
	Core Network
	Services

2. Linked work items

WP ID	WID	Rel. *	Title
1216	RAN_Wis_21	P_F	Improvements of Radio Interface
1839	T1-06_3	BB	Conformance Test Aspects - improvements in Radio Interface
2210	T1-06_5	S_WT	Testing improvement of inter-frequency and inter-system measurement
2211	T1-06_6	S_WT	Testing Hybrid ARQ II/III
2212	T1-06_7	S_WT	Testing Improved usage of downlink resource in FDD for CCTrCHs of dedicated type
2213	T1-06_8	S_WT	Testing Terminal Power saving features
2214	T1-06_9	S_WT	Testing DSCH power control improvement in soft handover
2215	T1-06_10	S_WT	Testing UMTS 1800
1468	RAN_Wis_8	R_WI	Node B synchronisation for TDD
1470	RAN_Wis_16	R_WI	Improvement of inter-frequency and inter-system measurement
1217	RAN_Wis_7	R_WI	Hybrid ARQ II/III
1218	RAN_Wis_17	R_WI	Improved usage of downlink resource in FDD for CCTrCHs of dedicated type
1507	RAN_Wis_11	R_WI	Terminal Power saving features
1994	RAN_Wis_37	R_WI	DSCH power control improvement in soft handover
1996	RAN_Wis_39	R_WI	UMTS 1800

* Relationship: P = Parent, F = Feature, BB = Building Block, S = Subordinate, R = Related

3. Justification

The core specifications are being updated and enhanced for release 4 (formerly release 2000) and therefore the test specifications must be updated to reflect these changes.

4. Objective

This work item is a building block used to collect together the conformance testing aspects related to a 3GPP feature. As such it does not require any work at this level and for this reason it is supported by TSG T1 and reported on by the T1 chairman.

All of the work of TSG T1 takes place in its subordinate Work Tasks.

5. Service Aspects

None

6. MMI-Aspects

None

7. Charging Aspects

None

8. Security Aspects

None

9. Impacts

Affects:	USIM	ME	AN	CN	Others
Yes		X			
No	X		X	X	
Don't know					X

10.Expected Output and Time scale (to be updated at each plenary)

New specifications						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments

Affected existing specifications				
Spec No.	CR	Subject	Approved at plenary#	Comments

11.Work item raporteurs

TSG T1 Chairman

12 Work item leadership

TSG T1

13 Supporting Companies

TSG T1

14 Classification of the WI (if known)

	Feature (go to 14a)
X	Building Block (go to 14b)
	Work Task (go to 14c)

14b. See section 2, Linked work items, for relationship between this building block, its parent feature and associated work tasks

Work Item Description

WT_T1-06_4...Node B sync. Withdrawn due to withdrawal of RAN WI

Work Item Description

WT_T1-06_5. Testing improvement of inter-frequency and inter-system measurement (Rel 5)

1. 3GPP Work Area

X	Radio Access
	Core Network
	Services

2. Linked work items

WP ID	WID	Rel. *	Title
1216	RAN_Wis_21	P_F	Improvements of Radio Interface
1839	T1-06_3	P_BB	Conformance Test Aspects - improvements in Radio Interface
2210	T1-06_5	S_WT	Testing improvement of inter-frequency and inter-system measurement
1470	RAN_Wis_16	R_WI	Improvement of inter-frequency and inter-system measurement

* Relationship: P = Parent, F = Feature, BB = Building Block, S = Subordinate, R = Related

3. Justification

The core specifications are being updated and enhanced for release 4 (formerly release 2000) and therefore the test specifications must be updated to reflect these changes.

Changes are being proposed to the way in which compressed mode works to allow more efficient inter-frequency and inter system measurements.

4. Objective

To change or enhance the existing test specifications to take account of the improvements in compressed mode operation and to confirm that correct inter frequency/system measurements are being performed.

5. Service Aspects

None

6. MMI-Aspects

None

7. Charging Aspects

None

8. Security Aspects

None

9. Impacts

Affects:	USIM	ME	AN	CN	Others
Yes		X			
No	X		X	X	
Don't know					X

10.Expected Output and Time scale (to be updated at each plenary)

New specifications						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments

Affected existing specifications				
Spec No.	CR	Subject	Approved at plenary#	Comments
TS34.121		Terminal Conformance Specification; Radio transmission and reception (FDD)	Work starts: TSG T1 #?	Test specification to confirm correct inter frequency or inter system measurement reports
TS34.123a,b		User Equipment (UE) conformance specification; Part 1: Protocol conformance specification, Part 2: Implementation Conformance Statement (ICS) proforma specification	Work starts: TSG T1 #?	Test specification to confirm correct signalling and timing for new compressed mode
TS34.123c		User Equipment (UE) conformance specification; Part 3: TTCN Test Cases	Work starts: TSG T1 #?	Develop TTCN test cases to support conformance test spec

11.Work item raporteurs

Mr Kunitoshi YONEKURA, Fujitsu, Japan;
Mr Dan FOX, Anritsu Ltd, UK

12 Work item leadership

TSG T1 SWGs /RF and /SIG

13 Supporting Companies

Motorola

14 Classification of the WI (if known)

	Feature (go to 14a)
	Building Block (go to 14b)
X	Work Task (go to 14c)

14c. See section 2, Linked Work Items for relationship between this Work Task and its parent Building Block and Feature.

Work Item Description

WT_T1-06_6. Testing Hybrid ARQ II/III (Rel 5)

1. 3GPP Work Area

X	Radio Access
	Core Network
	Services

2. Linked work items

WP ID	WID	Rel. *	Title
1216	RAN_Wis_21	P_F	Improvements of Radio Interface
1839	T1-06_3	P_BB	Conformance Test Aspects - improvements in Radio Interface
2211	T1-06_6	S_WT	Testing Hybrid ARQ II/III
1217	RAN_Wis_7	R_WI	Hybrid ARQ II/III

* Relationship: P = Parent, F = Feature, BB = Building Block, S = Subordinate, R = Related

3. Justification

The core specifications are being updated and enhanced for release 4 (formerly release 2000) and therefore the test specifications must be updated to reflect these changes.

4. Objective

It is believed that the efficiency of the transmission of packet data can be enhanced by being able to vary the level of redundancy at the request of the receiver. Support for this will have an impact on the physical and lower signalling layers.

To change or enhance the test specifications to accommodate the changes in ARQ and to confirm that the UE signals the correct reports to maintain high packet data transmission rates under various error conditions.

5. Service Aspects

None

6. MMI-Aspects

None

7. Charging Aspects

None

8. Security Aspects

None

9. Impacts

Affects:	USIM	ME	AN	CN	Others
Yes		X			
No	X		X	X	
Don't know					X

10.Expected Output and Time scale (to be updated at each plenary)

New specifications						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments

Affected existing specifications				
Spec No.	CR	Subject	Approved at plenary#	Comments
TS34.121		Terminal Conformance Specification; Radio transmission and reception (FDD)		Test specification to confirm correct redundancy rates are requested for the prevailing error conditions
TS34.122		Terminal Conformance Specification; Radio transmission and reception (TDD)	Work starts: TSG T1 #?	Test specification to confirm correct redundancy rates are requested for the prevailing error conditions
TS34.123a,b		User Equipment (UE) conformance specification; Part 1: Protocol conformance specification, Part 2: Implementation Conformance Statement (ICS) proforma specification	Work starts: TSG T1 #?	Test specification to confirm correct signalling and timing new hybrid ARQ mode
TS34.123c		User Equipment (UE) conformance specification; Part 3: TTCN Test Cases	Work starts: TSG T1 #?	Develop TTCN test cases to support conformance test spec

11.Work item raporteurs

Mr Kunitoshi YONEKURA, Fujitsu, Japan;
Mr Thomas MAUCKSCH, Rohde & Schwarz, Germany
Mr Dan FOX, Anritsu Ltd, UK

12 Work item leadership

TSG T1 SWGs /RF and /SIG

13 Supporting Companies

(at least 4 companies)

14 Classification of the WI (if known)

	Feature (go to 14a)

	Building Block (go to 14b)
X	Work Task (go to 14c)

14c. See section 2, Linked Work Items for relationship between this Work Task and its parent Building Block and Feature.

Work Item Description

WT_T1-06_7. Testing Improved usage of DL resource in FDD for CCTrCHs of dedicated type (Rel 5)

1. 3GPP Work Area

X	Radio Access
	Core Network
	Services

2. Linked work items

WP ID	WID	Rel. *	Title
1216	RAN_Wis_21	P_F	Improvements of Radio Interface
1839	T1-06_3	P_BB	Conformance Test Aspects - improvements in Radio Interface
2212	T1-06_7	WT	Testing Improved usage of downlink resource in FDD for CCTrCHs of dedicated type
1218	RAN_Wis_17	R_WI	Improved usage of downlink resource in FDD for CCTrCHs of dedicated type

* Relationship: P = Parent, F = Feature, BB = Building Block, S = Subordinate, R = Related

3. Justification

The core specifications are being updated and enhanced for release 4 (formerly release 2000) and therefore the test specifications must be updated to reflect these changes.

4. Objective

The R99 specs do not support multiplexed channels on a CCtrCH of differing spreading factors, i.e of differing data rates and qualities of service. R4 now allows the use of CCTrCHs of dedicated types on the downlink and therefore the UE must support it.

The objective then is to provide conformance tests that confirm the UE's ability to cope with multiple dedicated type CCTrCHs.

5. Service Aspects

None

6. MMI-Aspects

None

7. Charging Aspects

None

8. Security Aspects

None

9. Impacts

Affects:	USIM	ME	AN	CN	Others
Yes		X			
No	X		X	X	
Don't know					X

10.Expected Output and Time scale (to be updated at each plenary)

New specifications						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments

Affected existing specifications				
Spec No.	CR	Subject	Approved at plenary#	Comments
TS34.123a,b		User Equipment (UE) conformance specification; Part 1: Protocol conformance specification, Part 2: Implementation Conformance Statement (ICS) proforma specification	Work starts: TSG T1 #?	Test specification to confirm correct reception of dedicated type CCTrCHs and with differing spreading codes
TS34.123c		User Equipment (UE) conformance specification; Part 3: TTCN Test Cases	Work starts: TSG T1 #?	Develop TTCN test cases to support the above conformance test spec

11.Work item raporteurs

Mr Dan FOX, Anritsu Ltd, UK

12 Work item leadership

TSG T1 SWGs /SIG

13 Supporting Companies

(at least 4 companies)

14 Classification of the WI (if known)

	Feature (go to 14a)
	Building Block (go to 14b)
X	Work Task (go to 14c)

14c. See section 2, Linked Work Items for relationship between this Work Task and its parent Building Block and Feature.

Work Item Description

WT_T1-06_8. Testing Terminal Power saving features (SIG)

1. 3GPP Work Area

X	Radio Access
	Core Network
	Services

2. Linked work items

WP ID	WID	Rel. *	Title
1216	RAN_Wis_21	P_F	Improvements of Radio Interface
1839	T1-06_3	P_BB	Conformance Test Aspects - improvements in Radio Interface
2213	T1-06_8	WT	Testing Terminal Power saving features
1507	RAN_Wis_11	R_WI	Terminal Power saving features

* Relationship: P = Parent, F = Feature, BB = Building Block, S = Subordinate, R = Related

3. Justification

The core specifications are being updated and enhanced for release 4 (formerly release 2000) and therefore the test specifications must be updated to reflect these changes.

4. Objective

One way of improving the overall efficiency of the network and reduce UE power consumption is to use a gated DPCCH.

The objective then is to provide conformance specifications that confirm the UE is able operate with gated DPCCHs and that power saving is achieved. (This latter point may not be a matter for conformance testing but may be of keen interest to the industry generally.)

5. Service Aspects

None

6. MMI-Aspects

None

7. Charging Aspects

None

8. Security Aspects

None

9. Impacts

Affects:	USIM	ME	AN	CN	Others
Yes		X			
No	X		X	X	
Don't know					X

10.Expected Output and Time scale (to be updated at each plenary)

New specifications						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments

Affected existing specifications				
Spec No.	CR	Subject	Approved at plenary#	Comments
TS34.123a,b		User Equipment (UE) conformance specification; Part 1: Protocol conformance specification, Part 2: Implementation Conformance Statement (ICS) proforma specification	TSG T #13 Work starts: TSG T1 #?	Test specification to confirm correct operation with gated or intermittent DPCCHs
TS34.123c		User Equipment (UE) conformance specification; Part 3: TTCN Test Cases	TSG T #15 Work starts: TSG T1 #?	Develop TTCN test cases to support the above conformance test spec

11.Work item raporteurs

Mr Dan FOX, Anritsu Ltd, UK

12 Work item leadership

TSG T1 SWGs /SIG

13 Supporting Companies

Nokia

14 Classification of the WI (if known)

	Feature (go to 14a)
	Building Block (go to 14b)
X	Work Task (go to 14c)

14c. See section 2, Linked Work Items for relationship between this Work Task and its parent Building Block and Feature.

Work Item Description

WT_T1-06_9. Testing DSCH power control improvement in soft handover (SIG/RF)

1. 3GPP Work Area

X	Radio Access
	Core Network
	Services

2. Linked work items

WP ID	WID	Rel. *	Title
1216	RAN_Wis_21	P_F	Improvements of Radio Interface
1839	T1-06_3	P_BB	Conformance Test Aspects - improvements in Radio Interface
2214	T1-06_9	WT	Testing DSCH power control improvement in soft handover
1994	RAN_Wis_37	R_WI	DSCH power control improvement in soft handover

* Relationship: P = Parent, F = Feature, BB = Building Block, S = Subordinate, R = Related

3. Justification

The core specifications are being updated and enhanced for release 4 (formerly release 2000) and therefore the test specifications must be updated to reflect these changes.

4. Objective

It is believed that improvements in power control during soft handover could improve power consumption in the UE and provide better use of system resources.

The objective is therefore to create a test specification that will confirm that the UE performs the correct power control while in a soft handover condition.

5. Service Aspects

None

6. MMI-Aspects

None

7. Charging Aspects

None

8. Security Aspects

None

9. Impacts

Affects:	USIM	ME	AN	CN	Others
Yes		X			
No	X		X	X	
Don't know					X

10.Expected Output and Time scale (to be updated at each plenary)

New specifications						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments

Affected existing specifications				
Spec No.	CR	Subject	Approved at plenary#	Comments
TS34.121		Terminal Conformance Specification; Radio transmission and reception (FDD)		Test specification changes to reflect improvements in soft handover
TS34.123a,b		User Equipment (UE) conformance specification; Part 1: Protocol conformance specification, Part 2: Implementation Conformance Statement (ICS) proforma specification	TSG T #13 Work starts: TSG T1 #?	Test specification to confirm that the UE responds correctly to power control commands while ion a DSCH
TS34.123c		User Equipment (UE) conformance specification; Part 3: TTCN Test Cases	RRM TC? Work starts: TSG T1 #?	Develop TTCN test cases to support the above conformance test spec

11.Work item raporteurs

Mr Dan FOX, Anritsu Ltd, UK
Mr Kunitoshi YONEKURA, Fujitsu, Japan;

12 Work item leadership

TSG T1 SWGs /SIG and /RF

13 Supporting Companies

Nokia, Qualcomm

14 Classification of the WI (if known)

	Feature (go to 14a)
	Building Block (go to 14b)
X	Work Task (go to 14c)

14c. See section 2, Linked Work Items for relationship between this Work Task and its parent Building Block and Feature.

Work Item Description

WT_T1-06_10. Testing UMTS 1800 (SIG/RF)

1. 3GPP Work Area

X	Radio Access
	Core Network
	Services

2. Linked work items

WP ID	WID	Rel. *	Title
1216	RAN_Wis_21	P_F	Improvements of Radio Interface
1839	T1-06_3	P_BB	Conformance Test Aspects - improvements in Radio Interface
2215	T1-06_10	WT	Testing UMTS 1800
1996	RAN_Wis_39	R_WI	UMTS 1800

* Relationship: P = Parent, F = Feature, BB = Building Block, S = Subordinate, R = Related

3. Justification

The core specifications are being updated and enhanced for release 4 (formerly release 2000) and therefore the test specifications must be updated to reflect these changes.

4. Objective

It has been decided at WARC 00 that IMT2000 can be extended down to the 1800MHz 2G cellular band.

The objective is to provide a conformance test specification to cover the these new bands.

5. Service Aspects

None

6. MMI-Aspects

None

7. Charging Aspects

None

8. Security Aspects

None

9. Impacts

Affects:	USIM	ME	AN	CN	Others
Yes		X			
No	X		X	X	
Don't know					X

10.Expected Output and Time scale (to be updated at each plenary)

New specifications						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments

Affected existing specifications				
Spec No.	CR	Subject	Approved at plenary#	Comments
TS34.121 TS34.122		Terminal Conformance Specification; Radio transmission and reception (FDD) Terminal Conformance Specification; Radio transmission and reception (TDD)	Work starts: TSG T1 #?	Test specification to confirm that band compatible UEs can correctly operate in the 1800MHz bands
TS34.123a,b		User Equipment (UE) conformance specification; Part 1: Protocol conformance specification, Part 2: Implementation Conformance Statement (ICS) proforma specification	TSG T #13 Work starts: TSG T1 #?	Test specification to confirm correct signalling and operation of UEs operating in the 1800MHz bands
TS34.123c		User Equipment (UE) conformance specification; Part 3: TTCN Test Cases	TSG T #13 Work starts: TSG T1 #?	Develop TTCN test cases to support conformance test spec

11.Work item raporteurs

Mr Kunitoshi YONEKURA, Fujitsu, Japan;
Mr Thomas MAUCKSCH, Rohde & Schwarz, Germany
Mr Dan FOX, Anritsu Ltd, UK

12 Work item leadership

TSG T1 SWGs /RF and /SIG

13 Supporting Companies

Qualcomm, Motorola

14 Classification of the WI (if known)

	Feature (go to 14a)
	Building Block (go to 14b)
X	Work Task (go to 14c)

14c. See section 2, Linked Work Items for relationship between this Work Task and its parent Building Block and Feature.

Work Item Description

BB_T1-06_11. Conformance Test Aspects - Low Chip Rate TDD

1. 3GPP Work Area

X	Radio Access
	Core Network
	Services

2. Linked work items

WP ID	WID	Rel. *	Title
1222	RAN_Wis_1	P_F	Low Chip Rate TDD option
2103	T1-06_11	BB	Conformance Test Aspects - Low Chip Rate TDD
2216	T1-06_12	S_WT	Testing Physical Layer
2217	T1-06_13	S_WT	Testing Layer 2 and layer 3 protocol aspects
2218	T1-06_14	S_WT	Testing RF Radio Transmission and Reception
2219	T1-06_15	S_WT	Testing UE radio access capability
1223	RAN_Wis_26	R_WI	Physical Layer
1224	RAN_Wis_27	R_WI	Layer 2 and layer 3 protocol aspects
1225	RAN_Wis_28	R_WI	RF Radio Transmission and Reception
1227	RAN_Wis_30	R_WI	UE radio access capability

* Relationship: P = Parent, F = Feature, BB = Building Block, S = Subordinate, R = Related

3. Justification

The core specifications are being updated and enhanced for release 4 (formerly release 2000) and therefore the test specifications must be updated to reflect these changes.

4. Objective

This work item is a building block used to collect together the conformance testing aspects related to a 3GPP feature. As such it does not require any work at this level and for this reason it is supported by TSG T1 and reported on by the T1 chairman.

All of the work of TSG T1 takes place in its subordinate Work Tasks.

5. Service Aspects

None

6. MMI-Aspects

None

7. Charging Aspects

None

8. Security Aspects

None

9. Impacts

Affects:	USIM	ME	AN	CN	Others
Yes		X			
No	X		X	X	
Don't know					X

10.Expected Output and Time scale (to be updated at each plenary)

New specifications						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments

Affected existing specifications				
Spec No.	CR	Subject	Approved at plenary#	Comments

11.Work item raporteurs

TSG T1 Chairman

12 Work item leadership

TSG T1

13 Supporting Companies

TSG T1

14 Classification of the WI (if known)

	Feature (go to 14a)
X	Building Block (go to 14b)
	Work Task (go to 14c)

14b. See section 2, Linked work items, for relationship between this building block, its parent feature and associated work tasks

Work Item Description

WT_T1-06_12. Testing Physical Layer (RF)

1. 3GPP Work Area

X	Radio Access
	Core Network
	Services

2. Linked work items

WP ID	WID	Rel. *	Title
1222	RAN_Wis_1	P_F	Low Chip Rate TDD option
2103	T1-06_11	P_BB	Conformance Test Aspects - Low Chip Rate TDD
2216	T1-06_12	WT	Testing Physical Layer
1223	RAN_Wis_26	R_WI	Physical Layer

* Relationship: P = Parent, F = Feature, BB = Building Block, S = Subordinate, R = Related

3. Justification

The core specifications are being updated and enhanced for release 4 (formerly release 2000) and therefore the test specifications must be updated to reflect these changes.

*** At this stage it is not clear how or if this work item will affect the test specifications ***

4. Objective

Low chip rate TDD is very similar to standard rate TDD however there are inevitably changes required to the physical layer, these include:-

- Physical Channels and Mapping of Transport Channels onto Physical Channels
- Multiplexing and Channel Coding
- Modulation and spreading
- Physical layer procedures
- Physical Layer Measurements

The objective is to design a test specification to ensure that these changes are correctly implemented and that the UE performs to the core specification.

5. Service Aspects

None

6. MMI-Aspects

None

7. Charging Aspects

None

8. Security Aspects

None

9. Impacts

Affects:	USIM	ME	AN	CN	Others
Yes		X			
No	X		X	X	
Don't know					X

10.Expected Output and Time scale (to be updated at each plenary)

New specifications						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments

Affected existing specifications				
Spec No.	CR	Subject	Approved at plenary#	Comments

11.Work item raporteurs

12 Work item leadership

13 Supporting Companies

NTTDoCoMo

14 Classification of the WI (if known)

	Feature (go to 14a)
	Building Block (go to 14b)
X	Work Task (go to 14c)

14c. See section 2, Linked Work Items for relationship between this Work Task and its parent Building Block and Feature.

Work Item Description

WT_T1-06_13. Testing Layer 2 and layer 3 protocol aspects (SIG)

1. 3GPP Work Area

X	Radio Access
	Core Network
	Services

2. Linked work items

WP ID	WID	Rel. *	Title
1222	RAN_Wis_1	P_F	Low Chip Rate TDD option
2103	T1-06_11	P_BB	Conformance Test Aspects - Low Chip Rate TDD
2217	T1-06_13	WT	Testing Layer 2 and layer 3 protocol aspects
1224	RAN_Wis_27	R_WI	Layer 2 and layer 3 protocol aspects

* Relationship: P = Parent, F = Feature, BB = Building Block, S = Subordinate, R = Related

3. Justification

The core specifications are being updated and enhanced for release 4 (formerly release 2000) and therefore the test specifications must be updated to reflect these changes.

4. Objective

The objective is to prepare a conformance test specification for the signalling layers L2 and L3. Low chip rate TDD shares many similarities with full rate TDD but inevitably there will be differences.

The RAN work tasks for low rate TDD include:-

- UE procedures in idle mode
- Interlayer procedures in connected mode
- Control plane protocol aspects
- User plane protocol aspects
- mobility aspects

5. Service Aspects

None

6. MMI-Aspects

None

7. Charging Aspects

None

8. Security Aspects

None

9. Impacts

Affects:	USIM	ME	AN	CN	Others
Yes		X			
No	X		X	X	
Don't know					X

10.Expected Output and Time scale (to be updated at each plenary)

New specifications						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments

Affected existing specifications				
Spec No.	CR	Subject	Approved at plenary#	Comments
TS34.123a,b		User Equipment (UE) conformance specification; Part 1: Protocol conformance specification, Part 2: Implementation Conformance Statement (ICS) proforma specification	TSG T #14 Work starts: TSG T1 #?	Test specification to confirm correct signalling and operation of UEs operating low chip rate TDD mode
TS34.123c		User Equipment (UE) conformance specification; Part 3: TTCN Test Cases	TSG T #15 Work starts: TSG T1 #?	Develop TTCN test cases to support conformance test spec

11.Work item raporteurs

Mr Dan FOX, Anritsu Ltd, UK

12 Work item leadership

TSG T1 SWG /SIG

13 Supporting Companies

Anritsu, Siemens, Ericsson, NTTDoCoMo, Motorola

14 Classification of the WI (if known)

	Feature (go to 14a)
	Building Block (go to 14b)
X	Work Task (go to 14c)

14c. See section 2, Linked Work Items for relationship between this Work Task and its parent Building Block and Feature.

Work Item Description

WT_T1-06_14. Testing RF Radio Transmission and Reception (RF)

1. 3GPP Work Area

X	Radio Access
	Core Network
	Services

2. Linked work items

WP ID	WID	Rel. *	Title
1222	RAN_Wis_1	P_F	Low Chip Rate TDD option
2103	T1-06_11	P_BB	Conformance Test Aspects - Low Chip Rate TDD
2218	T1-06_14	WT	Testing RF Radio Transmission and Reception
1225	RAN_Wis_28	R_WI	RF Radio Transmission and Reception

* Relationship: P = Parent, F = Feature, BB = Building Block, S = Subordinate, R = Related

3. Justification

The core specifications are being updated and enhanced for release 4 (formerly release 2000) and therefore the test specifications must be updated to reflect these changes.

4. Objective

For low chip rate TDD an number of the RF parameters change as a result of the lower chip rate, e.g. operating band width, mask, out of band emissions, blocking, etc. As a result the core specifications will change to reflect these new parameters.

This work task is to modify the RF test specifications in order to reflect these changes.

5. Service Aspects

None

6. MMI-Aspects

None

7. Charging Aspects

None

8. Security Aspects

None

9. Impacts

Affects:	USIM	ME	AN	CN	Others
Yes		X			
No	X		X	X	
Don't know					X

10.Expected Output and Time scale (to be updated at each plenary)

New specifications						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments

Affected existing specifications				
Spec No.	CR	Subject	Approved at plenary#	Comments
TS34.122		Terminal Conformance Specification; Radio transmission and reception (TDD)	TSG T#13 (Sept 01) Work starts: TSG T1 #?	Update test specification for TDD to reflect the changes RF parameters.

11.Work item raporteurs

Mr Thomas MAUCKSCH, Rohde & Schwarz, Germany

12 Work item leadership

TSG T1 SWGs /RF

13 Supporting Companies

Rohde & Schwarz, Siemens, Fujitsu, NTT DoCoMo, Motorola

14 Classification of the WI (if known)

	Feature (go to 14a)
	Building Block (go to 14b)
X	Work Task (go to 14c)

14c. See section 2, Linked Work Items for relationship between this Work Task and its parent Building Block and Feature.

Work Item Description

WT_T1-06_15. Testing UE radio access capability (SIG)

1. 3GPP Work Area

X	Radio Access
	Core Network
	Services

2. Linked work items

WP ID	WID	Rel. *	Title
1222	RAN_Wis_1	P_F	Low Chip Rate TDD option
2103	T1-06_11	P_BB	Conformance Test Aspects - Low Chip Rate TDD
2219	T1-06_15	WT	Testing UE radio access capability
1227	RAN_Wis_30	R_WI	UE radio access capability

* Relationship: P = Parent, F = Feature, BB = Building Block, S = Subordinate, R = Related

3. Justification

The core specifications are being updated and enhanced for release 4 (formerly release 2000) and therefore the test specifications must be updated to reflect these changes.

4. Objective

The low chip rate TDD capability has a modified radio access capability. This results in changes at the physical layer and at layers 2 and 3. It also affects interworking with GERAN.

The objective then is to modify the test specification to reflect the modified radio access requirements of low chip rate TDD.

5. Service Aspects

None

6. MMI-Aspects

None

7. Charging Aspects

None

8. Security Aspects

None

9. Impacts

Affects:	USIM	ME	AN	CN	Others
Yes		X			
No	X		X	X	
Don't know					X

10.Expected Output and Time scale (to be updated at each plenary)

New specifications						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments

Affected existing specifications				
Spec No.	CR	Subject	Approved at plenary#	Comments
TS34.123a,b		User Equipment (UE) conformance specification; Part 1: Protocol conformance specification, Part 2: Implementation Conformance Statement (ICS) proforma specification	TSG T #14 Work starts: TSG T1 #?	Modify the signalling test specification to reflect changes for the low chip rate TDD radio access
TS34.123c		User Equipment (UE) conformance specification; Part 3: TTCN Test Cases	TSG T #15 Work starts: TSG T1 #?	Develop TTCN test cases to support conformance test spec

11.Work item raporteurs

Mr Dan FOX, Anritsu Ltd, UK

12 Work item leadership

TSG T1 SWG /SIG

13 Supporting Companies

NTTDoCoMo

14 Classification of the WI (if known)

	Feature (go to 14a)
	Building Block (go to 14b)
X	Work Task (go to 14c)

14c. See section 2, Linked Work Items for relationship between this Work Task and its parent Building Block and Feature.

Work Item Description

BB_T1-06_16. Conformance Test Aspects - RAN Improvements

1. 3GPP Work Area

X	Radio Access
	Core Network
	Services

2. Linked work items

WP ID	WID	Rel. *	Title
9	RAN_Wis_	P_F	RAN improvements
2102	T1-06_16	BB	Conformance Testing Aspects - RAN improvements
2221	T1-06_19	S_WT	Testing Node B synchronisation for TDD (Master)
2222	T1-06_20	S_WT	Testing Radio access bearer support enhancement
655	RAN_Wis_8	R_WI	Node B synchronisation for TDD (Master)
1472	RAN_Wis_15	R_WI	Radio access bearer support enhancement

* Relationship: P = Parent, F = Feature, BB = Building Block, S = Subordinate, R = Related

3. Justification

The core specifications are being updated and enhanced for release 4 (formerly release 2000) and therefore the test specifications must be updated to reflect these changes.

4. Objective

This work item is a building block used to collect together the conformance testing aspects related to a 3GPP feature. As such it does not require any work at this level and for this reason it is supported by TSG T1 and reported on by the T1 chairman.

All of the work of TSG T1 takes place in its subordinate Work Tasks.

5. Service Aspects

None

6. MMI-Aspects

None

7. Charging Aspects

None

8. Security Aspects

None

9. Impacts

Affects:	USIM	ME	AN	CN	Others
Yes		X			
No	X		X	X	
Don't know					X

10.Expected Output and Time scale (to be updated at each plenary)

New specifications						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments

Affected existing specifications				
Spec No.	CR	Subject	Approved at plenary#	Comments

11.Work item raporteurs

TSG T1 Chairman

12 Work item leadership

TSG T1

13 Supporting Companies

TSG T1

14 Classification of the WI (if known)

	Feature (go to 14a)
X	Building Block (go to 14b)
	Work Task (go to 14c)

14b. See section 2, Linked work items, for relationship between this building block, its parent feature and associated work tasks

Work Item Description

WT_T1-06_17. Testing Smart antenna (Withdrawn from RAN WIs)

Work Item Description

WT_T1-06_18. Testing Node B synchronisation for TDD (SIG/RF)

1. 3GPP Work Area

X	Radio Access
	Core Network
	Services

2. Linked work items

WP ID	WID	Rel. *	Title
9	RAN_Wis_	P_F	RAN improvements
2102	T1-06_16	P_BB	Conformance Testing Aspects - RAN improvements
2221	T1-06_18	WT	Testing Node B synchronisation for TDD (Master)
655	RAN_Wis_8	R_WI	Node B synchronisation for TDD (Master)

* Relationship: P = Parent, F = Feature, BB = Building Block, S = Subordinate, R = Related

3. Justification

The core specifications are being updated and enhanced for release 4 (formerly release 2000) and therefore the test specifications must be updated to reflect these changes.

4. Objective

For TDD operation significant improvements in system efficiency can be achieved if all of the Node Bs in a system are synchronised in time. This can be achieve in a number of ways but convenient way is to use the UE's internal resources to provide appropriate signalling. If this technique is adopted then the test specifications will need to change to reflect these requirements.

5. Service Aspects

None

6. MMI-Aspects

None

7. Charging Aspects

None

8. Security Aspects

None

9. Impacts

Affects:	USIM	ME	AN	CN	Others
Yes		X			
No	X		X	X	
Don't know					X

10.Expected Output and Time scale (to be updated at each plenary)

New specifications						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments

Affected existing specifications				
Spec No.	CR	Subject	Approved at plenary#	Comments
TS34.122		Terminal Conformance Specification; Radio transmission and reception (TDD)	?	Cannot identify the RAN 4 WI that updates 25.123
TS34.123a,b		User Equipment (UE) conformance specification; Part 1: Protocol conformance specification, Part 2: Implementation Conformance Statement (ICS) proforma specification	TSG T #14 Work starts: TSG T1 #?	Modify the protocol test specification to reflect the changes to the UE core specification to support Node B synchronisation
TS34.123c		User Equipment (UE) conformance specification; Part 3: TTCN Test Cases	TSG T #15 Work starts: TSG T1 #?	Develop TTCN test cases to support conformance test spec

11.Work item raporteurs

Mr Dan FOX, Anritsu Ltd, UK

12 Work item leadership

TSG T1 SWG /SIG

13 Supporting Companies

NTTDoCoMo

14 Classification of the WI (if known)

	Feature (go to 14a)
	Building Block (go to 14b)
X	Work Task (go to 14c)

14c. See section 2, Linked Work Items for relationship between this Work Task and its parent Building Block and Feature.

Work Item Description

WT_T1-06_19. Testing Radio access bearer support enhancements (now WT_T1-06_2)

Work Item Description

BB_T1-06_20. Conformance Test Aspects - Bearer modification without pre-notification

1. 3GPP Work Area

X	Radio Access
	Core Network
	Services

2. Linked work items

WP ID	WID	Rel. *	Title
1526	SP-000216	P_FF	Bearer Modification without pre-notification
2057	T1-06_20	BB	Conformance Test Aspects - Bearer modification without pre-notification
1359	NP-000381	R_BB	Service Modification without pre-notification
1364	SP-000216	R_WI	Bearer Modification because of radio conditions
1514	NP-000568	R_WI	Stage 2 Signalling
1853	T1-06_21	S_WT	Testing Service Modification without pre-notification
1857	T1-06_22	S_WT	Testing Bearer Modification because of radio conditions

* Relationship: P = Parent, F = Feature, BB = Building Block, S = Subordinate, R = Related

3. Justification

The core specifications are being updated and enhanced for release 4 (formerly release 2000) and therefore the test specifications must be updated to reflect these changes.

4. Objective

This work item is a building block used to collect together the conformance testing aspects related to a 3GPP feature. As such it does not require any work at this level and for this reason it is supported by TSG T1 and reported on by the T1 chairman.

All of the work of TSG T1 takes place in its subordinate Work Tasks.

5. Service Aspects

None

6. MMI-Aspects

None

7. Charging Aspects

None

8. Security Aspects

None

9. Impacts

Affects:	USIM	ME	AN	CN	Others
Yes		X			
No	X		X	X	
Don't know					X

10.Expected Output and Time scale (to be updated at each plenary)

New specifications						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments

Affected existing specifications				
Spec No.	CR	Subject	Approved at plenary#	Comments

11.Work item raporteurs

TSG T1 Chairman

12 Work item leadership

TSG T1

13 Supporting Companies

TSG T1

14 Classification of the WI (if known)

	Feature (go to 14a)
X	Building Block (go to 14b)
	Work Task (go to 14c)

14b. See section 2, Linked work items, for relationship between this building block, its parent feature and associated work tasks

Work Item Description

WT_T1-06_21. Testing Support for Bearer Modification without pre-notification (SIG)

1. 3GPP Work Area

X	Radio Access
	Core Network
	Services

2. Linked work items

WP ID	WID	Rel. *	Title
1526	SP-000216	P_FF	Bearer Modification without pre-notification
2057	T1-06_20	P_BB	Conformance Test Aspects - Bearer modification without pre-notification
1359	NP-000381	R_BB	Service Modification without pre-notification
1514	NP-000568	R_WI	Stage 2 Signalling
1853	T1-06_21	WT	Testing Service Modification without pre-notification

* Relationship: P = Parent, F = Feature, BB = Building Block, S = Subordinate, R = Related

3. Justification

The core specifications are being updated and enhanced for release 4 (formerly release 2000) and therefore the test specifications must be updated to reflect these changes.

4. Objective

As part of release 4 it has been decided that it shall be possible to change/renegotiate the bearer service during a session or connection. This will require the UE to support additional signalling to cope with this requirement.

The objective therefore, is to modify the conformance test specifications to accommodate the changes for bearer modification without pre notification.

5. Service Aspects

None

6. MMI-Aspects

None

7. Charging Aspects

None

8. Security Aspects

None

9. Impacts

Affects:	USIM	ME	AN	CN	Others
Yes		X			
No	X		X	X	
Don't know					X

10.Expected Output and Time scale (to be updated at each plenary)

New specifications						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments

Affected existing specifications				
Spec No.	CR	Subject	Approved at plenary#	Comments
TS34.123a,b		User Equipment (UE) conformance specification; Part 1: Protocol conformance specification, Part 2: Implementation Conformance Statement (ICS) proforma specification	TSG T #13 Work starts: TSG T1 #?	Modify the protocol test specification to reflect the changes to the UE core specification to bearer modification without pre-notification
TS34.123c		User Equipment (UE) conformance specification; Part 3: TTCN Test Cases	TSG T #15 Work starts: TSG T1 #?	Develop TTCN test cases to support conformance test spec

11.Work item raporteurs

Mr Dan FOX, Anritsu Ltd, UK

12 Work item leadership

TSG T1 SWG /SIG

13 Supporting Companies

(at least 4 companies)

14 Classification of the WI (if known)

	Feature (go to 14a)
	Building Block (go to 14b)
X	Work Task (go to 14c)

14c. See section 2, Linked Work Items for relationship between this Work Task and its parent Building Block and Feature.

Work Item Description

WT_T1-06_22. Testing Stage 2 signalling (SIG/Rel 5)

1. 3GPP Work Area

X	Radio Access
	Core Network
	Services

2. Linked work items

WP ID	WID	Rel. *	Title
1526	SP-000216	P_FF	Bearer Modification without pre-notification
2057	T1-06_20	P_BB	Conformance Test Aspects - Bearer modification without pre-notification
1364	SP-000216	R_WI	Bearer Modification because of radio conditions
1514	NP-000568	R_WI	Stage 2 Signalling
1857	T1-06_22	WT	Testing Bearer Modification because of radio conditions

* Relationship: P = Parent, F = Feature, BB = Building Block, S = Subordinate, R = Related

3. Justification

The core specifications are being updated and enhanced for release 4 (formerly release 2000) and therefore the test specifications must be updated to reflect these changes.

4. Objective

Stage 2 refers to the development of call control protocols between the UE and the core network for setting up multimedia services. These new changes will impact the core specifications for the UE.

The objective of this work task then is to update the conformance test specifications to reflect these changes for Stage 2 call control for multimedia services.

5. Service Aspects

None

6. MMI-Aspects

None

7. Charging Aspects

None

8. Security Aspects

None

9. Impacts

Affects:	USIM	ME	AN	CN	Others
Yes		X			
No	X		X	X	
Don't know					X

10.Expected Output and Time scale (to be updated at each plenary)

New specifications						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments

Affected existing specifications				
Spec No.	CR	Subject	Approved at plenary#	Comments
TS34.123a,b		User Equipment (UE) conformance specification; Part 1: Protocol conformance specification, Part 2: Implementation Conformance Statement (ICS) proforma specification	Work starts: TSG T1 #?	Modify the protocol test specification to reflect the changes to the UE core specification for Stage 2 call control protocols for multimedia services
TS34.123c		User Equipment (UE) conformance specification; Part 3: TTCN Test Cases	Work starts: TSG T1 #?	Develop TTCN test cases to support conformance test spec

11.Work item raporteurs

Mr Dan FOX, Anritsu Ltd, UK

12 Work item leadership

TSG T1 SWG /SIG

13 Supporting Companies

(at least 4 companies)

14 Classification of the WI (if known)

	Feature (go to 14a)
	Building Block (go to 14b)
X	Work Task (go to 14c)

14c. See section 2, Linked Work Items for relationship between this Work Task and its parent Building Block and Feature.

Work Item Description

BB_T1-06_23. Conformance Test Aspects - Emergency call enhancements

1. 3GPP Work Area

X	Radio Access
	Core Network
	Services

2. Linked work items

WP ID	WID	Rel. *	Title
1652		P_F	Emergency call enhancements
2224	T1-06_23	BB	Conformance Test Aspects - Emergency call enhancements
1646	NP-000380	R_WI	Stage 3 for emergency calls and packet emergency calls in general
1654	NP-000379	R_WI	Emergency call enhancements for CS based calls
2225	T1-06_24	S_WT	Testing Stage 3 for emergency calls and packet emergency calls in general
2226	T1-06_25	S_WT	Testing Emergency call enhancements for CS based calls

* Relationship: P = Parent, F = Feature, BB = Building Block, S = Subordinate, R = Related

3. Justification

The core specifications are being updated and enhanced for release 4 (formerly release 2000) and therefore the test specifications must be updated to reflect these changes.

4. Objective

This work item is a building block used to collect together the conformance testing aspects related to a 3GPP feature. As such it does not require any work at this level and for this reason it is supported by TSG T1 and reported on by the T1 chairman.

All of the work of TSG T1 takes place in its subordinate Work Tasks.

5. Service Aspects

None

6. MMI-Aspects

None

7. Charging Aspects

None

8. Security Aspects

None

9. Impacts

Affects:	USIM	ME	AN	CN	Others
Yes		X			
No	X		X	X	
Don't know					X

10.Expected Output and Time scale (to be updated at each plenary)

New specifications						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments

Affected existing specifications				
Spec No.	CR	Subject	Approved at plenary#	Comments

11.Work item raporteurs

TSG T1 Chairman

12 Work item leadership

TSG T1

13 Supporting Companies

TSG T1

14 Classification of the WI (if known)

	Feature (go to 14a)
X	Building Block (go to 14b)
	Work Task (go to 14c)

14b. See section 2, Linked work items, for relationship between this building block, its parent feature and associated work tasks

Work Item Description

WT_T1-06_24. Testing Stage 3 for emergency calls and packet emergency calls in general (SIG – Rel 5)

1. 3GPP Work Area

X	Radio Access
	Core Network
	Services

2. Linked work items

WP ID	WID	Rel. *	Title
1652		P_F	Emergency call enhancements
2224	T1-06_23	P_BB	Conformance Test Aspects - Emergency call enhancements
1646	NP-000380	R_WI	Stage 3 for emergency calls and packet emergency calls in general
2225	T1-06_24	S_WT	Testing Stage 3 for emergency calls and packet emergency calls in general

* Relationship: P = Parent, F = Feature, BB = Building Block, S = Subordinate, R = Related

3. Justification

The core specifications are being updated and enhanced for release 4 (formerly release 2000) and therefore the test specifications must be updated to reflect these changes.

4. Objective

Foe release 4 it will be possible to place ‘emergency calls’ in the packet domain. This requires changes to the UE core specifications.

This work task is to update the conformance test specifications to accommodate emergency call procedure in the packet switched domain.

5. Service Aspects

None

6. MMI-Aspects

None

7. Charging Aspects

None

8. Security Aspects

None

9. Impacts

Affects:	USIM	ME	AN	CN	Others
Yes		X			
No	X		X	X	
Don't know					X

10.Expected Output and Time scale (to be updated at each plenary)

New specifications						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments

Affected existing specifications				
Spec No.	CR	Subject	Approved at plenary#	Comments
TS34.123a,b		User Equipment (UE) conformance specification; Part 1: Protocol conformance specification, Part 2: Implementation Conformance Statement (ICS) proforma specification	Work starts: TSG T1 #?	Modify the protocol test specification to reflect the changes to the UE core specification for Stage 3 emergency calls in the PS domain
TS34.123c		User Equipment (UE) conformance specification; Part 3: TTCN Test Cases	Work starts: TSG T1 #?	Develop TTCN test cases to support conformance test spec

11.Work item raporteurs

Mr Dan FOX, Anritsu Ltd, UK

12 Work item leadership

TSG T1 SWG /SIG

13 Supporting Companies

(at least 4 companies)

14 Classification of the WI (if known)

	Feature (go to 14a)
	Building Block (go to 14b)
X	Work Task (go to 14c)

14c.Ssee section 2, Linked Work Items for relationship between this Work Task and its parent Building Block and Feature.

WT_T1-06_25. Testing Emergency call enhancements for CS based calls (SIG)

1. **3GPP Work Area**

X	Radio Access
	Core Network
	Services

2. **Linked work items**

WP ID	WID	Rel. *	Title
1652		P_F	Emergency call enhancements
2224	T1-06_23	P_BB	Conformance Test Aspects - Emergency call enhancements
1654	NP-000379	R_WI	Emergency call enhancements for CS based calls
2226	T1-06_25	S_WT	Testing Emergency call enhancements for CS based calls

* Relationship: P = Parent, F = Feature, BB = Building Block, S = Subordinate, R = Related

3. **Justification**

The core specifications are being updated and enhanced for release 4 (formerly release 2000) and therefore the test specifications must be updated to reflect these changes.

4. **Objective**

For release 4 the emergency call procedures for circuit switched call will be enhanced, for example common dialling code or unique key sequence.

The objective is to modify the conformance test specifications to reflect these changes in the UE core specifications.

5. **Service Aspects**

None

6. **MMI-Aspects**

None

7. **Charging Aspects**

None

8. **Security Aspects**

None

9. Impacts

Affects:	USIM	ME	AN	CN	Others
Yes		X			
No	X		X	X	
Don't know					X

10.Expected Output and Time scale (to be updated at each plenary)

New specifications						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments

Affected existing specifications				
Spec No.	CR	Subject	Approved at plenary#	Comments
TS34.123a,b		User Equipment (UE) conformance specification; Part 1: Protocol conformance specification, Part 2: Implementation Conformance Statement (ICS) proforma specification	TSG T #13 Work starts: TSG T1 #?	Modify the protocol test specification to reflect the changes to the UE core specification for emergency calls in the CS domain
TS34.123c		User Equipment (UE) conformance specification; Part 3: TTCN Test Cases	TSG T #15 Work starts: TSG T1 #?	Develop TTCN test cases to support conformance test spec

11.Work item raporteurs

Mr Dan FOX, Anritsu Ltd, UK

12 Work item leadership

TSG T1 SWG /SIG

13 Supporting Companies

Nokia, Ericsson, Sony, NTT DoCoMo, Sharp

14 Classification of the WI (if known)

	Feature (go to 14a)
	Building Block (go to 14b)
X	Work Task (go to 14c)

14c.Ssee section 2, Linked Work Items for relationship between this Work Task and its parent Building Block and Feature.

Work Item Description

BB_T1-06_26. Miscelleneous UE Conformance Testing Activities

1. 3GPP Work Area

X	Radio Access
	Core Network
	Services

2. Linked work items

WP ID	WID	Rel. *	Title
1861	T1-06_26	P_F	Miscellaneous UE Conformance Testing Activities
1862	T1-06_27	S_WT	Optimisation of Test Time, RF Aspects (FDD)
1863	T1-06_28	S_WT	Optimisation of Test Time, RF Aspects (TDD)
1907	T1-06_29	S_WT	Extensions to R99 Test cases
1908	T1-06_30	S_WT	Review all other work items for impact on new or exiting 34 series specs.
1909	T1-06_31	S_WT	Additional signalling tests to cover VHE, OSA, MExE, W/B Telephony AMR
TBD	T1-06_32	S_WT	Work to maintain the current release 99 test specification and test cases
TBD	T1-06_33	S_WT	Creation of the Release 99 TTCN TCs for TDD

* Relationship: P = Parent, F = Feature, BB = Building Block, S = Subordinate, R = Related

3. Justification

The core specifications are being updated and enhanced for release 4 (formerly release 2000) and therefore the test specifications must be updated to reflect these changes.

4. Objective

This work item is a building block used to collect together the conformance testing aspects which are not directly related to a 3GPP feature. As such it does not require any work at this level and for this reason it is supported by TSG T1 and reported on by the T1 chairman.

All of the work of TSG T1 takes place in its subordinate Work Tasks.

5. Service Aspects

None

6. MMI-Aspects

None

7. Charging Aspects

None

8. Security Aspects

None

9. Impacts

Affects:	USIM	ME	AN	CN	Others
Yes		X			
No	X		X	X	
Don't know					X

10.Expected Output and Time scale (to be updated at each plenary)

New specifications						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments

Affected existing specifications				
Spec No.	CR	Subject	Approved at plenary#	Comments

11.Work item raporteurs

TSG T1 Chairman

12 Work item leadership

TSG T1

13 Supporting Companies

TSG T1

14 Classification of the WI (if known)

	Feature (go to 14a)
X	Building Block (go to 14b)
	Work Task (go to 14c)

14b. See section 2, Linked work items, for relationship between this building block, its parent feature and associated work tasks

WT_T1-06_27. Optimisation of Test Time, RF Aspects (FDD) (RF)

1. 3GPP Work Area

X	Radio Access
	Core Network
	Services

3. Linked work items

WP ID	WID	Rel. *	Title
1861	T1-06_26	P_F	Miscellaneous UE Conformance Testing Activities
1862	T1-06_27	S_WT	Optimisation of Test Time, RF Aspects (FDD)

* Relationship: P = Parent, F = Feature, BB = Building Block, S = Subordinate, R = Related

3. Justification

The core specifications are being updated and enhanced for release 4 (formerly release 2000) and therefore the test specifications must be updated to reflect these changes.

The current test specifications are designed to provide comprehensive testing of a UE against the core specification. At this stage (Rel 99) little consideration has been given to the practical issues of overall test time and the number of test cases required to provide an acceptable level of confidence.

4. Objective

The objective then is as follows:-

1. To investigate the typical test time of each test case
2. To investigate where test functionality overlaps from one test case to another
3. To recommend a minimum combination of test cases and test parameters that are consistent with proving conformance of the UE to the core specifications and to a high level of confidence
4. This should then be consistent with the optimum test time

5. Service Aspects

None

6. MMI-Aspects

None

7. Charging Aspects

None

8. Security Aspects

None

9. Impacts

Affects:	USIM	ME	AN	CN	Others
Yes		X			
No	X		X	X	
Don't know					X

10.Expected Output and Time scale (to be updated at each plenary)

New specifications						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments

Affected existing specifications				
Spec No.	CR	Subject	Approved at plenary#	Comments
TS34.121		Terminal Conformance Specification; Radio transmission and reception (FDD)	Work starts: TSG T1 #?	Recommended test suite to provide high level of confidence consistent with optimised test time

11.Work item raporteurs

Mr Kunitoshi YONEKURA, Fujitsu, Japan;

12 Work item leadership

TSG T1 SWGs /RF

13 Supporting Companies

Agilent, Rohde & Schwarz, Anritsu, Nokia, Qualcomm

14 Classification of the WI (if known)

	Feature (go to 14a)
	Building Block (go to 14b)
X	Work Task (go to 14c)

14c. See section 2, Linked Work Items for relationship between this Work Task and its parent Building Block and Feature.

WT_T1-06_28. Optimisation of Test Time, RF Aspects (TDD) (RF)

1. 3GPP Work Area

X	Radio Access
	Core Network
	Services

4. Linked work items

WP ID	WID	Rel. *	Title
1861	T1-06_26	P_F	Miscellaneous UE Conformance Testing Activities
1863	T1-06_28	S_WT	Optimisation of Test Time, RF Aspects (TDD)

* Relationship: P = Parent, F = Feature, BB = Building Block, S = Subordinate, R = Related

3. Justification

The core specifications are being updated and enhanced for release 4 (formerly release 2000) and therefore the test specifications must be updated to reflect these changes.

The current test specifications are designed to provide comprehensive testing of a UE against the core specification. At this stage (Rel 99) little consideration has been given to the practical issues of overall test time and the number of test cases required to provide an acceptable level of confidence.

4. Objective

The objective then is as follows:-

5. To investigate the typical test time of each test case
6. To investigate where test functionality overlaps from one test case to another
7. To recommend a minimum combination of test cases and test parameters that are consistent with proving conformance of the UE to the core specifications and to a high level of confidence
8. This should then be consistent with the optimum test time

5. Service Aspects

None

6. MMI-Aspects

None

7. Charging Aspects

None

8. Security Aspects

None

9. Impacts

Affects:	USIM	ME	AN	CN	Others
Yes		X			
No	X		X	X	
Don't know					X

10.Expected Output and Time scale (to be updated at each plenary)

New specifications						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments

Affected existing specifications				
Spec No.	CR	Subject	Approved at plenary#	Comments
TS34.122		Terminal Conformance Specification; Radio transmission and reception (TDD)	Work starts: TSG T1 #?	Recommended test suite to provide high level of confidence consistent with optimised test time

11.Work item raporteurs

Mr Kunitoshi YONEKURA, Fujitsu, Japan;

12 Work item leadership

TSG T1 SWGs /RF

13 Supporting Companies

Agilent, Rohde & Schwarz, Anritsu and Nokia

14 Classification of the WI (if known)

	Feature (go to 14a)
	Building Block (go to 14b)
X	Work Task (go to 14c)

14c. See section 2, Linked Work Items for relationship between this Work Task and its parent Building Block and Feature.

WT_T1-06_29. Extensions to R99 Test cases (SIG)

1. **3GPP Work Area**

X	Radio Access
	Core Network
	Services

5. **Linked work items**

WP ID	WID	Rel. *	Title
1861	T1-06_26	P_F	Miscellaneous UE Conformance Testing Activities
1907	T1-06_29	S_WT	Extensions to R99 Test cases

* Relationship: P = Parent, F = Feature, BB = Building Block, S = Subordinate, R = Related

3. **Justification**

The core specifications are being updated and enhanced for release 4 (formerly release 2000) and therefore the test specifications must be updated to reflect these changes.

For release 99 it has not been possible to provide a complete coverage of signalling test cases. For this reason TSG T1 aims to complete the remaining sections as part of its Release 4 work.

4. **Objective**

To provide additional test cases to cover the remaining areas not covered by Rel 99, for example 2G/3G handover and supplementary services.

5. **Service Aspects**

None

6. **MMI-Aspects**

None

7. **Charging Aspects**

None

8. **Security Aspects**

None

9. **Impacts**

Affects:	**USIM**	**ME**	**AN**	**CN**	**Others**
Yes		X			
No	X		X	X	
Don't know					X

10.Expected Output and Time scale (to be updated at each plenary)

New specifications						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments

Affected existing specifications				
Spec No.	CR	Subject	Approved at plenary#	Comments
TS34.123a,b		User Equipment (UE) conformance specification; Part 1: Protocol conformance specification, Part 2: Implementation Conformance Statement (ICS) proforma specification	TSG T #14 Work starts: TSG T1 #?	Additional test cases
TS34.123c		User Equipment (UE) conformance specification; Part 3: TTCN Test Cases	TSG T #15 Work starts: TSG T1 #?	

11.Work item raporteurs

Mr Dan FOX, Anritsu Ltd, UK;

12 Work item leadership

TSG T1 SWGs /SIG

13 Supporting Companies

Nokia, Siemens, Sony, NTT DoCoMo, Denso, (Sharp), Motorola

14 Classification of the WI (if known)

	Feature (go to 14a)
	Building Block (go to 14b)
X	Work Task (go to 14c)

14c. See section 2, Linked Work Items for relationship between this Work Task and its parent Building Block and Feature.

WT_T1-06_30, Review all other work items for impact on new or exiting 34 series specs.

WT_T1-06_31, Additional signalling tests to cover VHE, OSA, MExE, W/B Telephony AMR

WT_T1-06_32. Maintenance of the R99 test specification and test cases (SIG)

1. **3GPP Work Area**

X	Radio Access
	Core Network
	Services

6. **Linked work items**

WP ID	WID	Rel. *	Title
1861	T1-06_26	P_F	Miscellaneous UE Conformance Testing Activities
TBD	T1-06_32	S_WT	Work to maintain the current release 99 test specification and test cases

* Relationship: P = Parent, F = Feature, BB = Building Block, S = Subordinate, R = Related

3. **Justification**

It is expected that for the immediate future it will be necessary to update and maintain the release 99 test specifications, especially those relating to signalling. It is also expected that this will represents a significant amount of work for TSG T1 hence the need for a separate work item.

4. **Objective**

To update and maintain the release 99 test specifications. This is most likely to affect documents 34.123 parts 1-3.

5. **Service Aspects**

None

6. **MMI-Aspects**

None

7. **Charging Aspects**

None

8. **Security Aspects**

None

9. **Impacts**

Affects:	**USIM**	**ME**	**AN**	**CN**	**Others**
Yes		X			
No	X		X	X	
Don't know					X

10.Expected Output and Time scale (to be updated at each plenary)

New specifications						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments

Affected existing specifications				
Spec No.	CR	Subject	Approved at plenary#	Comments
TS34.123a,b		User Equipment (UE) conformance specification; Part 1: Protocol conformance specification, Part 2: Implementation Conformance Statement (ICS) proforma specification	TSG T #14 Work starts: TSG T1 #?	General maintenance and updates
TS34.123c		User Equipment (UE) conformance specification; Part 3: TTCN Test Cases	TSG T #15 Work starts: TSG T1 #?	

11.Work item raporteurs

Mr Dan FOX, Anritsu Ltd, UK;

12 Work item leadership

TSG T1 SWGs /SIG

13 Supporting Companies

Nokia, Siemens, Sony, NTTDoCoMo, Denso, Motorola

14 Classification of the WI (if known)

	Feature (go to 14a)
	Building Block (go to 14b)
X	Work Task (go to 14c)

14c. See section 2, Linked Work Items for relationship between this Work Task and its parent Building Block and Feature.

WT_T1-06_33. Creation of the Release 99 TTCN TCs for TDD (SIG)

1. **3GPP Work Area**

X	Radio Access
	Core Network
	Services

7. **Linked work items**

WP ID	WID	Rel. *	Title
1861	T1-06_26	P_F	Miscellaneous UE Conformance Testing Activities
TBD	T1-06_33	S_WT	Creation of the Release 99 TTCN TCs for TDD

* Relationship: P = Parent, F = Feature, BB = Building Block, S = Subordinate, R = Related

3. **Justification**

So far for release 99 it has only been possible to create the TTCN test cases for FDD. It will be necessary to modify and adapt these FDD test cases to test TDD.

4. **Objective**

To provide 3GPP with an abstract test suite in TTCN capable of conformance testing the TDD signalling.

5. **Service Aspects**

None

6. **MMI-Aspects**

None

7. **Charging Aspects**

None

8. **Security Aspects**

None

9. **Impacts**

Affects:	**USIM**	**ME**	**AN**	**CN**	**Others**
Yes		X			
No	X		X	X	
Don't know					X

10.Expected Output and Time scale (to be updated at each plenary)

New specifications						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments

Affected existing specifications				
Spec No.	CR	Subject	Approved at plenary#	Comments
TS34.123a,b		User Equipment (UE) conformance specification; Part 1: Protocol conformance specification, Part 2: Implementation Conformance Statement (ICS) proforma specification	TSG T #14 Work starts: TSG T1 #?	Adaptation for TDD
TS34.123c		User Equipment (UE) conformance specification; Part 3: TTCN Test Cases	TSG T #15 Work starts: TSG T1 #?	Adaptation for TDD

11.Work item raporteurs

Mr Dan FOX, Anritsu Ltd, UK;

12 Work item leadership

TSG T1 SWGs /SIG

13 Supporting Companies

Siemens, NTTDoCoMo

14 Classification of the WI (if known)

	Feature (go to 14a)
	Building Block (go to 14b)
X	Work Task (go to 14c)

14c. See section 2, Linked Work Items for relationship between this Work Task and its parent Building Block and Feature.

Work Item Description

WT_T1-06_34. Testing RAB support enhancements-Robust Header Compression (SIG/Rel 4)

1. 3GPP Work Area

X	Radio Access
	Core Network
	Services

2. Linked work items

WP ID	WID	Rel. *	Title
9	RAN_Wis_	P_F	RAN improvements
2102	T1-06_16	P_BB	Conformance Testing Aspects - RAN improvements
2206	WI Completed	R_WI	RAB support enhancement - ROHC part only
2461?	T1-06_34	WT	Testing RAB support enhancements-Robust Header Compression

* Relationship: P = Parent, F = Feature, BB = Building Block, S = Subordinate, R = Related

3. Justification

The core specifications are being updated and enhanced for release 4 (formerly release 2000) and therefore the test specifications must be updated to reflect these changes.

See LS from R2, R2-010760

TSG RAN WG2 would like to inform TSG-T WG1 that the Robust Header Compression (ROHC) protocol as standardised in the Internet Engineering Task Force (IETF) ROHC WG has been agreed by TSG RAN WG2 to be included in Release 4 of PDCP(TS 25.323).

ROHC has been part of the work item, "Radio Access Bearer Support Enhancements" and the results are captured in TR 25.844 v2.0.0. The corresponding CRs to include ROHC into the Release 4 of radio interface protocols have also been agreed in TSG RAN WG2.

The IETF standardisation process has a requirement for interoperability testing before an IETF protocol is made a permanent standard. However, TSG RAN WG2 would like to ask TSG-T WG1 if it is necessary to test the ROHC protocol in 3GPP if it already will be done in IETF. Should there be tests in 3GPP and/or co-operation from 3GPP with the IETF interoperability tests for ROHC?.

TSG RAN2 WG2 would like TSG-T WG1 to consider these questions when designing tests for Release 4 of PDCP.

4. Objective

This work item should provide the conformance test capability to verify that the radio access bearer support enhancements on the Uu interface are correctly implemented within the UE for Robust Header Compression (RoHC).

5. Service Aspects

None

6. MMI-Aspects

None

7. Charging Aspects

None

8. Security Aspects

None

9. Impacts

Affects:	USIM	ME	AN	CN	Others
Yes		X			
No	X		X	X	
Don't know					X

10.Expected Output and Time scale (to be updated at each plenary)

New specifications						
Spec No.	Title	Prime rsp. WG	2ndary rsp. WG(s)	Presented for information at plenary#	Approved at plenary#	Comments

Affected existing specifications				
Spec No.	CR	Subject	Approved at plenary#	Comments
TS34.123a,b		User Equipment (UE) conformance specification; Part 1: Protocol conformance specification, Part 2: Implementation Conformance Statement (ICS) proforma specification	TSG T #14 Work starts: TSG T1 #?	Header compression for VoIP, Normally referenced from an IETF RFC?,
TS34123c		User Equipment (UE) conformance specification; Part 3: TTCN Test Cases	TSG T #15 Work starts: TSG T1 #?	Preparation and modification of TTCN test cases to accommodate changes in test specification

11.Work item raporteurs

Dan Fox, Chairman of TSG T1/SIG

12 Work item leadership

TSG T1 SWG/SIG

13 Supporting Companies

(at least 4 companies)

14 Classification of the WI (if known)

	Feature (go to 14a)
	Building Block (go to 14b)
X	Work Task (go to 14c)

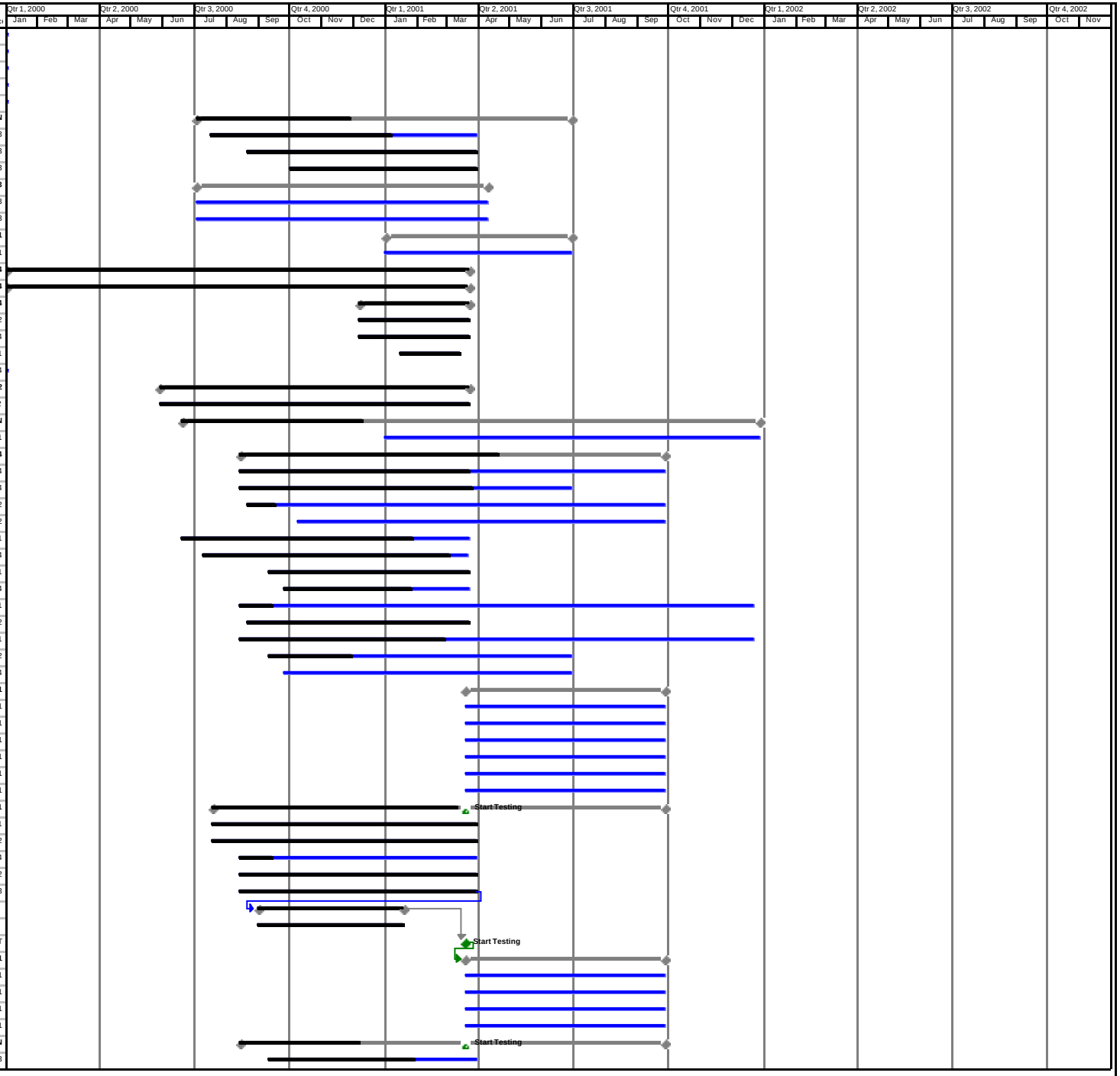
14c. See section 2, Linked Work Items for relationship between this Work Task and its parent Building Block and Feature.

Index of TSG T1 Release 4/5 Work Items

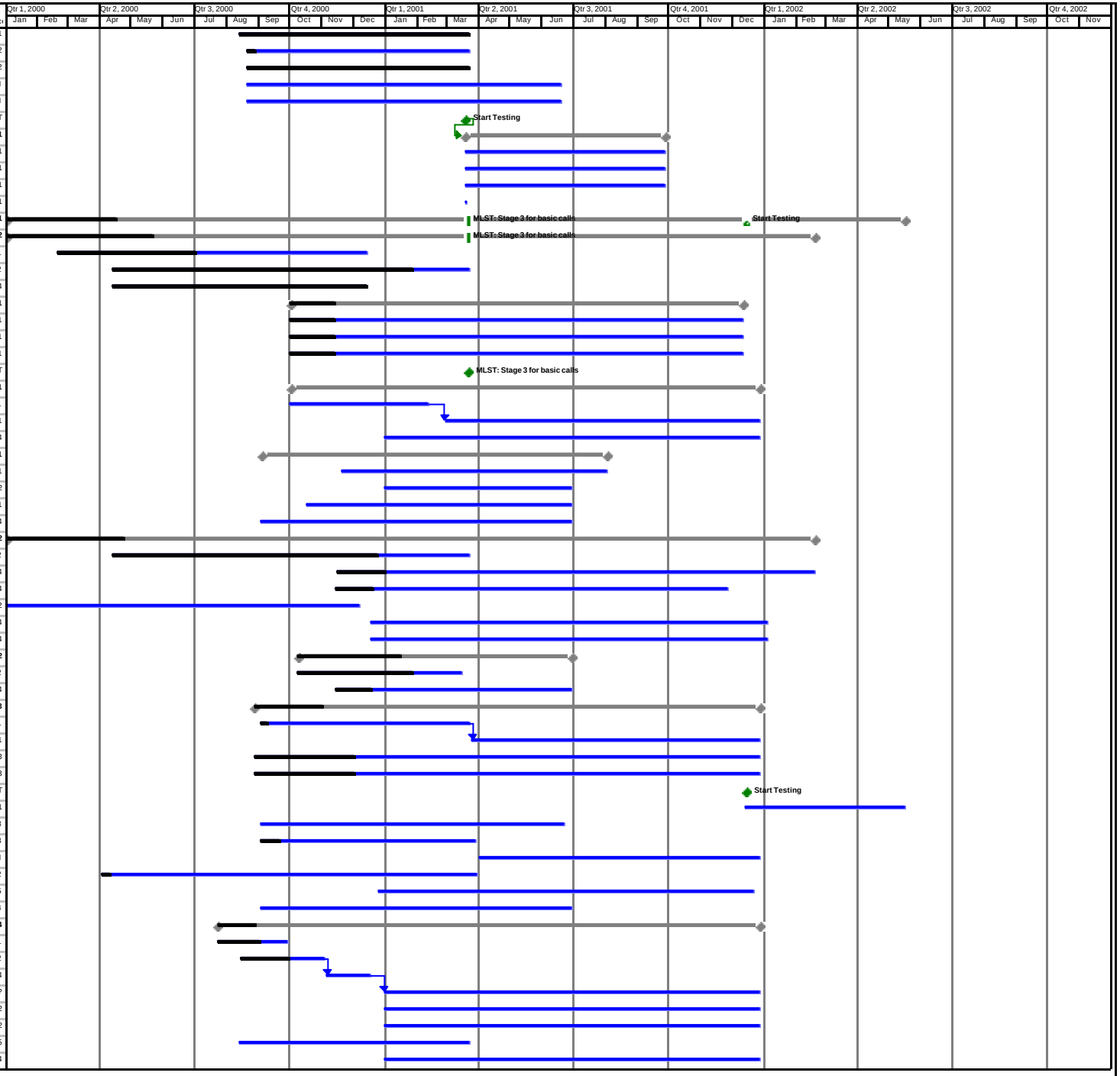
WIs with 4 or more supporters

T1 WI	Title	Page	Supporters	Related WI	Original Tdoc	Core specs. Affected (not all shown below)													CS Supporters
Rel 4						23.003	23.022	24.008	25.101	25.102	25.123	25.133	25.214	25.224	25.321	25.322	25.331	25.433	New CS	
T1-06_1	Conformance Test Aspects - Evolutions of the transport in the UTRAN	3	Building Block only, TSG T1																	
T1-06_2	Testing radio access bearer support enhancements (SIG)	5	Ericsson, Sharp, Motorola	RAN 15	RP-000140												*			Ericsson, Bosch (Siemens), Nortel Networks, Telia AB
T1-06_3	Conformance Test Aspects - improvements in Radio Interface	8	Building Block only, TSG T1																	
T1-06_8	Testing Terminal Power saving features (SIG)	20	Nokia	RAN 11	RP-000189				*				*				*	*		Samsung, LGIC, SK Telecom, ETRI,KT, Dacom
T1-06_9	Testing DSCH power control improvement in soft handover (SIG/RF)	22	Nokia, Qualcomm	RAN 37	RP-000442				*				*				*			RAN 4
T1-06_10	Testing UMTS 1800 (SIG/RF)	25	Qualcomm, Motorola	RAN 39	RP-000448				*											Motorola, Hutchison Europe, Alcatel, Siemens
T1-06_11	Conformance Test Aspects - Low Chip Rate TDD	28	Building Block only, TSG T1																	
T1-06_12	Testing Physical Layer (RF)	30	NTTDoCoMo	RAN 26	RP-000311									*						Ericsson, Fujitsu, IDC, LG, NTT DoCoMo, Panasonic, RFI, Samsung, Siemens
T1-06_13	Testing Layer 2 and layer 3 protocol aspects (SIG)	32	Anritsu, Siemens, Ericsson, NTTDoCoMo, Motorola	RAN 27	RP-000312										*	*	*			Ericsson, Fujitsu, IDC, LG, NTT DoCoMo, Panasonic, RFI, Samsung, Siemens
T1-06_14	Testing RF Radio Transmission and Reception (RF)	34	Rohde & Schwarz, Siemens, Fujitsu, NTT DoCoMo, Motorola																	
T1-06_15	Testing UE radio access capability (SIG) (is there a real test requirement here?)	36	NTTDoCoMo	RAN 30	RP-000315															Ericsson, Fujitsu, IDC, LG, NTT DoCoMo, Panasonic, RFI, Samsung, Siemens
T1-06_16	Conformance Test Aspects - RAN Improvements	38	Building Block only, TSG T1																	
T1-06_18	Testing Node B synchronisation for TDD (SIG/RF)	41	NTTDoCoMo	RAN 8	RP-000055						*			*	*		*	*		Interdigital Communications, Nokia, NTT DoCoMo, Siemens, Vodafone
T1-06_20	Conformance Test Aspects - Bearer modification without pre-notification	46	Building Block only, TSG T1																	
T1-06_21	Testing Support for Bearer Modification without pre-notification (SIG)	48		NP-000381				*												NEC, NTT, Fujitsu, Nippon Telecom, Lucent
T1-06_23	Conformance Test Aspects - Emergency call enhancements	52	Building Block only, TSG T1																	
T1-06_25	Testing Emergency call enhancements for CS based calls (SIG)	56	Nokia, Ericsson, Sony, NTTDoCoMo, Sharp	NP-000379				*												Ericsson, NTT DoCoMo, NEC, Lucent
T1-06_26	Miscelleneous UE Conformance Testing Activities	58	Building Block only, TSG T1																	
T1-06_27	Optimisation of Test Time, RF Aspects (FDD) (RF)	60	Agilent, Rohde & Schwarz, Anritsu, Nokia, Qualcomm	New																
T1-06_28	Optimisation of Test Time, RF Aspects (TDD) (RF)	62	Agilent, Rohde & Schwarz, Anritsu and Nokia	New																
T1-06_29	Extensions to R99 Test cases (SIG)	64	Nokia, Siemens, Sony, NTTDoCoMo, Denso, (Sharp), Motorola	New																
T1-06_32	Maintenance of the R99 test specification and test cases (SIG)	67	Nokia, Siemens, Sony, NTTDoCoMo, Denso, Motorola	New																
T1-06_33	Creation of the Release 99 TTCN TCs for TDD (SIG)	69	Siemens, NTTDoCoMo	New																
Rel 5																				
T1-06_5	Testing improvement of inter-frequency and inter-system measurement (Rel 5)	12	Motorola	RAN 16	RP-000180										*	*				Ericsson, Lucent Technologies, Nokia, Nortel Networks, Omnitel
T1-06_6	Testing Hybrid ARQ II/III (Rel 5)	15		RAN 7	RP-000054								*		*	*	*	*		Interdigital Communications, Nokia, NTT DoCoMo, Siemens
T1-06_7	Testing Improved usage of DL resource in FDD for CCTrCHs of dedicated type (Rel 5)	18		RAN 17	RP-000169												*	*		Nortel Networks, Nokia, Motorola, Siemens
T1-06_22	Testing Stage 2 signalling (SIG/Rel 5)	50		SP-000216, NP-000568	SP-000216, NP-000568														*	Lucent, T-Mobil, BT, Ericsson, Vodafone, Motorola, CSELT, Nortel, Nokia
T1-06_24	Testing Stage 3 for emergency calls and packet emergency calls in general (SIG – Rel 5)	54		NP-000380															*	Ericsson, T-Mobil, CSELT/SIM, Motorola, Fujitsu, Lucent

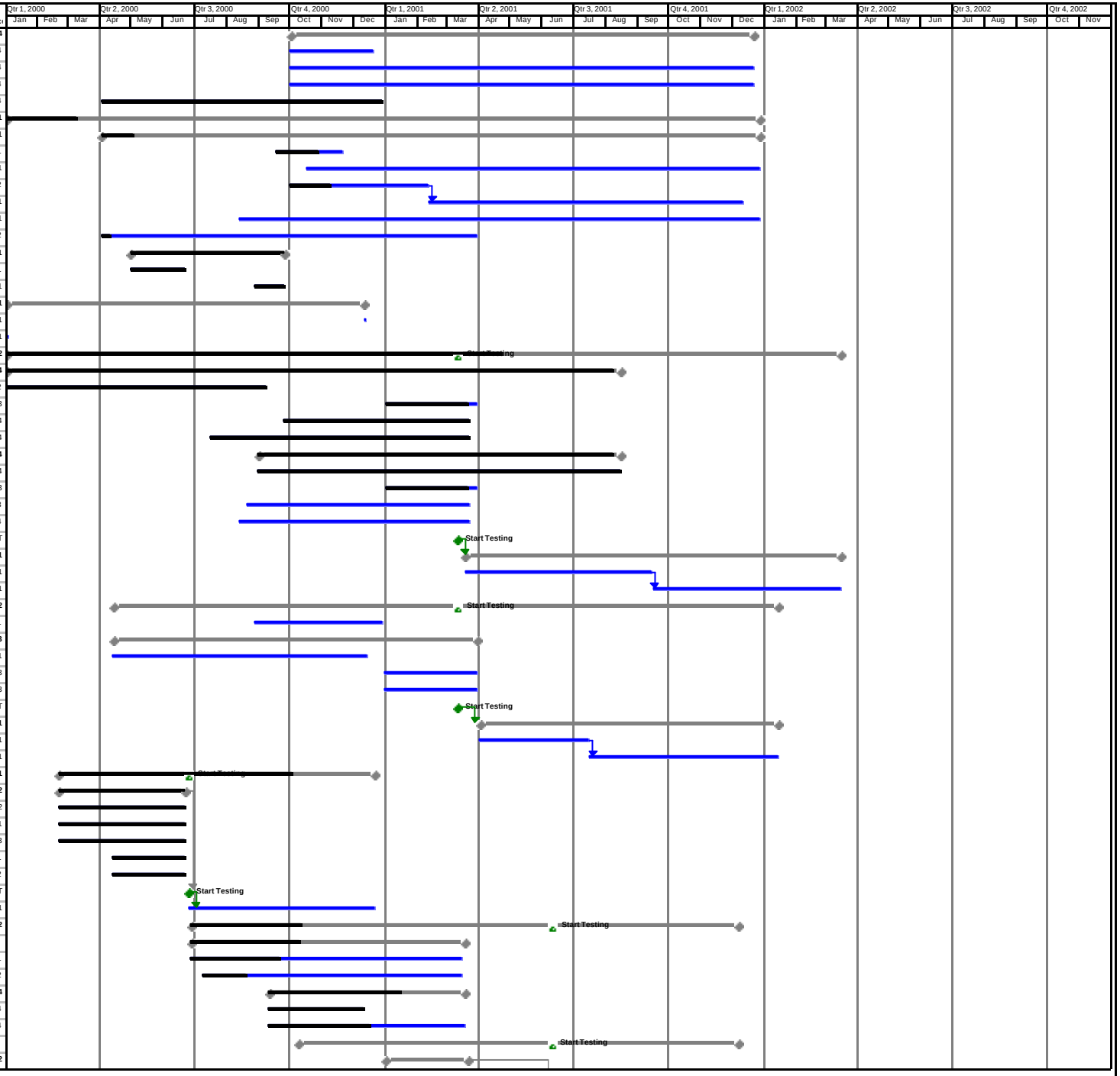
ID	Unique	Name	Modified	Relea	Splita	Resource
1	2044	**VERSION 2001 March 13th**	No		No	
2	1462	**"CTRL + a" to display all the 3GPP fields**	No		No	
3	1463	**If MS Project crashes, hide the "hyperlink" field**	No		No	
4	2058		No		No	
5	96		No		No	
6	2	**Evolutions of the transport in the UTRAN**	No	NA	Yes	SG RAN
7	625	**IP transport in the UTRAN**	No	Rel4	No	/G RAN3
8	12	**QoS optimisation for AAL2 connections over Iub and Iur**	No	Rel4	No	/G RAN3
9	1995	**Transport bearer modification procedure on Iub, Iur, and**	No	Rel4	No	/G RAN3
10	2257	**Evolution of transport in UTRAN and GERAN**	No	Rel4	No	G RAN3
11	2258	Addition of transport mechanisms other than ATM for Iu - Identification	No		No	/G RAN3
12	2259	Addition of transport mechanisms other than ATM for Iu - Specificatio	No		No	/G RAN3
13	1834	**Conformance Test Aspects**	No		No	WG T1
14	2208	Testing RAB support enhancements	No		No	WG T1
15	4	**Evolutions of the transport in the CN**	No	NA	Yes	WG CN4
16	859	**IP Transport of CN protocols (e.g., CAP, MAP)**	No	Rel4	No	WG CN4
17	1679	Stage 3	No		No	WG CN4
18	2018	CAP	No		Yes	WG CN2
19	2019	MAP	No		No	WG CN4
20	2253	BSSAP+	No		No	WG CN1
21	2455	FS on Usage of SUA	No		No	WG CN4
22	1513	**FS on Transport and control separation in the PS CN do**	No		No	WG SA2
23	1615	Architectural impacts	No		No	WG SA2
24	1216	**Improvements of Radio Interface**	No	NA	Yes	SG RAN
25	1470	**Improvement of inter-frequency and inter-system measure**	No	Rel5	No	/G RAN1
26	1471	**Base station classification**	No	Rel4	No	G RAN4
27	1476	FDD Base station classification	No		No	/G RAN4
28	1477	TDD Base station classification	No		No	/G RAN4
29	1217	**Hybrid ARQ II/III**	No	Rel5	No	/G RAN2
30	1218	**Improved usage of downlink resource in FDD for CCTrCH**	No	Rel5	No	/G RAN2
31	1507	**Terminal Power Saving features**	No	Rel4	No	/G RAN1
32	1509	**UTRA repeater specification (master)**	No	Rel4	No	/G RAN4
33	1994	**DSCH power control improvement in soft handover**	No	Rel4	No	/G RAN1
34	1996	**UMTS 1800**	No	Rel4	No	/G RAN4
35	1506	**FS on Radio link performance enhancements**	No		No	/G RAN1
36	1219	**FS on High Speed downlink packet access**	No		No	/G RAN2
37	1221	**FS on USTS**	No		No	/G RAN1
38	1510	**FS on improved common DL channel for Cell-FACH state**	No		No	/G RAN2
39	1997	**FS on UE antenna efficency test method performance requ**	No		No	/G RAN4
40	1839	**Conformance Test Spec. improvements in Radio Interface**	No		No	WG T1
41	2210	Testing improvement of inter-frequency and inter-system measuren	No		No	WG T1
42	2211	Testing Hybrid ARQ II/III	No		No	WG T1
43	2212	Testing Improved usage of downlink resource in FDD for CCTrCHs	No		No	WG T1
44	2213	Testing Terminal Power saving features	No		No	WG T1
45	2214	Testing DSCH power control improvement in soft handover	No		No	WG T1
46	2215	Testing UMTS 1800	No		No	WG T1
47	1222	**Low Chip Rate TDD option**	No	Rel4	No	G RAN1
48	1223	**Physical layer**	No		No	/G RAN1
49	1224	**Layer 2 and layer 3 protocol aspects**	No		No	/G RAN2
50	1225	**RF radio transmission/reception, system performance requ**	No		No	/G RAN4
51	1227	**UE radio access capability**	No		No	/G RAN2
52	1228	**Iub/Iur protocol aspects**	No	Rel4	No	/G RAN3
53	2262	**Low chiprate TDD interworking with GERAN**	No		No	
54	2263	Handover and Cell Selection / Reselection to UTRA 1.28 Mcps TDD	No		No	
55	1911	**Start Testing**	No		No	MLST
56	2103	**Conformance Test Aspects - Low Chip Rate TDD**	No		No	WG T1
57	2216	Testing Physical Layer	No		No	WG T1
58	2217	Testing Layer 2 and layer 3 protocol aspects	No		No	WG T1
59	2218	Testing RF Radio Transmission and Reception	No		No	WG T1
60	2219	Testing UE radio access capability	No		No	WG T1
61	9	**RAN improvements**	No	NA	Yes	SG RAN
62	656	**RRM optimization for Iur and Iub**	No	Rel4	No	/G RAN3



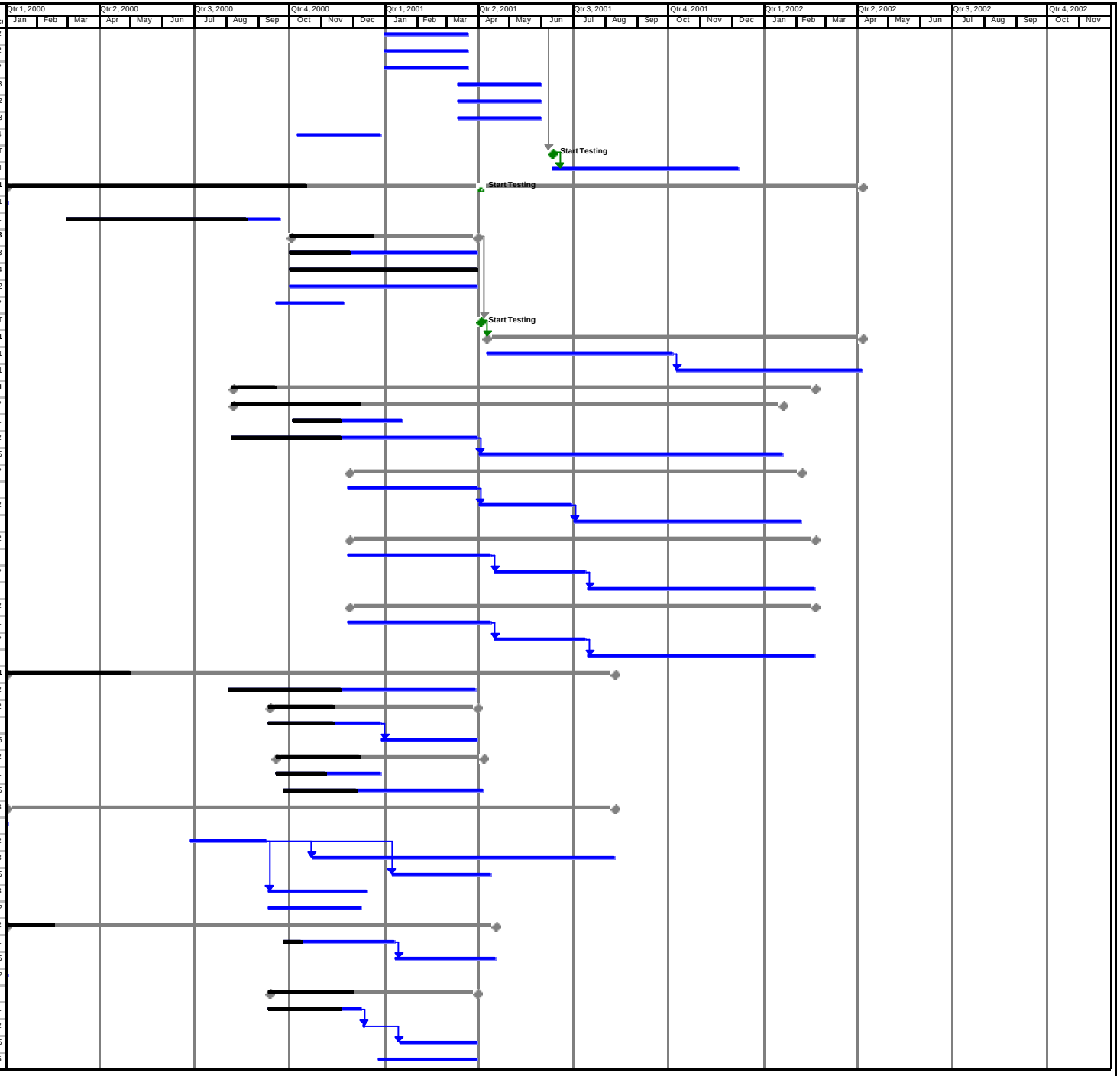
ID	Unique	Name	Modified	Relea	Splita	Resource
63	655	**Node B synchronisation for TDD**	No	Rel4	No	/G RAN1
64	624	**RAB support enhancement - no ROHC**	No	Rel5	No	/G RAN2
65	2206	**RAB support enhancement - ROHC part only**	No	Rel4	No	/G RAN2
66	1680	**Header compression removal/stripping in the RAN**	No	Rel5	No	TSG RAN
67	1686	**Unequal error protection in PS domain in the RAN**	No	Rel5	No	TSG RAN
68	1912	**Start Testing**	No		No	MLST
69	**2102**	**Conformance Test Aspects - RAN Improvements**	**No**		**No**	**WG T1**
70	2220	Testing Smart antenna	No		No	WG T1
71	2221	Testing Node B synchronisation for TDD	No		No	WG T1
72	2222	Testing Radio access bearer support enhancments	No		No	WG T1
73	2461	**Testing RAB support enhancements-Robust He**	Yes		No	WG T1
74	**1273**	**Provisioning of IP-based multimedia services**	**No**	**Rel5**	**No**	**WG SA1**
75	**1274**	**Call control and roaming to support IP-based multimedia**	**No**		**No**	**WG SA2**
76	1633	Stage 1	No		No	WG SA1
77	1514	Stage 2 (Architecture and Main flows)	No		No	WG SA2
78	1277	FS on Impacts on HSS	No		No	WG CN4
79	**2233**	SIP Call Control protocol for the IM CN Subsystem	**No**		**No**	**WG CN1**
80	1998	IP multimedia subsystem signalling flows	No		No	WG CN1
81	1278	IP multimedia subsystem stage 3	No		No	WG CN1
82	2255	IP Multimedia (IM) Session Handling; stage 2	No		No	WG CN1
83	1673	MLST: Stage 3 for basic calls	No		No	MLST
84	**1804**	SIP interactions with the Rel4 Supl Services	**No**		**No**	**WG CN1**
85	1650	Check if any	No		No	WG SA1
86	1651	Stage 3 if applicable	No		No	WG CN1
87	1280	SIP SS and relationship to Mg, Mw and Cx	No		No	WG CN4
88	**1281**	Multimedia Capabilities	**No**		**No**	**WG CN1**
89	1282	Terminal capabilities	No		No	WG CN1
90	1806	Terminal capabilities and Interactions on running multimedia fro	No		No	WG T2
91	1805	Network capabilities	No		No	WG CN1
92	1285	Network capabilities (N4 aspects)	No		No	WG CN4
93	**1286**	CSCF – HSS (Cx) applications and services (SCP)	**No**		**No**	**WG SA2**
94	1515	Stage 2 flows	No		No	WG SA2
95	2021	Stage 2 flows (N4) (see note)	No		No	WG CN4
96	2023	Impacts from CAMEL	No		No	WG CN4
97	1288	Impact on Camel Stage 3	No		No	WG CN2
98	1289	Impact on MAP	No		No	WG CN4
99	2024	Stage 3 protocol on Cx	No		No	WG CN4
100	**1290**	Addressing, Identities	**No**		**No**	**WG SA2**
101	1291	Architectural issues	No		No	WG SA2
102	1292	Impact on HSS	No		No	WG CN4
103	**1294**	Interworking with other multimedia protocols	**No**		**No**	**WG CN3**
104	1295	Requirements	No		No	WG SA1
105	1296	Impact on MM/CC/SM	No		No	WG CN1
106	2047	Interworking between IM CN subsystem and CS networks	No		No	WG CN3
107	2048	Interworking between IM CN subsystem and IP networks	No		No	WG CN3
108	1913	**Start Testing**	No		No	MLST
109	1844	**Conformance Test Aspects - Provisioning of IP-based mul**	No		No	WG T1
110	1298	**Access Security for IP-based services**	No		No	WG SA3
111	1299	**Lawful interception**	No		No	WG SA3
112	1300	**RAN improvements and evolution of the bearers on the R**	No		No	TSG RAN
113	1597	**(Copy) Ensure reliable QoS for PS domain and IM subsys**	No		No	WG SA2
114	1303	**(Copy) Charging and OAM&P**	No		No	WG SA5
115	1598	**(Copy) AMR-WB**	No		No	WG SA4
116	**1305**	**Roaming between IP multimedia and CS domain network**	**No**		**No**	**WG CN4**
117	1457	Roaming requirements	No		No	WG SA1
118	1306	Stage 2	No		No	WG SA2
119	1307	Stage 2 review	No		No	WG CN4
120	1456	Internetwork roaming aspects	No		No	?
121	2227	MExE interactions	No		No	WG T2
122	2228	MMS interactions	No		No	WG T2
123	1310	**Support of VHE/OSA by Rel4 network entities and protoc**	No		No	WG CN5
124	1732	**Number portability in IM subsystem**	No		No	WG CN4



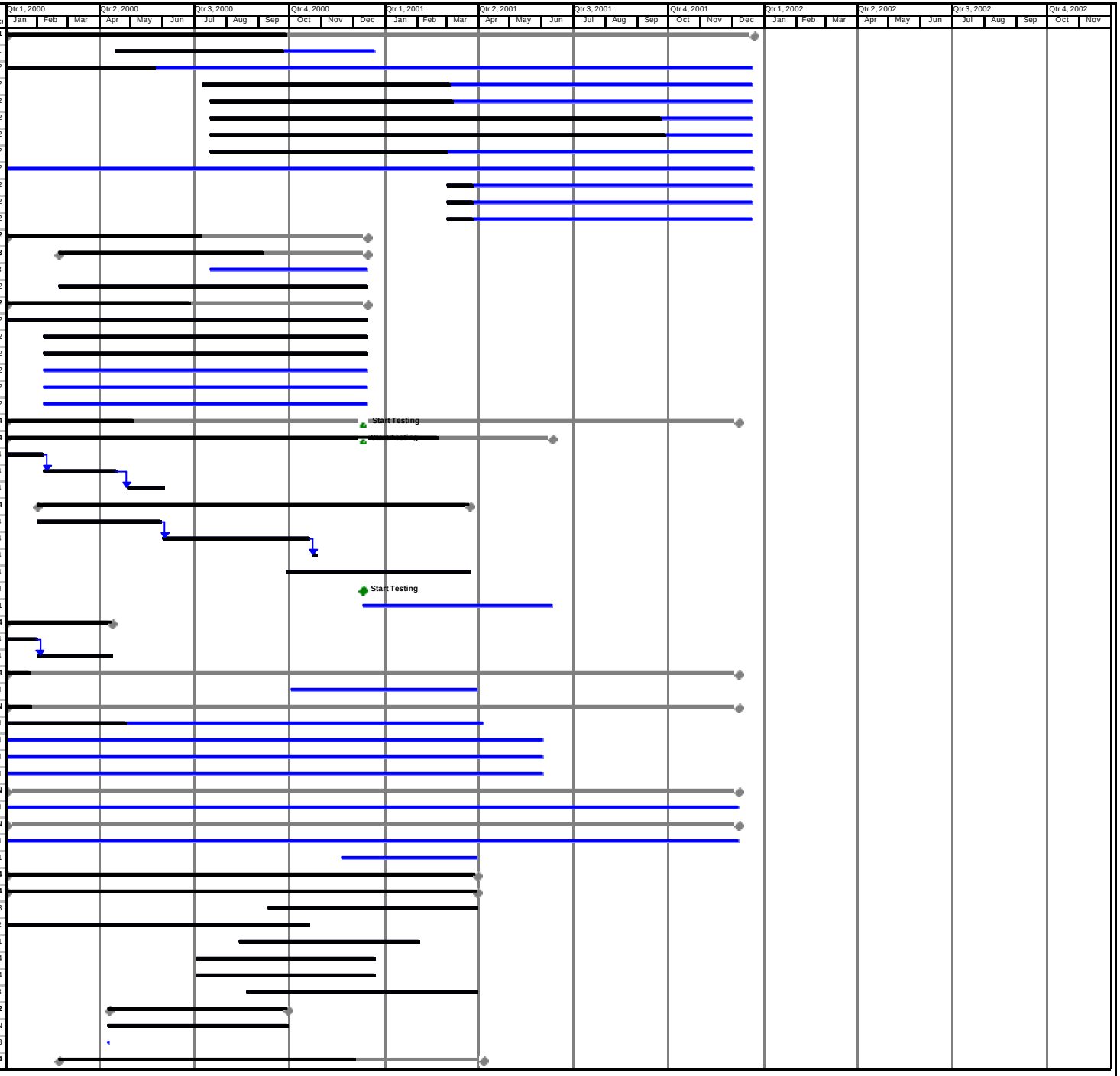
ID	Unique	Name	Modified	Relea	Splita	Resource
125	2036	**Multimedia codecs and protocols for conversational PS s**	No		No	WG SA4
126	2039	Codecs	No		No	WG SA4
127	2040	performance characterisation of codec	No		No	WG SA4
128	2038	protocols	No		No	WG SA4
129	1539	**Transparent End-to-End PS mobile streaming applicati**	No	Rel4	No	WG SA4
130	1652	**Emergency call enhancements**	No	NA	Yes	WG CN1
131	1653	**For IP & PS based calls**	No	Rel5	No	WG CN1
132	1314	Service Requirements for IP-based emergency calls	No		No	WG SA1
133	1315	SIP emergency calls and packet emergency calls signalling flows	No		No	WG CN1
134	1316	Stage 2 for emergency calls and packet emergency calls in general	No		No	WG SA2
135	1317	Distinction of emergency call types to different emergency services	No		No	WG CN1
136	1646	Stage 3 for emergency calls and packet emergency calls in general	No		No	WG CN1
137	1605	(Copy2) Ensure reliable QoS for PS domain and IM subsystem	No		No	WG SA2
138	1654	**For CS based calls**	No	Rel4	No	WG CN1
139	1320	Distinction in CS domain of emergency call types to different emerg	No		No	WG SA1
140	1999	Distinction in CS domain of emergency calls to different emergency t	No		No	WG CN1
141	2224	**Conformance Test Aspects - Emergency call enhancement**	No		No	WG T1
142	2225	Testing Stage 3 for emergency calls and packet emergency calls in	No		No	WG T1
143	2226	Testing CS based emergency calls	No		No	WG T1
144	1322	**Enable bearer independent CS architecture**	No	Rel4	No	WG SA2
145	1323	**Enable bearer-independent call control**	No		No	WG CN4
146	1516	Architecture and Stage 2 description on 23.002	No		No	WG SA2
147	1325	Standardisation of protocols (control & user planes) over Nb interfa	No		No	WG CN3
148	1326	Standardisation of protocols over reference points between MSC s	No		No	WG CN4
149	1616	Standardisation of detailed stage 2 description	No		No	WG CN4
150	1327	Bearer control between MSC server and MGW	No		No	WG CN4
151	1328	stage 3 - protocol issues	No		No	WG CN4
152	1329	stage 3 - parameter value issues	No		No	WG CN3
153	1331	**Lawful interception**	No		No	WG SA3
154	1332	**Bearer Independence and codec control issues**	No		No	WG SA4
155	1918	**Start Testing**	No		No	MLST
156	2052	**Conformance Test Aspects - Enable bearer independent C**	No		No	WG T1
157	1847	UE Conformance test spec., Bearer independent CS, Protocol	No		No	WG T1
158	1848	UE Conformance test spec., Bearer independent CS, TTCN	No		No	WG T1
159	1333	**DEL?: CS multimedia services**	No	Rel4	No	WG SA2
160	1338	**Stage 1**	No		No	WG SA1
161	1655	**Circuit-switched multimedia swap and fallback**	No		No	WG CN3
162	1335	Call control and signalling aspects	No		No	WG CN1
163	1336	Transport aspects	No		No	WG CN3
164	1337	inband signalling	No		No	WG CN3
165	1920	**Start Testing**	No		No	MLST
166	2056	**Conformance Test Aspects - CS multimedia services**	No		No	WG T1
167	1849	UE Conformance test spec. CS multimedia services, Protocol	No		No	WG T1
168	1850	UE Conformance test spec. CS multimedia services, TTCN	No		No	WG T1
169	1340	**Facsimile**	No	Rel4	No	WG SA1
170	1341	**Real Time Fax**	No		No	WG SA2
171	1808	Terminal capabilities, AT commands	No		No	WG T2
172	1343	Signalling aspects (e.g. ICM)	No		No	WG CN1
173	1648	Service provision	No		No	WG CN3
174	1345	Review whether service/stage 1 aspects need to be aligned	No		No	WG SA1
175	1346	Review whether architecture/stage 2 aspects need to be aligned	No		No	WG SA2
176	2041	**Start Testing**	No		No	MLST
177	1851	**Conformance Test Aspects - Facsimile**	No		No	WG T1
178	1517	**Global Text Telephony**	No	NA	Yes	WG SA2
179	2240	**Minimum solution**	No	Rel4	No	
180	1634	Stage 1	No		No	WG SA1
181	1519	Stage 2	No		No	WG SA2
182	2234	Specification of Cellular Text telephone Modem	No		No	WG SA4
183	2238	General description and C-code	No		No	WG SA4
184	2237	Minimum Performance requirements	No		No	WG SA4
185	2239	**Improvements of GTT**	No	Rel5	No	
186	1350	Activation and transport	No		No	WG SA2



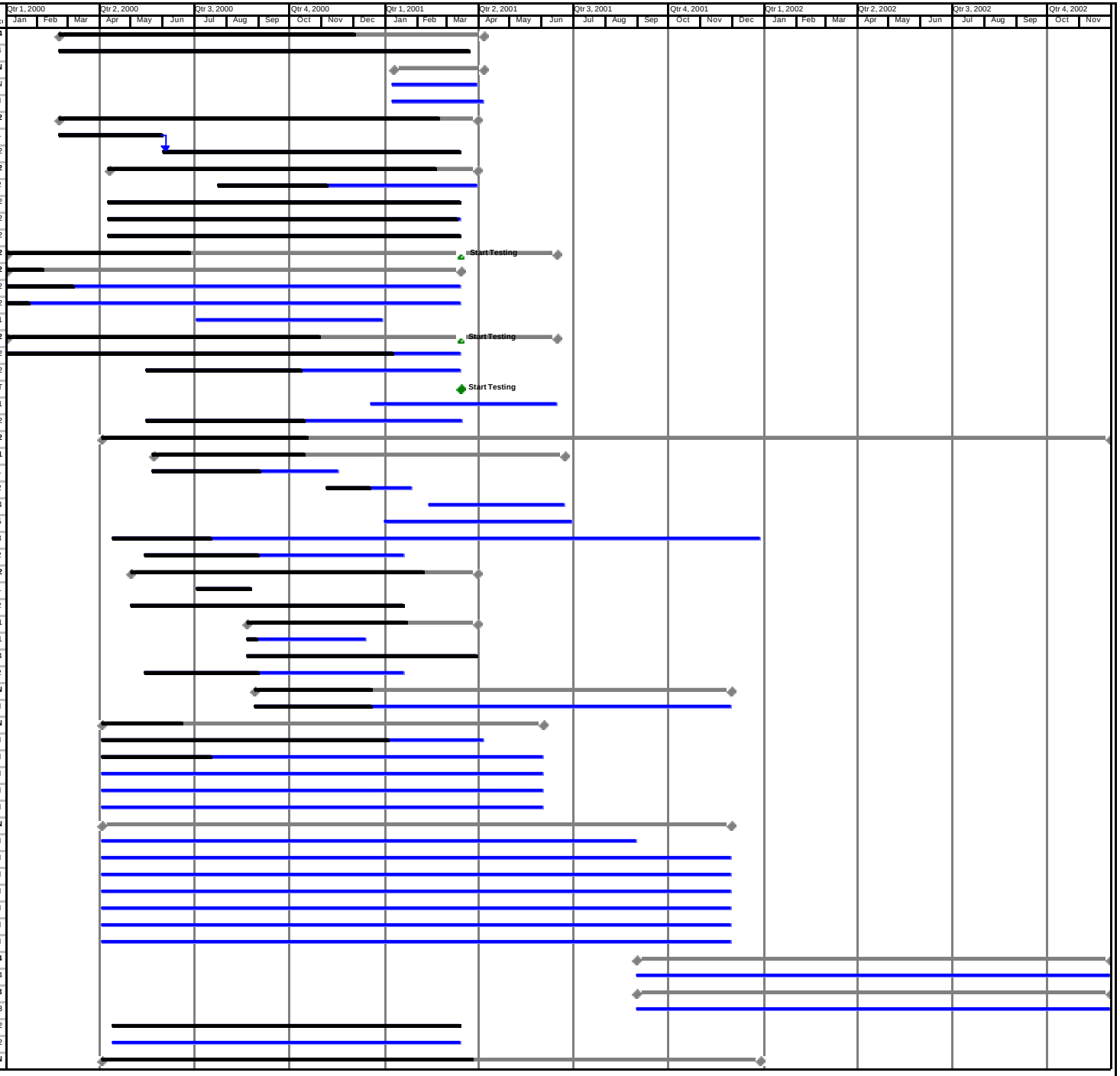
ID	Unique	Name	Modified	Relea	Splita	Resource
187	1520	SIP and H.324 Activation and transport	No		No	WG SA2
188	1521	Data Channel Activation and transport	No		No	WG SA2
189	1523	Selection of transport method	No		No	WG SA2
190	1524	Interworking	No		No	WG CN3
191	1809	Terminal Aspects	No		No	WG T2
192	1357	USIM Aspects	No		No	WG T3
193	2096	GTT using CS multimedia telephony	No		No	WG SA4
194	1915	Start Testing	No		No	MLST
195	1852	Conformance Test Aspects - Global Text telephony	No		No	WG T1
196	**1526**	**DEL?: Bearer Modification without pre-notification**	**No**	**Rel4**	**No**	**WG SA1**
197	2223	**Testing Support of Bearer modification without prenotifi**	No		No	WG T1
198	1635	**Stage 1**	No		No	WG SA1
199	**1359**	**Service Modification without pre-notification**	**No**		**No**	**WG CN3**
200	1361	Interworking function, TAF	No		No	WG CN3
201	1362	Out of band Transcoder Control	No		No	WG CN4
202	1363	AT commands	No		No	WG T2
203	1364	**deleted at SA#11: Bearer Modification because of radio c**	No		No	WG SA2
204	1921	**Start Testing**	No		No	MLST
205	**2057**	**Conformance Test Aspects**	**No**		**No**	**WG T1**
206	1853	UE Conformance test spec. Bearer modification, Protocol	No		No	WG T1
207	1857	UE Conformance test spec. Bearer modification, TTCN	No		No	WG T1
208	**1367**	**VHE enhancements**	**No**	**NA**	**Yes**	**WG SA1**
209	1368	**Detailed definition of the VHE user profile**	**No**	Rel5	No	WG SA2
210	1373	Stage 1	No		No	WG SA1
211	1404	Stage 2	No		No	WG SA2
212	2123	Enhanced UserProfileManagement	No		No	WG CN5
213	2104	**Extensions to existing (and possibly new) toolkits**	**No**	Rel5	Yes	WG SA2
214	2105	Stage 1	No		No	WG SA1
215	2106	Stage 2	No		No	WG SA2
216	2107	Stage 3 (wait for stage 2)	No		No	
217	2108	**Interaction between toolkits to enable IP multimedia servi**	**No**	Rel5	Yes	WG SA2
218	2109	Stage 1	No		No	WG SA1
219	2110	Stage 2	No		No	WG SA2
220	2111	Stage 3 (wait for stage 2)	No		No	
221	2112	**Transparent roaming for services**	**No**	Rel5	Yes	WG SA2
222	2113	Stage 1	No		No	WG SA1
223	2114	Stage 2	No		No	WG SA2
224	2115	Stage 3 (wait for stage 2)	No		No	
225	**1637**	**OSA enhancements**	**No**	**NA**	**Yes**	**WG SA1**
226	2120	**General Stage 2**	No		No	WG SA2
227	1424	**Interactions OSA - e-commerce**	**No**	Rel4	No	WG SA2
228	1425	Stage 1	No		No	WG SA1
229	1529	Stages 2 and 3	No		No	WG CN5
230	1429	**OSA APIs for MuMa CC**	**No**	Rel5	No	WG SA2
231	1430	Stage 1	No		No	WG SA1
232	1530	Stages 2 and 3	No		No	WG CN5
233	1419	**OSA security**	**No**	Rel5	No	WG SA3
234	2121	Stage 1	No		No	WG SA1
235	1420	Stage 2	No		No	WG SA2
236	1421	Stage 3	No		No	WG SA3
237	1422	security related SCF(s) definition	No		No	WG CN5
238	1423	(possibly) changes required from supporting platforms, e.g. gsmSC	No		No	WG SA3
239	1621	impact on terminal	No		No	WG T2
240	1433	**Retrieval of Terminal capabilities**	**No**	Rel5	No	WG SA2
241	1434	Stage 1	No		No	WG SA1
242	1436	Stages 2 and 3	No		No	WG CN5
243	2122	Provisionning of the terminal capabilities	No		No	WG T2
244	1786	**LCS - OSA interfaces (!)**	**No**		No	WG SA1
245	1787	Stage 1	No		No	WG SA1
246	2124	Stage 2	No		No	WG SA2
247	1788	Stage 3	No		No	WG CN5
248	2116	**(copy) Charging and OAM&P (!)**	No		No	WG SA5



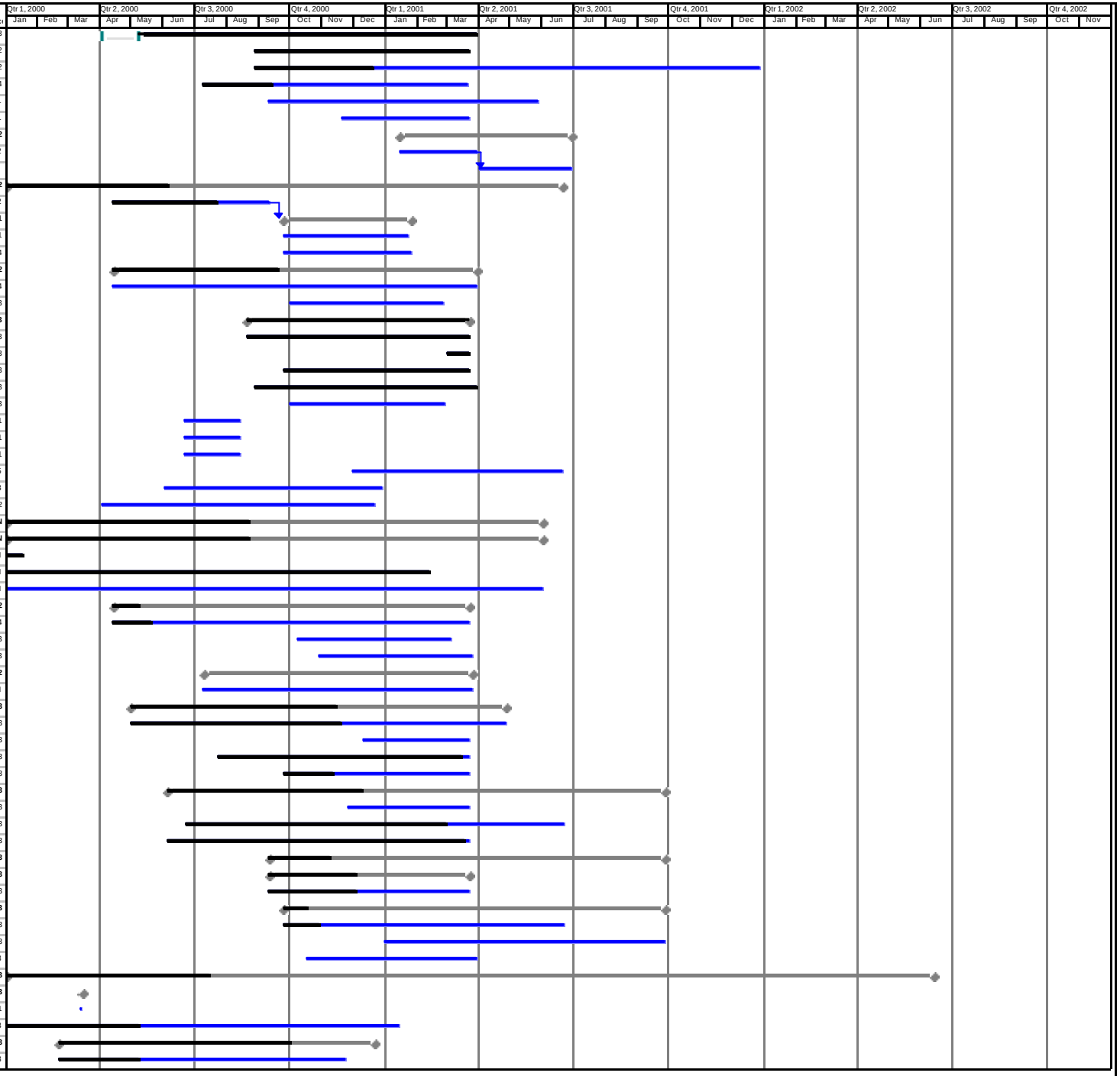
ID	Unique	Name	Modified	Relea	Splita	Resource
249	1638	**CAMEL phase 4**	No	Rel5	No	WG SA1
250	1461	**Service requirements**	No		No	WG SA1
251	2011	**Charging notification to the CSE**	No		No	WG CN2
252	2012	**Call Party Handling**	No		No	WG CN2
253	2013	**Mid call procedure for MO and MT calls**	No		No	WG CN2
254	2014	**Interactions with Optimal Routing**	No		No	WG CN2
255	2015	**Inclusion of flexible tone injection**	No		No	WG CN2
256	2016	**CSE control over MT SMS**	No		No	WG CN2
257	2017	**CAMEL applicability to media streams like VoIP**	No		No	WG CN2
258	2460	**Notification of GPRS mobility management to CSE**	No		No	WG CN2
259	2459	**Enhancement of dialled services**	No		No	WG CN2
260	2458	**Provision of location information of called subscriber**	No		No	WG CN2
261	1445	**MExE enhancements**	No	NA	No	WG T2
262	1447	**MExE Security**	No	Rel4	No	WG SA3
263	2045	Stage 3	No		No	WG SA3
264	1448	Terminal aspects	No		No	WG T2
265	1810	**MExE Rel4 Improvements and Investigations**	No	Rel4	No	WG T2
266	1812	3rd MExE classmark	No		No	WG T2
267	1814	FS on Secure download mechanism and capabilities to support SDF	No		No	WG T2
268	1815	FS on Support of MP3/MPEG4 content	No		No	WG T2
269	1816	FS on Support of (U)SAT/OSA/CAMEL interaction to provide advanc	No		No	WG T2
270	1813	FS on AT command support	No		No	WG T2
271	1811	Support of the Terminal parts of the VHE /User Profile	No		No	WG T2
272	1625	**Wideband Telephony Service - AMR (Master)**	No	Rel4	No	WG SA4
273	62	**Specification**	No		No	WG SA4
274	1459	Design Constraints	No		No	WG SA4
275	1460	General Description	No		No	WG SA4
276	1626	Feasibility Study	No		No	WG SA4
277	67	Codec issues	No		No	WG SA4
278	1627	Codec qualification	No		No	WG SA4
279	74	Codec selection tests	No		No	WG SA4
280	891	Codec selection	No		No	WG SA4
281	890	Other codec issues (verif., caracterisation)	No		No	WG SA4
282	1989	Start Testing	No		No	MLST
283	1855	Conformance tests (CRs to 34 series)	No		No	WG T1
284	76	Terminal Acoustic Characteristics	No		No	WG SA4
285	1628	Definition	No		No	WG SA4
286	1629	Test specification	No		No	WG SA4
287	889	**Implementation**	No		No	WG SA4
288	893	In UTRAN	No		No	TSG RAN
289	80	Support of AMR-WB in GERAN	No		No	GERAN
290	2265	GMSK and 8PSK WB FR / HR support - Channel coding in 45.0(	No		No	GERAN
291	2266	GMSK and 8PSK WB FR / HR support - Signalling for the A interf	No		No	GERAN
292	2267	GMSK and 8PSK WB FR / HR support - Signalling for Iu	No		No	GERAN
293	2268	GMSK and 8PSK WB FR / HR support - Link adaptation in 45.00	No		No	GERAN
294	2269	GERAN MS conformance test for AMR-WB	No		No	GERAN
295	2270	MS test	No		No	GERAN
296	2271	GERAN BTS conformance test for AMR-WB	No		No	GERAN
297	2272	BTS test	No		No	GERAN
298	1656	In CN, see notes	No		No	WG CN1
299	1541	**Transcoder-Free Operation**	No	Rel4	No	WG CN4
300	112	**OoBTC solution**	No		No	WG CN4
301	1512	implementation in UTRAN	No		No	/G RAN3
302	896	Impact on architecture, Principles and Terminology	No		No	WG SA2
303	1657	Codec Negotiation between UE and MSC	No		No	WG CN1
304	115	Codec Negotiation inter MSC	No		No	WG CN4
305	894	Bearer establishment inter MSC	No		No	WG CN4
306	1617	Prevention of user fraud	No		No	WG SA3
307	905	**Speech Transcoder: Location and Control at the UMTS C**	No		No	WG SA2
308	124	Transcoder at Edge	No		No	TSG CN
309	2205	IWF at the Edge (CN border)	No		No	WG CN3
310	1631	**Tandem Free aspects for 3G and between 2G and 3G s**	No	Rel4	No	WG SA4



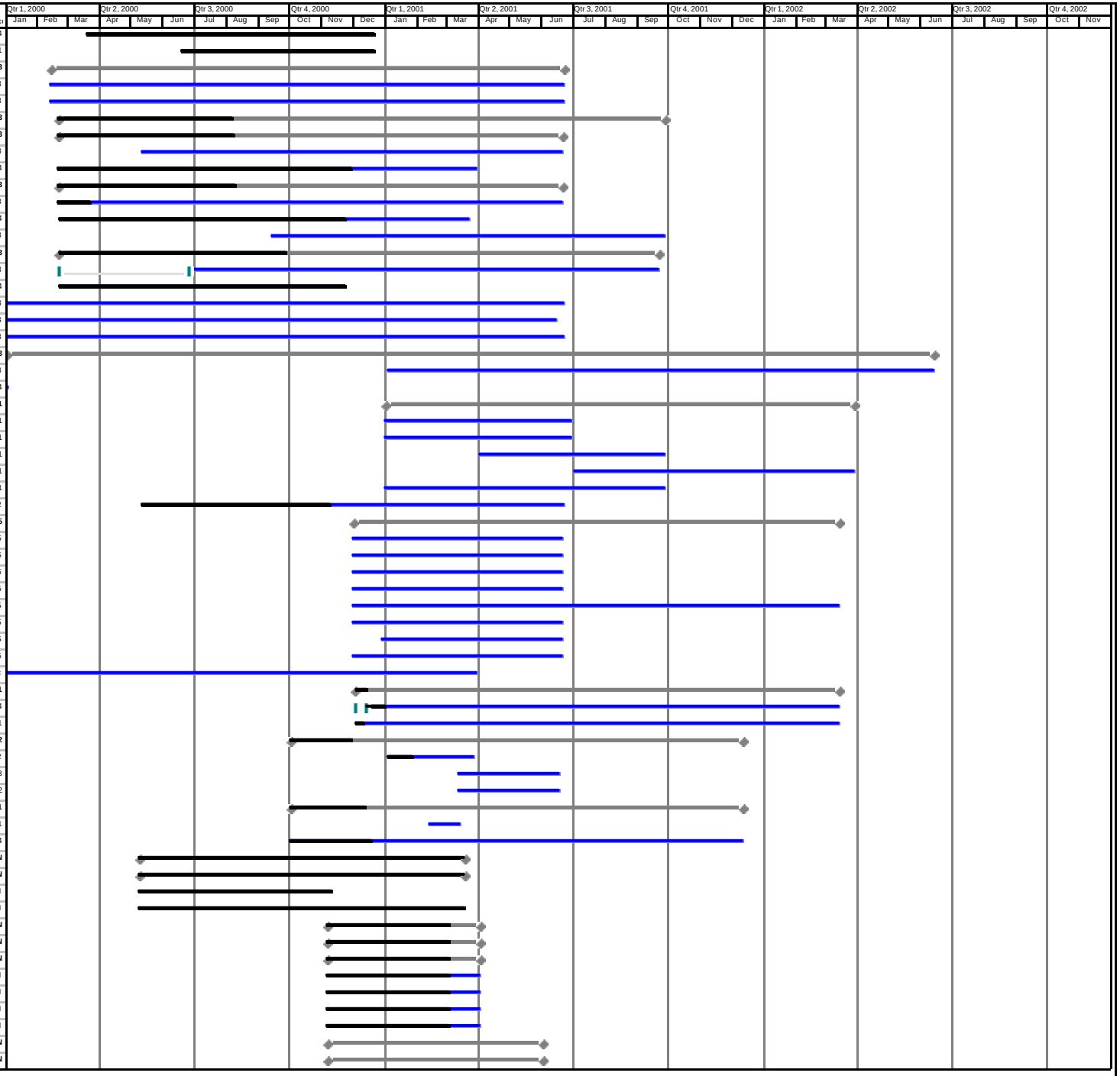
ID	Unique	Name	Modified	Relea	Splita	Resource
311	**1632**	**Tandem Free AMR**	**No**		**No**	**WG SA4**
312	130	Specification	No		No	WG SA4
313	**907**	Implementation	**No**		**No**	**TSG CN**
314	131	in CN	No		No	TSG CN
315	132	in GERAN	No		No	GERAN
316	**1818**	**Multimedia Messaging**	**No**	**Rel4**	**No**	**WG T2**
317	136	**Definition of service requirements**	No		No	WG SA1
318	1819	**Review of definition of service requirements**	No		No	WG T2
319	**1820**	**Technical Realisation**	**No**		**No**	**WG T2**
320	1532	Definition of reference Achitecture model (Martin to check)	No		No	WG SA2
321	1821	Review of definition of reference Achitecture model	No		No	WG T2
322	1822	"Fulfill Requirements of Stage 1"	No		No	WG T2
323	1823	Definition of MMS primitives in Stage 2	No		No	WG T2
324	**1826**	**Terminal interfaces**	**No**	**NA**	**Yes**	**WG T2**
325	**1827**	**AT commands enhancements**	**No**	**Rel4**	**No**	**WG T2**
326	1828	Specification of AT commands for new services	No		No	WG T2
327	917	Alternatives to AT commands (TBD)	No		No	WG T2
328	1858	UE Conformance test spec. AT command	No		No	WG T1
329	**1829**	**Wide Area Data Synchronisation**	**No**	**Rel4**	**No**	**WG T2**
330	1830	Continues evolution of Synchronisation protocol	No	Rel4	No	WG T2
331	1831	vObjects and Other Constructs for Use in Data Synchronisation	No	Rel5	No	WG T2
332	2251	Start Testing	No		No	MLST
333	1860	UE Conformance test spec. Wide area data sync	No		No	WG T1
334	1832	**Terminal local model**	No	Rel4	No	WG T2
335	**1536**	**Location Services enhancements**	**No**	**NA**	**Yes**	**WG SA2**
336	**1171**	**Event based and Periodic LCS**	**No**	**Rel5**	**No**	**WG SA1**
337	1641	Stage 1	No		No	WG SA1
338	1538	Stage 2 specification	No		No	WG SA2
339	1179	Impact on MAP	No		No	WG CN4
340	519	**(copy) Charging and OAM&P (!)**	No		No	WG SA5
341	521	**New security aspects of LCS (not identified)**	No		No	WG SA3
342	523	**LCS support in the CS domain**	No	Rel4	No	WG SA2
343	**525**	**LCS support in the PS domain**	**No**	**Rel4**	**No**	**WG SA2**
344	1642	Stage 1	No		No	WG SA1
345	1181	Stage 2	No		No	WG SA2
346	**1180**	Stage 3	**No**		**No**	**WG CN1**
347	526	Layer 3 LCS signaling UE (MS) -SGSN (UMTS PS and and GSM	No		No	WG CN1
348	527	GTP signaling for LCS	No		No	WG CN4
349	544	**LCS interoperation stage 2 aspects**	No		No	WG SA2
350	**2434**	**LCS interoperation stage 2 aspects to GERAN**	**No**		**No**	**GERAN**
351	2435	Co-ordinated development of GSM LCS Phase 2and UMTS LCS, S2 a	No		No	GERAN
352	**2436**	**Location Services for GERAN in A/Gb Mode**	**No**		**No**	**GERAN**
353	2437	GERAN LCS Stage 2 (first release)	No		No	GERAN
354	2438	Gb interface support for LCS	No		No	GERAN
355	2439	RLC/MAC protocol support for LCS	No		No	GERAN
356	2440	L3 protocol support for LCS	No		No	GERAN
357	2441	Stage 3 specifications	No		No	GERAN
358	**2442**	**Location Services for GERAN in Iu Mode**	**No**		**No**	**GERAN**
359	2443	GERAN LCS Stage 2 (second release)	No		No	GERAN
360	2444	Iu-ps interface support for LCS	No		No	GERAN
361	2445	Iu-cs interface support for LCS	No		No	GERAN
362	2446	Iur-g interface support for LCS	No		No	GERAN
363	2447	RRC protocol support for LCS	No		No	GERAN
364	2448	Additional impacts on Broadcast of LCS data on packet channels	No		No	GERAN
365	2449	Stage 3 specifications	No		No	GERAN
366	**2450**	**GERAN MS Conformance test for LCS**	**No**		**No**	**GERAN4**
367	2451	MS test	No		No	GERAN4
368	**2452**	**GERAN BTS Conformance test for LCS**	**No**		**No**	**GERAN3**
369	2453	BTS test	No		No	GERAN3
370	2229	**CBS interactions**	No	Rel4	No	WG T2
371	1916	**MExE interactions**	No	Rel4	No	WG T2
372	**1600**	**UE positioning**	**No**	**Rel4**	**No**	**SG RAN**



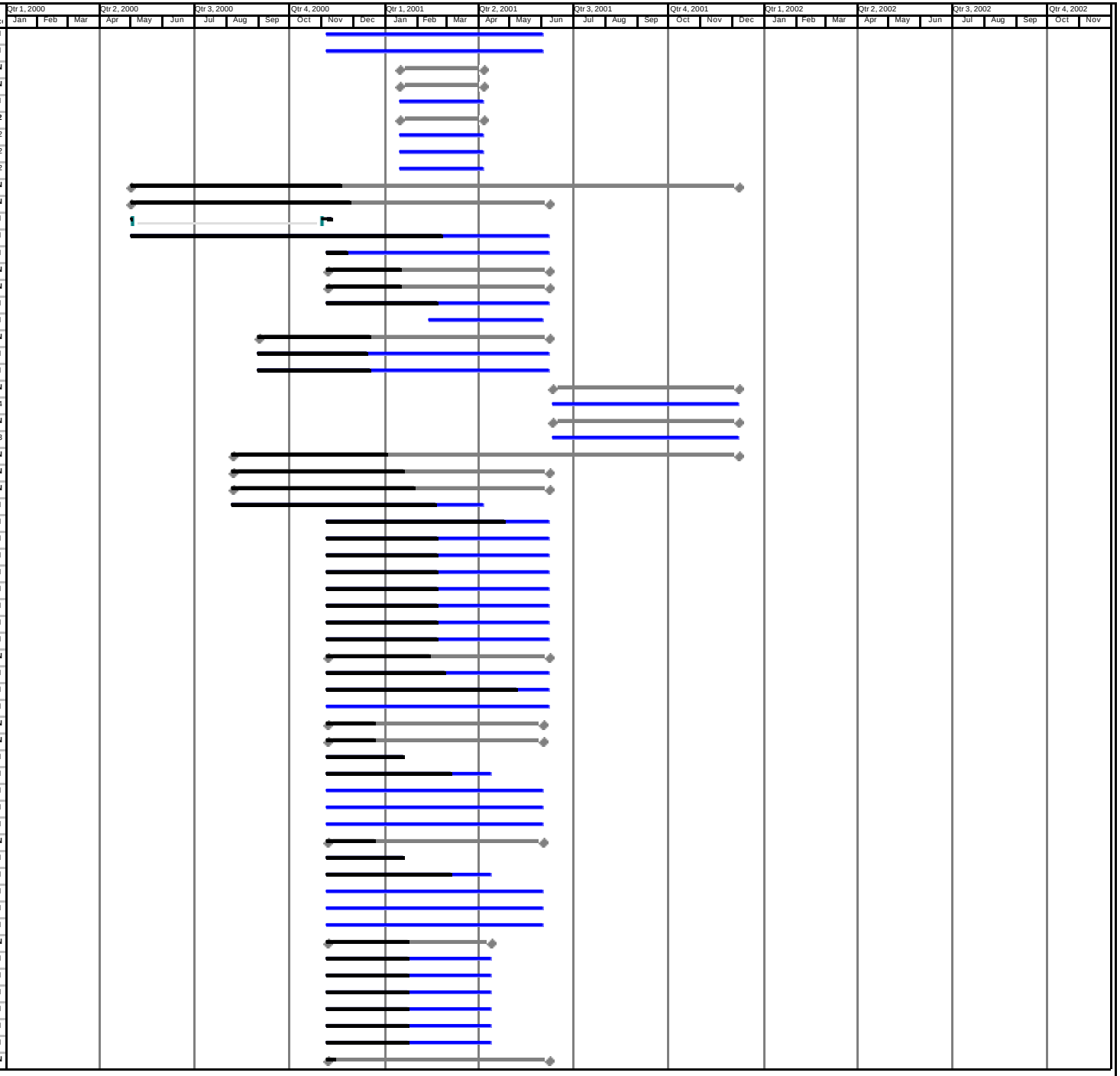
ID	Unique	Name	Modified	Relea	Splita	Resourc
373	1601	Iub/Iur interfaces for methods Rel 99	No	Rel4	No	/G RAN3
374	1602	UE positioning enhancements - IPDL for TDD	No	Rel4	No	/G RAN2
375	2457	UE positioning enhancements - other methods	No	Rel5	No	/G RAN2
376	1603	(Copy) UTRA repeater specification	No		No	/G RAN4
377	1796	**(Copy) LCS application interfaces (LCS-OSA)**	No		No	WG SA1
378	1183	**FS on LCS support in the IM CN subsystem**	No		No	WG SA1
379	**2125**	**Open LCS interfaces in UMTS and GERAN**	**No**	**Rel5**	**No**	**WG SA2**
380	2127	Stage 2	No		No	WG SA2
381	2126	Stage 3	No		No	
382	**1542**	**Ensure reliable QoS for PS domain**	**No**	**Rel4**	**No**	**WG SA2**
383	1543	**stage 2 for End-to-end QoS (re)negotiation and reservatio**	No		No	WG SA2
384	**1658**	**stage 3 for End-to-end QoS (re)negotiation and reservatic**	**No**		**No**	**WG CN1**
385	1545	GMM and SM aspects	No		No	WG CN1
386	1546	GTP aspects	No		No	WG CN4
387	**1547**	**Mapping of end to end QoS parameters on each interface**	**No**		**No**	**WG SA2**
388	1548	Impacts on N4 documents	No		No	WG CN4
389	1549	Impacts on N3 documents	No		No	WG CN3
390	**1681**	RAB Quality of Service (re)Negotiation over Iu	**No**		**No**	**G RAN3**
391	1991	RAB Quality of Service Negotiation over Iu	No		No	/G RAN3
392	2456	RAB Quality of Service Negotiation over Iu during relocation	No		No	/G RAN3
393	1992	RAB Quality of Service Re-Negotiation over Iu	No		No	/G RAN3
394	1685	**PS-domain handover for real-time services**	No		No	/G RAN3
395	1550	**Interactions between external mechanisms and UMTS me**	No		No	WG CN3
396	1551	**Possible new code points in QoS IE from external netwo**	No		No	WG CN1
397	1659	**Possible new code points in QoS IE for UMTS**	No		No	WG CN1
398	1660	**Mapping between the QoS UMTS point codes and the Q**	No		No	WG CN1
399	1552	**(Copy) Charging Management**	No		No	WG SA5
400	1624	**Security aspects**	No		No	WG SA3
401	1619	**Application aspects, multi-mode aspects**	No		No	WG T2
402	**1553**	**GERAN QoS Aspects - Handovers: maintenance of real-ti**	**No**		**No**	**GERAN**
403	**2306**	Handover for the PS domain	**No**		**No**	**GERAN**
404	2309	Stable RT handover report 25.936 including header removal	No		No	GERAN
405	2307	Update of stage 2	No		No	GERAN
406	2308	Update of relevant stage 3 specs	No		No	GERAN
407	**1554**	**Evolution of maximum SDU size**	**No**		**No**	**WG SA2**
408	1555	Impacts on CN protocols (e.g., GTP, MAP)	No		No	WG CN4
409	1556	Impact on interworking over GTP e.g. PPP	No		No	WG CN3
410	1611	**Admission control function triggers**	No	NA	No	/G RAN3
411	**1557**	**DEL?: QoS for CS services at HOs (inter-MSC and SR**	**No**	**Rel4**	**No**	**WG SA2**
412	1559	**GERAN aspects**	No		No	GERAN
413	**1560**	**UICC/(U)SIM enhancements and interworking**	**No**	**NA**	**Yes**	**WG T3**
414	1798	**FS on UICC/ME Performance Enhancements**	No		No	WG T3
415	1562	**DELETED: UICC/USIM database specification**	No	Rel4	No	WG T3
416	1799	**Common PCN Handset Specification (CPHS)**	No	Rel4	No	WG T3
417	1564	**report on SIM/USIM Interworking**	No		No	WG T3
418	**1800**	**(U)SIM toolkit enhancements**	**No**	**NA**	**Yes**	**WG T3**
419	1566	**Enhancements to (U)SIM toolkit secure messaging**	No	Rel4	No	WG T3
420	1801	**Protocol Standardisation of a SIM Toolkit Interpreter**	No	Rel4	No	WG T3
421	2034	**USAT local link**	No	Rel4	No	WG T3
422	**1802**	**UICC API**	**No**	**NA**	**Yes**	**WG T3**
423	**2029**	Java API	**No**	**Rel4**	**No**	**WG T3**
424	1803	Test specification	No		No	WG T3
425	**2031**	Multos API	**No**	**Rel5**	**No**	**WG T3**
426	2032	Specification	No		No	WG T3
427	2033	Test specification	No		No	WG T3
428	2100	**USIM Toolkit security**	No		No	WG SA3
429	**1571**	**Security enhancements**	**No**	**NA**	**No**	**WG SA3**
430	**2099**	**UE triggered authentication during connections**	**No**	**Rel4**	**No**	**WG SA3**
431	2254	Stage3	No		No	WG CN1
432	1587	**Evolution of GSM CS algorithms (e.g. A5/3 development**	No	Rel4	No	WG SA3
433	**1588**	**Evolution of GSM PS algorithms (e.g. GEA 2 deploymen**	**No**	**Rel4**	**No**	**WG SA3**
434	1589	Main aspects	No		No	WG SA3



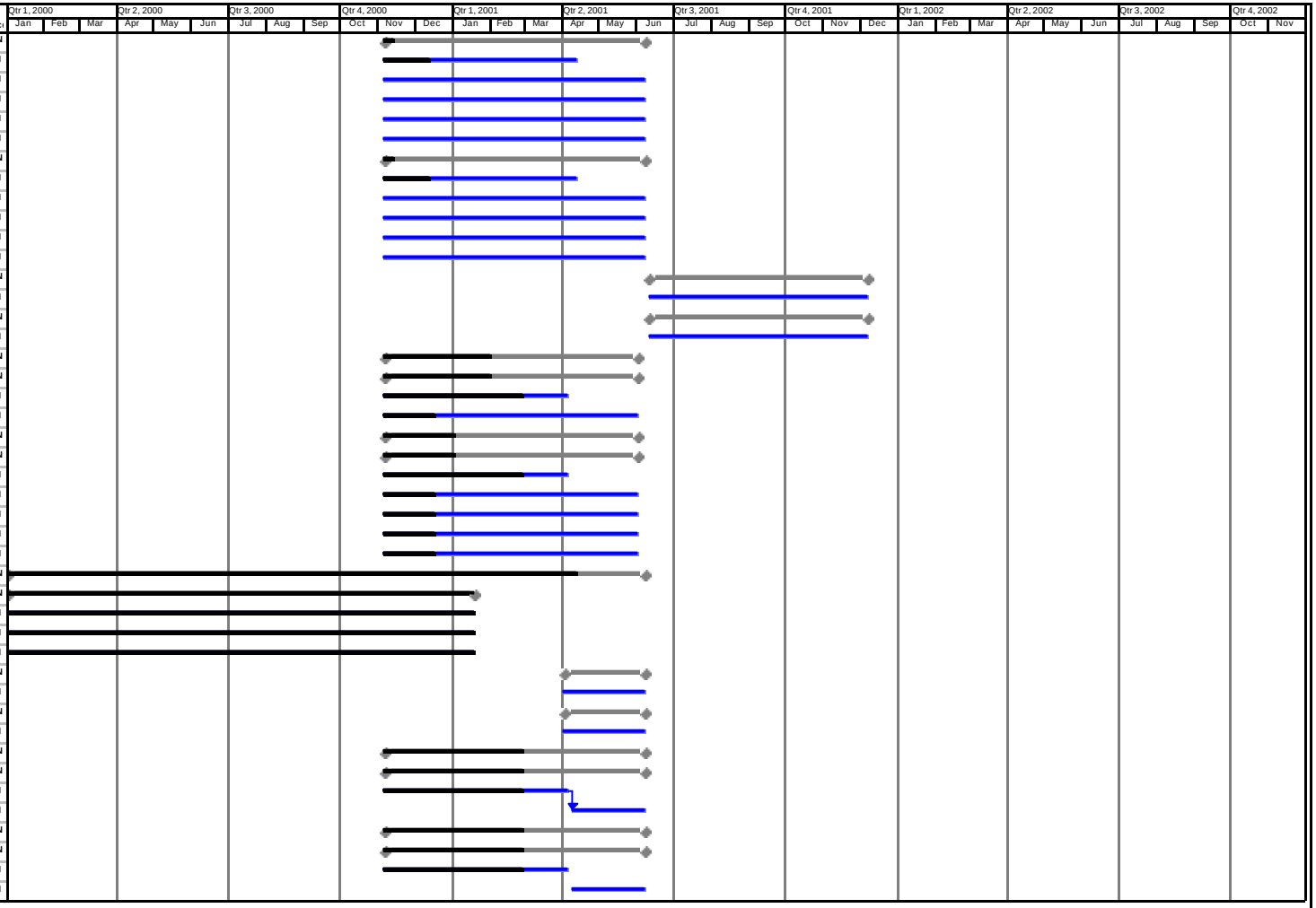
ID	Unique	Name	Modified	Relea	Splita	Resource
435	1618	Impact on GTP	No		No	WG CN4
436	1661	GEA capability indication in MS CM	No		No	WG CN1
437	**1572**	**Protection for user plane data**	**No**	**Rel5**	**Yes**	**WG SA3**
438	1573	Integrity protection in access network	No		No	WG SA3
439	1575	Network based end-to-end security	No		No	WG SA3
440	**1576**	**Network domain security**	**No**		**Yes**	**WG SA3**
441	**1577**	Control plane protection in core network (e.g., GTP, CAP, MAP/IP, pr	**No**	**Rel5**	**No**	**WG SA3**
442	1578	Main aspects	No		No	WG SA3
443	1579	Integration of GTP signalling security architecture	No		No	WG CN4
444	**1580**	User plane protection in core network (e.g., provided by IPsec)	**No**	**Rel5**	**No**	**WG SA3**
445	1581	Main aspects	No		No	WG SA3
446	1582	Integration of GTP signalling security architecture	No		No	WG CN4
447	2098	Study of network-based denial of service	No		No	WG SA3
448	**1583**	**MAP application layer security**	**No**	**Rel4**	**No**	**WG SA3**
449	1584	Main aspects	No		No	WG SA3
450	2025	Other stage 3 aspects	No		No	WG CN4
451	1586	**Key management for core network security**	No		No	WG SA3
452	1594	**Visibility and Configurability of security**	No	Rel4	No	WG SA3
453	1595	**FIGS**	No	Rel5	No	WG SA3
454	**2026**	**Enhanced HE control of security (including positive auth**	**No**	**Rel6**	**No**	**WG SA3**
455	2027	Stage 2	No		No	WG SA3
456	2028	FS on Network impacts	No		No	WG CN4
457	**1861**	**Miscelleneous UE Conformance Testing Activities**	**No**	**NA**	**Yes**	**WG T1**
458	1862	**Optimisation of Test Time, RF Aspects (FDD)**	No		No	WG T1
459	1863	**Optimisation of Test Time, RF Aspects (TDD)**	No		No	WG T1
460	1907	**Extensions to R99 Test cases**	No		No	WG T1
461	1908	**Review all other work items for impact on new or exiting 3**	No		No	WG T1
462	1909	**Additional signalling tests to cover VHE, OSA, MExE, W/**	No		No	WG T1
463	1365	**Support of Push Services**	No	Rel5	No	WG SA2
464	**1142**	**Charging and OAM&P (Master)**	**No**	**Rel4**	**No**	**WG SA5**
465	2089	**Principles, high level Requirements and Architecture (AR/I**	No		No	WG SA5
466	2088	**Performance Management (PM) (Master)**	No		No	WG SA5
467	2081	**Fault Management (FM) (Master)**	No		No	WG SA5
468	2082	**Configuration Management (CM) (Master)**	No		No	WG SA5
469	2242	**Charging Management for all-IP UMTS networks (Master)**	No		No	WG SA5
470	2083	**Charging Management (CH) (Master)**	No		No	WG SA5
471	2062	**Subscription Management**	No	Rel4	No	WG SA5
472	2071	**UTRAN Operations and Maintenance procedures**	No	Rel4	No	WG SA5
473	1993	**small Technical Enhancements and Improvements for**	No	Rel4	No	Generic
474	**2230**	**Advanced Speech Call Items enhancements_REL-4**	**No**	**Rel4**	**No**	**WG CN1**
475	2232	**Stage 2**	No		No	WG CN4
476	2231	**Stages 2 and 3 on A interface**	No		No	WG CN1
477	**2243**	**Intra Domain Connection of RAN Nodes to Multiple CN**	**No**	**Rel5**	**No**	**WG SA2**
478	2244	**Overall System Architecture**	No		No	WG SA2
479	2245	**RAN work**	No		No	/G RAN3
480	2246	**GERAN work**	No		No	GERAN2
481	**2247**	**CN work**	**No**		**No**	**WG CN1**
482	2248	N1 work	No		No	WG CN1
483	2249	N4 work	No		No	WG CN4
484	**2310**	**GERAN improvements 1**	**No**	**Rel4**	**No**	**GERAN**
485	**2311**	**Gb over IP (Ip-fication of Gb)**	**No**		**No**	**GERAN**
486	2312	Concept	No		No	GERAN
487	2313	Changes to 08.16, 08.18	No		No	GERAN
488	**2314**	**GERAN improvements 2**	**No**	**Rel4**	**No**	**GERAN**
489	**2315**	**Gb enhancements**	**No**		**No**	**GERAN**
490	**2316**	NACC (network Assisted Cell Change)	**No**		**No**	**GERAN**
491	2420	Concept	No		No	GERAN
492	2317	Changes in 03.64	No		No	GERAN
493	2318	Changes in 04.60	No		No	GERAN
494	2319	Changes in 44.008	No		No	GERAN
495	**2320**	**GERAN improvements 3**	**No**	**Rel5**	**No**	**GERAN**
496	**2321**	**Evolution of the transport for A**	**No**		**No**	**GERAN**



ID	Unique	Name	Modified	Relea	Splita	Resource
497	2322	Definition of a new A interface Transport Layer option based on the Iu	No		No	GERAN
498	2323	Adaptation of the Layer 3 BSSMAP procedures as required	No		No	GERAN
499	**2324**	**GERAN improvements 4**	**No**	**Rel4**	**No**	**GERAN**
500	**2325**	**Gb enhancements 2**	**No**		**No**	**GERAN**
501	2429	stage 2	No		No	GERAN
502	**2421**	Stage 3 (changes in 44.060)	**No**		**No**	**GERAN2**
503	2327	Definition of enhanced countdown procedure	No		No	GERAN2
504	2328	Definition of enhanced TBF release procedure	No		No	GERAN2
505	2329	Definition of USF=FREE type polling mechanism on PDCH	No		No	GERAN2
506	**2330**	**GERAN support for IP multimedia**	**No**	**Rel5**	**No**	**GERAN**
507	**2331**	**GERAN Header adaptation**	**No**		**No**	**GERAN**
508	2332	Definition of compression and removal modes for PDCP protocol	No		No	GERAN
509	2333	Conceptual description in stage 2	No		No	GERAN
510	2334	Necessary changes on stage 3 regarding header removal	No		No	GERAN
511	**2335**	**GERAN Radio access bearer design for IP multimedia**	**No**		**No**	**GERAN**
512	**2422**	MuM control signalling for conversational multimedia services	**No**		**No**	**GERAN**
513	2431	Identification of requirements	No		No	GERAN
514	2337	Necessary modifications due to SIP	No		No	GERAN
515	**2338**	**Physical layer multiplexing**	**No**		**No**	**GERAN**
516	2339	Stage 2	No		No	GERAN
517	2432	Stage 3	No		No	GERAN
518	**2341**	**GERAN MS Conformance test for support of IP multimed**	**No**		**No**	**GERAN**
519	2342	MS test	No		No	GERAN4
520	**2343**	**GERAN BTS Conformance test for support of IP multime**	**No**		**No**	**GERAN**
521	2344	BTS test	No		No	GERAN3
522	**2345**	**Alignment of 3G functional split and Iu**	**No**	**Rel5**	**No**	**GERAN**
523	**2346**	**GERAN user / control plane**	**No**		**No**	**GERAN**
524	**2347**	Alignment with UMTS bearer concept	**No**		**No**	**GERAN**
525	2423	Stage 2	No		No	GERAN
526	2348	Adoption of the UTRAN PDCP	No		No	GERAN
527	2349	Development of RLC / MAC	No		No	GERAN
528	2350	Development of GERAN RR	No		No	GERAN
529	2351	Ciphering and integrity protection	No		No	GERAN
530	2352	Logical and physical channel realization TCH, PDTCH, contro	No		No	GERAN
531	2353	Use of stealing bits	No		No	GERAN
532	2354	Fast access	No		No	GERAN
533	2355	Fast power control	No		No	GERAN
534	**2424**	Physical layer alignment with UMTS bearer concept	**No**		**No**	**GERAN**
535	2356	PDTCH/TCH in 45.003	No		No	GERAN
536	2357	Control channels in 45.003	No		No	GERAN
537	2358	Receiver performance in 45.005 for PDTCH/TCH and control c	No		No	GERAN
538	**2359**	**Iu rg interface**	**No**		**No**	**GERAN**
539	**2425**	Inter BSS interface	**No**		**No**	**GERAN**
540	2360	Identification of requirements	No		No	GERAN
541	2361	Stage 2	No		No	GERAN
542	2362	Adoption of relevant parts from Iur	No		No	GERAN
543	2363	Complementation with GERAN specifics	No		No	GERAN
544	2364	New stage 3	No		No	GERAN
545	**2426**	Inter BSS-RNS interface	**No**		**No**	**GERAN**
546	2365	Identification of requirements	No		No	GERAN
547	2366	Stage 2	No		No	GERAN
548	2367	Adoption of relevant parts from Iur	No		No	GERAN
549	2368	Complementation with GERAN specifics	No		No	GERAN
550	2369	New stage 3	No		No	GERAN
551	**2370**	**Voice over GERAN PS and CS concept**	**No**		**No**	**GERAN**
552	2371	Architecture for A, Iu cs and Iu ps	No		No	GERAN
553	2372	Transcoder position/operation	No		No	GERAN
554	2373	Handover	No		No	GERAN
555	2374	RTP payload	No		No	GERAN
556	2375	FPC	No		No	GERAN
557	2376	LA	No		No	GERAN
558	**2377**	**GERAN Narrowband speech realization**	**No**		**No**	**GERAN**



ID		Unique	Name	Modified	Relea	Splita	Resource
559		**2427**	**8-PSK NB HR**	**No**		**No**	**GERAN**
560		2378	Channel coding in 45.003	No		No	GERAN
561		2379	Signalling for A interface	No		No	GERAN
562		2380	Signalling for Iu	No		No	GERAN
563		2381	Link adaptation in 45.009	No		No	GERAN
564		2382	Receiver performance in 45.005	No		No	GERAN
565		**2428**	**8-PSK NB QR**	**No**		**No**	**GERAN**
566		2383	Channel coding in 45.003	No		No	GERAN
567		2384	Signalling for A interface	No		No	GERAN
568		2385	Signalling for Iu	No		No	GERAN
569		2386	Link adaptation in 45.009	No		No	GERAN
570		2387	Receiver performance in 45.005	No		No	GERAN
571		**2388**	**GERAN MS Conformance test for GERAN interface evoluti**	**No**		**No**	**GERAN**
572		2389	MS test	No		No	GERAN
573		**2390**	**GERAN MS Conformance test for GERAN interface evoluti**	**No**		**No**	**GERAN**
574		2391	BSS test	No		No	GERAN
575		**2392**	**GERAN enhancements for streaming services 1**	**No**	**Rel5**	**No**	**GERAN**
576		**2393**	**GERAN enhancements for streaming services 1**	**No**		**No**	**GERAN**
577		2394	Concept	No		No	GERAN
578		2395	RLC protocol enhancement	No		No	GERAN
579		**2396**	**GERAN enhancements for streaming services 2**	**No**	**Rel5**	**No**	**GERAN**
580		**2397**	**GERAN enhancements for streaming services 2**	**No**		**No**	**GERAN**
581		2398	Usage of ECSD	No		No	GERAN
582		2399	Stage 2	No		No	GERAN
583		2400	Stage 3	No		No	GERAN
584		2401	RLC PDU formats	No		No	GERAN
585		2402	MAC header	No		No	GERAN
586		**2403**	**700 MHz spectrum support**	**No**	**Rel4**	**No**	**GERAN**
587		**2404**	**GERAN support for the 700 MHz band**	**No**		**No**	**GERAN**
588		2405	Signalling support	No		No	GERAN
589		2406	Physical layer definitions	No		No	GERAN
590		2407	Receiver performance and RF budget	No		No	GERAN
591		**2408**	**GERAN MS Conformance test for 700 MHz band**	**No**		**No**	**GERAN**
592		2409	MS test	No		No	GERAN
593		**2410**	**GERAN BTS Conformance test for 700 MHz band**	**No**		**No**	**GERAN**
594		2411	BTS test	No		No	GERAN
595		**2412**	**GERAN/UTRAN interface evolution 1**	**No**	**Rel5**	**No**	**GERAN**
596		**2413**	**Evolution of Iu ps**	**No**		**No**	**GERAN**
597		2414	Identification of GERAN requirements on Iu ps	No		No	GERAN
598		2415	Update of specifications	No		No	GERAN
599		**2416**	**GERAN/UTRAN interface evolution 2**	**No**	**Rel5**	**No**	**GERAN**
600		**2417**	**Evolution of Iu cs**	**No**		**No**	**GERAN**
601		2418	Identification of GERAN requirements on Iu cs	No		No	GERAN
602		2419	Update of specifications	No		No	GERAN




Project: 3GPP_Work Plan
Date: Wed 14/03/01
Task
Task Progress
Critical Task
Critical Task Progress
Milestone
Summary
Rolled Up Task
Rolled Up Critical Task
Rolled Up Milestone
Rolled Up Progress
Split
External Tasks
Project Summary
Summary Progress