3GPP Work Plan – Cover page

Version 2004, March 11th

Introduction

This cover sheet contains 3 parts:
Part 1: Specific comments for this version
Part 2: General recurrent information
Part 3: History

The last version of the Work Plan and all the related documents (cover page, PDF views, etc) are available at:
ftp://ftp.3gpp.org/information/work_plan

For comments on a specific line, contact the MCC support for the WG or TSG responsible of the given task (to know who at MCC is responsible of a given WG or TSG, look at: http://www.3gpp.org/About_3GPP/structure.htm).
For comment on a Feature, contact the feature's responsible MCC support.
For general comments, contact the Work Plan manager at: alain.sultan@etsi.fr, mentioning in the e-mail subject "General comment on the Work Plan".

Specific comments for this version

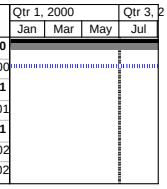
Main changes between version 16 January and 11 March 2004

Inputs have been received from the following WGs:
SA1, SA2, SA4, SA5, CN1, CN2, CN4, T2, T3, GERAN

More than 300 lines have been updated since previous version (see « last modif » field) !

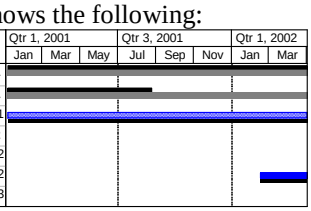
The following tasks containing "DELETE" in their title have been deleted:

ID	Unique_	Name	Release	Resou	Modifi	Acro	Level o	Start
80	32021	**IMS Phase 2**	**Rel-6**	**S1**	**No**	**IMS2**	**TSG**	**Mon 03/01/00**
108	13011	TO BE DELETED_Mm interface (CSCF to external IP multimedia network) -- NO	Rel-6	N1	Yes			Mon 03/01/00
121	1365	**Support of Push Services**	**Rel-6**	**S1**	**No**	**PUSH**	**TSG**	**Wed 03/01/01**
123	32000	**DELETE - MOVE TO REL5- TR on feasibility study**	Rel-6	S2	No			Wed 03/01/01
199	31006	**Speech Recognition and Speech Enabled Services**	**Rel-6**	**S1**	**No**	**SRSE**	**TSG**	**Mon 08/10/01**
202	11021	**TO BE DELETED AT CN#23-SES codec negotiation at SDP**	Rel-6	N1	No			Mon 23/09/02
273	31029	**Study of Feature Interactions Requirements (This should be deleted**	Rel-6	S1	Yes	FINT	TSG	Fri 08/11/02



All the items under Security need to be checked. The present Work Plan shows the following:

ID	Unique_I	Name	Release	Splitable	Resou	Modifi	Acron	Level of	Start
73	1571	**Security enhancements**	**Rel-6**	**No**	**S3**	**No**	**SEC1**	**TSG**	**Wed 03/01/01**
74	2026	**Enhanced HE control of security (includi**	**Rel-6**	**No**	**S3**	**No**			**Wed 03/01/01**
75	2027	Stage 2	Rel-6	No	S3	No			Wed 03/01/01
76	33006	Network domain security	**Rel-6**	**No**	**S3**	**No**	**SEC1**	**TSG**	**Mon 17/06/02**
77	33007	IP network layer security (NDS/IP)	Rel-6	No	S3	No	SEC1	WG	Mon 17/06/02
78	33017	**Network Domain Security; Authentication**	Rel-6	No	S3	No	SEC1	TSG	Fri 15/02/02
79	33019	**Key Management of group keys for Voice**	Rel-6	No	S3	No	SEC1	TSG	Fri 26/09/03



ID1571 (feature) should have disappeared, as the only BB under it (ID2026) should have been deleted (but the corresponding input to the Work Plan was never provided).
Also, in earlier version, ID33017 was a feature of its own but now it has been put under ID1571. It seems that ID1571 is a good home for ID33017 but there is no visibility of the corresponding decision of moving ID33017 under ID1571.

The history of ID1571 and related work items has to be clarified.

Detailed changes

The detailed changes are provided in the “notes” field of the modified WIs.

General recurrent information

This paragraph contains recurrent information provided to the reader not familiar with the 3GPP Work Plan.

General description

The Work Plan is a living document, aiming at providing co-operations between all the 3GPP TSGs and WGs to help them reaching common targets.
These targets are called "**Features**", and are new or substantially enhanced functionality which represents added value to the existing system. A feature should normally embody an improved service to the customer and / or increased revenue generation potential to the supplier. The features are divided into "**Building Blocks"**, a BB being a set of technical functionality which would generally be expected to reside in a single system element, i.e. a single physical or logical entity or a single protocol. The Building Blocks are divided into "**Work Tasks"**, a WT being by definition handled by a single Working Group. The output of a work task is the creation of one or more new Technical Specifications (or Reports) and / or Change Requests to existing TSs / TRs.
These definitions are extracted from SP-000109.

This tree structure is established to ease the monitoring of the 3GPP work progress for R00, and to make explicit the purpose of the work assigned to one WG in the global system.

A **Work item** is a generic term to refer to a *feature*, *building block* or *work task*, i.e. all the lines of the Work Plan are work items. A full description of the a work item can be found in the 3GPP Working Procedures, available at http://www.3gpp.org/About_3GPP/3gpp_wp.zip .

The Work Plan is provided in the form of a Gantt chart: the left part contains the names and attributes of the Work Items, the right part contains a calendar view reflecting the work progress (blue and grey lines apply to foreseen tasks, black lines for completed tasks).
The indentation of WI names reflects the hierarchical level in the tree structure (Features, Building Blocks, and Work Tasks).
A "Tracking Gantt" is used. This means that below each Gantt line (horizontal blue line in the right part of the document), there is a thin horizontal black line showing the previously foreseen start and end dates. This enables tracking the slipping of dates. This is reset after each plenary.

Attributes applicable to a WI

From the Work Plan perspective, a WI is fully characterised by the following set of attributes:

1. Unique ID
2. Name
3. Release (based on the completion date). It applies to non-splitable features. If the feature is splitable, it applies to each individual Building Block composing the feature, provided that the Building Blocks are non-splitable. It does not apply to Feasibility Studies, Testing nor Charging Activities.
4. Splitable: defines whether the WI has to be considered as a single block or if it can be realised onto different releases
5. Acronym
6. Resource name: defines the responsible WG or TSG
7. Modified (see next section)
8. Modified since last TSG (see next section)
9. Start
10. Finish
11. % completed
12. Impacted TS and TR
13. Approval Level: MCC<CHAIR<WG<TSG. Each level can delete the proposal from the levels below. Only TSG Approved Wis are officially approved. All the other Wis are proposals, more or less stable according to the approval level.
14. Last modif, containing the date of the last modification. Note: this field has been recently added. The value has been initialised to April, 1st.
15. Hyperlink (to the proposed/approved WI coversheet)
16. WI rapporteur name

17. WI rapporteur e-mail
18. MCC responsible: defines who in MCC is responsible in monitoring the overall Feature.
19. Notes (free field).

The fields Start, Finish and % completed are calculated for summary tasks.
For better readability, only some of these attributes are shown in the PDF views.

How the changes on the Work Plan are tracked?

The changes are tracked at two level: a global one, stressing out the overall changes of the Work Plan, and a more detailed one, making use of the "notes" field.

Global level

The global level is a text of some paragraphs listing the main changes. For readability reasons, the global level is not part of the MS Project Work Plan but is contained in this present Work Plan cover page.
The global level shall at least:

- Report creation and deletion of Features and Building Blocks. It is not requested to mention the creation and deletion of Work Tasks (but this can be done if judged relevant by the MCC responsible person).

The global level is updated before each set of plenary meetings.

Detailed level

The detailed level is a set of comments provided in the "notes" field text of each modified WI (a WI is identified by its Unique ID).
Even at the "detailed level", not all the modifications have to be mentioned: some fields are by nature subject to constant updates (e.g. "% completed"), so it would be a waste of time to keep track of these changes.
The fields subject to change tracking are the following ones:

- Name
- Release
- Splitable (defines whether the WI has to be considered as a single block or if it can be realised onto different releases)
- Acronym
- Resource name (defines the responsible WG or TSG)
- Finish date

The other ones -listed below- are not subject of change tracking. Change tracking on these ones is up to the MCC responsible person. These are:

- % completed
- Impacted TS and TR
- Level of Approval (MCC<CHAIR<WG<TSG).
- Hyperlink (to the proposed/approved WI coversheet)
- WI rapporteur name
- WI rapporteur e-mail
- MCC responsible: defines who in MCC is responsible in monitoring the overall Feature.
- Notes (free field).
- Start date

The detailed level is updated each time a line is modified or created. In addition, a new field called "last modif" has been created (initialised to April, 1st) to provide the date of the latest modification of the WI.

History

This section is reset after each plenary meeting.

Content of this package:

1) Master:

Work_Plan_3GPP_Rel6_040311_MSP98.mpp Work Plan in MS Project 98 format (contains all WI attributes and Gantt view)

Work_Plan_3GPP_Rel6_040311_MSP2000.mpp Work Plan in MS Project 2000 format (contains all WI attributes and Gantt view)

2) Cover page:

Work_plan_cover_040311.doc Cover page - contains explanations and informations on last changes

3) Work Plan in different formats, useful if you don't have MS Project:

Work_Plan_3GPP_Rel6_040311.xls Work Plan in Excel format (contains most of the WI attributes but not the Gantt chart)

ID		Unique_ID	Name	Release	Resou	Modifie	Acror	Level of	Start	Finish	% Compl	Impacted TSs and T	Hyperlink	WI rapporteur name	WI rapporteur e-mai	MCC resp	last modif	Notes
1		2044	**VERSION 2004 March 11th**	Rel		No			Mon 03/01/00	Mon 03/01/00	0%						Thu 11/10/01	
2		1462	**"CTRL + a" to display all the 3GPP fields**			No			Mon 03/01/00	Mon 03/01/00	0%						Thu 11/10/01	
3		2058	**Content of Rel-6 and after. Not frozen.**	Rel		No			Mon 03/01/00	Mon 03/01/00	0%						Thu 11/10/01	
4		0		Rel		No			Mon 03/01/00	Mon 03/01/00	0%						Fri 28/03/03	
5		2	**Evolutions of the transport in the UTRAN**	NA	RP	No	ETRA	TSG	Mon 03/03/03	Wed 31/12/03	0%		Work_Items	ncois Courau, Alcate	ois.courau@alcatel.fi	MCC_RAN	Wed 14/01/04	Generic feature
6		**1216**	**Improvements of Radio Interface**	**Rel-6**	**RP**	**No**	**RInIn**	**TSG**	**Mon 14/08/00**	**Tue 14/09/04**	**67%**		**Work_Items**				**Fri 10/10/03**	**particular end date**
7		1470	**Improvement of inter-frequency and inter-system measurement**	Rel-6	R1	No	RInIn	TSG	Mon 01/01/01	Fri 12/03/04	50%		Work_Items	Antti Toskala, Nokia	i.toskala@nokia.con	MCC_RAN	Wed 14/01/04	
8		24006	**Improving Receiver Performance Requirements for the FDD UE**	Rel-6	R4	No	RInIn	TSG	Fri 08/03/02	Fri 19/09/03	100%		Items_History	himon Moshavi, Inte	oshavi@INTEL.COM		Fri 10/10/03	
9		**24004**	**Base station classification**	**Rel-6**	**R4**	**No**	**RInIn**	**TSG**	**Mon 14/08/00**	**Wed 04/12/02**	**100%**						**Thu 13/02/03**	
10		1476	FDD Base station classification	Rel-6	R4	No	RInIn	TSG	Mon 14/08/00	Wed 04/12/02	100%		Items_History	A. Toskala, Nokia			Fri 25/04/03	
11		24007	**UMTS-850**	Rel-6	R4	No	RInIn	TSG	Fri 06/12/02	Fri 12/12/03	100%		Items_History	Don Zelmer, Cingula	elmer@cingular.con	MCC_RAN	Wed 14/01/04	
12		24009	**DS-CDMA introduction in the 800 MHz band**	Rel-6	R4	No	RInIn	TSG	Fri 14/03/03	Fri 12/12/03	100%		Items_History	amura, NTT DoCoMo	o.yrp.nttdocomo.co.j	MCC_RAN	Wed 14/01/04	
13		24010	**UMTS 1.7/2.1 GHz**	Rel-6	R4	No	RInIn	TSG	Fri 14/03/03	Fri 12/03/04	90%		Work_Items	si Numminen, Nokia	inen@NOKIA.COM	MCC_RAN	Wed 14/01/04	
14		**24013**	**Improved Receiver Performance Requirements for HSDPA**	**Rel-6**	**R4**	**No**	**RInIn**	**TSG**	**Mon 15/12/03**	**Tue 14/09/04**	**0%**		**Work_Items**	**i Numminen, Nokia**	**inen@NOKIA.COM**	**MCC_RAN**	**Wed 14/01/04**	**N#22 as RP-030732**
15		24014	Performance Requirements of Receive Diversity for HSDPA	Rel-6	R4	No	RInIn	TSG	Mon 15/12/03	Tue 14/09/04	0%	TS25.101	Work_Items	mura (NTT DoCoMo	o.yrp.nttdocomo.co.j	MCC_RAN	Wed 14/01/04	N#22 as RP-030731
16		**3**	**Feasibility Studies**	**Rel-6**	**RP**	**No**			**Mon 14/08/00**	**Tue 14/09/04**	**60%**						**Sun 07/12/03**	
17		1506	FS on Radio link performance enhancements	Rel-6	R1	No	RInIn	TSG	Mon 14/08/00	Fri 19/03/04	50%		Study_Items	kala, Nokia Network	i.toskala@nokia.con	MCC_RAN	Wed 14/01/04	
18		24001	FS on UTRA WideBand Distribution Systems	Rel-6	R4	No	RInIn	TSG	Mon 12/03/01	Fri 19/03/04	60%		Study_Items	sini, Tekmar Sistem	arasso@andrew.con	MCC_RAN	Wed 14/01/04	
19		21000	FS on Improvement of inter-frequency and inter-system measurements for 1.28 Mcps TDD	Rel-6	R1	No	RInIn	TSG	Fri 14/12/01	Fri 19/09/03	100%		Items_History	o Qiang, SAMSUNG	xqli@samsung.co.kr		Fri 10/10/03	
20		21003	FS for the analysis of OFDM for UTRAN enhancement	Rel-6	R1	No	RInIn	TSG	Mon 10/06/02	Mon 14/06/04	55%		Study_Items	ah Boumendil, Norte	@nortelnetworks.con	MCC_RAN	Wed 14/01/04	
21		21004	FS on Uplink Enhancements for Dedicated Transport Channels	Rel-6	R1	No	RInIn	TSG	Fri 06/09/02	Fri 12/03/04	65%		Study_Items	arri Ranta-aho, Nokia	anta-aho@nokia.con	MCC_RAN	Wed 14/01/04	
22		21005	FS on Analysis on Higher Chip Rates for UTRA TDD evolutions	Rel-6	R1	No	RInIn	TSG	Fri 06/09/02	Mon 14/06/04	75%		Study_Items	/ilkinson, IPWireless	ale@ipwireless.con	MCC_RAN	Wed 14/01/04	
23		24011	FS on Low Output Powers for general purpose FDD BSs	Rel-6	R3	No	RInIn	TSG	Fri 13/06/03	Fri 12/03/04	55%		Study_Items	a Burgos, Telefonica	burgos_a@tsm.es	MCC_RAN	Wed 14/01/04	
24		21007	FS on Uplink enhancements for UTRA TDD	Rel-6	R1	No	RInIn	TSG	Fri 06/06/03	Tue 14/09/04	5%		Study_Items	an Rudolf, Interdigita	olf@InterDigital.con	MCC_RAN	Wed 14/01/04	
25		24005	FS on UE antenna efficiency test methods performance requirements (2)	Rel-6	R4	No	RInIn	TSG	Fri 08/03/02	Fri 06/09/02	100%		Items_History	Alf Ahlström, Allgon			Fri 04/07/03	on request from WG
26		**2468**	**Multiple Input Multiple Output antennas (MIMO)**	**Rel-6**	**R1**	**No**	**MIMC**	**TSG**	**Fri 14/03/03**	**Fri 17/12/04**	**17%**		**Work_Items**	**vard Huang, Lucent**	**uang@lucent.com**	**MCC_RAN**	**Wed 14/01/04**	
27		21006	**Multiple Input Multiple Output antennas - Physical layer**	Rel-6	R1	No	MIMC	TSG	Fri 14/03/03	Tue 14/09/04	40%		Work_Items	ward Huang, Lucen	chuang@lucent.com	MCC_RAN	Wed 14/01/04	
28		22003	**Multiple Input Multiple Output antennas - Layer 2,3 aspects**	Rel-6	R2	No	MIMC	TSG	Fri 12/09/03	Tue 14/09/04	0%		Work_Items	ward Huang, Lucen	chuang@lucent.com	MCC_RAN	Wed 14/01/04	
29		23008	**Multiple Input Multiple Output antennas - Iub/Iur Protocol Aspects**	Rel-6	R3	No	MIMC	TSG	Fri 14/03/03	Tue 14/09/04	0%		Work_Items	ward Huang, Lucen	chuang@lucent.com	MCC_RAN	Wed 14/01/04	
30		24008	**Multiple Input Multiple Output antennas - RF Radio Transmission/Reception**	Rel-6	R4	No	MIMC	TSG	Fri 12/12/03	Fri 17/12/04	27%		Work_Items	lan Hung Ng, Lucen	ngm@lucent.com	MCC_RAN	Wed 14/01/04	
31		**9**	**RAN improvements**	**Rel-6**	**RP**	**No**	**RANi**	**TSG**	**Mon 25/03/02**	**Fri 16/12/05**	**50%**		**Work_Items**			**MCC_RAN**	**Wed 14/01/04**	**Generic feature**
32		**624**	**RAB support enhancement**	**Rel-6**	**R2**	**No**	**RANi**	**TSG**	**Fri 14/03/03**	**Fri 19/03/04**	**20%**		**Work_Items**	**Juha Mikola, Nokia**	**mikola@nokia.com**	**MCC_RAN**	**Wed 14/01/04**	**particular end date**
33		23009	Iu enhancements for IMS support in RAN	Rel-6	R3	No	RANi	TSG	Fri 14/03/03	Fri 19/03/04	20%		Work_Items	Phillipe Godin, Norte	@nortelnetworks.con	MCC_RAN	Wed 14/01/04	
34		23005	**Improvement of RRM across RNS and RNS/BSS**	Rel-6	R3	No	RANi	TSG	Mon 25/03/02	Fri 05/12/03	35%		Work_Items	Antti Toskala, Nokia	i.toskala@nokia.con		Fri 10/10/03	
35		20999	**Beamforming Enhancements**	Rel-6	R1	No	RANi	TSG	Fri 19/09/03	Fri 16/12/05	100%		Items_History	Jussi Kähtävä, Nokia	.kahtava@nokia.con	MCC_RAN	Wed 14/01/04	
36		**23012**	**Rel6 RRM optimization for Iur and Iub**	**Rel-6**	**R3**	**No**	**RANi**	**TSG**	**Fri 19/09/03**	**Fri 12/03/04**	**60%**		**Work_Items**	**Lieshout, Ericsson**	**ut@eln.ericsson.se**	**MCC_RAN**	**Wed 14/01/04**	
37		23014	Improved access to User Equipment (UE) measurement data for Controlling Radio Network Con	Rel-6	R3	No	RANi	TSG	Fri 19/09/03	Fri 12/03/04	60%	TS25.423	Work_Items	Jim Miller, Interdigita	iller@interdigital.con	MCC_RAN	Wed 14/01/04	
38		23010	**Remote Control of Electrical Tilting Antennas**	Rel-6	R3	No	RANi	TSG	Fri 14/03/03	Fri 12/03/04	30%		Work_Items	as Hauser, Vodafone	user@vodafone.con	MCC_RAN	Wed 14/01/04	
39		23011	**Network Assisted Cell Change (NACC) from UTRAN to GERAN - network-sic**	Rel-6	R3	No	RANi	TSG	Mon 09/09/02	Fri 12/03/04	17%		Work_Items	lcWilliams, Vodafone	.@gb.vodafone.co.ul	MCC_RAN	Wed 14/01/04	
40		23007	**FS of the improved access to UE measurement data for CRNC to support T**	Rel-6	R3	No	RANi	TSG	Fri 06/12/02	Thu 18/12/03	100%		Items_History	Jim Miller, Interdigita	iller@interdigital.con		Fri 10/10/03	
41		23006	**FS on the evolution of the UTRAN architecture**	Rel-6	R3	No	RANi	TSG	Mon 09/09/02	Fri 12/03/04	20%		Study_Items	onhee Hwang, Nokia	Toskala@nokia.con	MCC_RAN	Wed 14/01/04	
42		**32045**	**PS domain and IMS impacts for supporting IMS Emergency calls**	**Rel-6**	**S2**	**No**	**EMC**	**TSG**	**Mon 14/08/00**	**Fri 03/06/05**	**30%**		**SP-030124**	**Rainer Liebhart**			**Fri 28/03/03**	
43		1314	**Service Requirements for IP-based emergency calls**	Rel-6	S1	No			Mon 18/09/00	Fri 27/06/03	90%	22.976					Fri 04/07/03	
44		32046	**Stage 2**	Rel-6	S2	No		TSG	Wed 26/02/03	Tue 30/11/04	53%			kka Poikselka, Nokia			Fri 12/03/04	
45		**1653**	**Emergency Call Enhancements for IP& PS Based Calls – stage 3**	**Rel-6**	**N1**	**No**			**Mon 14/08/00**	**Fri 03/06/05**	**8%**		**NP-030488**	**e Monrad, Ericsson**	**d@eto.ericsson.se**		**Fri 12/03/04**	
46		1315	SIP emergency calls and packet emergency calls signalling flows	Rel-6	N1	No			Tue 17/10/00	Fri 03/06/05	16%	TS 24.228		tle Monrad, Ericssor	rad@eto.ericsson.se		Fri 12/03/04	
47		1646	Stage 3 for emergency calls and packet emergency calls in general	Rel-6	N1	No			Mon 14/08/00	Fri 03/06/05	0%	TS 24.229		tle Monrad, Ericssor	rad@eto.ericsson.se		Fri 12/03/04	
48		**32023**	**Location Services enhancements 2**	**Rel-6**	**S2**	**No**	**LCS2**	**TSG**	**Mon 28/08/00**	**Wed 30/06/04**	**63%**		**SP-030127**			**Sang-Ui**	**Fri 28/03/03**	
49		**32024**	**Improvement on Le interface**	**Rel-6**	**S2**	**No**		**TSG**	**Mon 17/06/02**	**Tue 23/12/03**	**74%**						**Fri 12/03/04**	

ID		Unique_ID	Name	Release	Resou	Modifie	Acror	Level of	Start	Finish	% Compl	Impacted TSs and T	Hyperlink	WI rapporteur name	WI rapporteur e-mai	MCC resp	last modif	Notes
50		32051	Stage 2	Rel-6	S2	No			Mon 17/06/02	Mon 22/09/03	100%						Fri 12/03/04	
51		32053	Stage 3 in OMA - it impacts Mobile Location Protocol (MLP)	Rel-6	OMA	No			Thu 10/07/03	Tue 23/12/03	0%						Wed 23/07/03	
52		**32001**	**Enhanced support for anonymity and user privacy**	**Rel-6**	**S2**	**No**		**TSG**	**Mon 08/07/02**	**Tue 23/12/03**	**68%**						**Fri 12/03/04**	
53		32047	Stage 2	Rel-6	S2	No			Mon 08/07/02	Fri 27/06/03	100%						Fri 12/03/04	
54		32054	Stage 3 in OMA (it impacts MLP and RLP)	Rel-6	OMA	No			Thu 10/07/03	Tue 23/12/03	0%						Wed 23/07/03	
55		**32025**	**Enhanced inter-GMLC interface**	**Rel-6**	**S2**	**No**		**TSG**	**Mon 24/06/02**	**Fri 12/09/03**	**76%**						**Thu 24/01/02**	
56		32048	Stage 2	Rel-6	S2	No			Mon 24/06/02	Fri 05/09/03	86%						Wed 23/07/03	
57		32055	Stage 3 in OMA (definition of RLP and PCP)	Rel-6	OMA	No			Mon 02/09/02	Fri 12/09/03	65%						Wed 23/07/03	
58		**32012**	**Location Services support for IMS public identities**	**Rel-6**	**S2**	**No**		**TSG**	**Mon 02/09/02**	**Fri 23/01/04**	**71%**						**Fri 12/03/04**	
59		32049	Stage 2	Rel-6	S2	No			Mon 24/02/03	Fri 23/01/04	100%						Fri 12/03/04	
60		32056	Stage 3 in OMA (impacts MLP, RLP and PCP)	Rel-6	OMA	No			Mon 02/09/02	Fri 19/12/03	51%						Wed 23/07/03	
61		**32026**	**New area event for location service triggering reports**	**Rel-6**	**S2**	**No**		**TSG**	**Mon 03/06/02**	**Fri 18/06/04**	**67%**						**Fri 12/03/04**	
62		32050	Stage 2	Rel-6	S2	No			Mon 03/06/02	Fri 27/06/03	100%						Fri 12/03/04	
63		14015	Stage 3 for UE-CN signalling	Rel-6	N4	No			Thu 09/10/03	Fri 18/06/04	57%						Fri 12/03/04	uirements of stage 2
64		32057	Stage 3 in OMA (impacts MLP, RLP and PCP)	Rel-6	OMA	No			Mon 14/07/03	Fri 19/12/03	0%						Wed 23/07/03	
65		**32029**	**FS on applicability of GALILEO for LCS**	**Rel-6**	**S2**	**No**			**Mon 08/07/02**	**Wed 30/06/04**	**54%**		SP-020541				**Fri 12/03/04**	
66		32058	TR on Stage 2 (No contributions received, No feedback from other groups since May)	Rel-6	S2	No			Mon 08/07/02	Wed 30/06/04	67%						Fri 12/03/04	
67		50095	GERAN review of the TR	Rel-6	GP	No			Mon 25/08/03	Fri 06/02/04	0%						Mon 01/12/03	
68		**20001**	**UE positioning**	**Rel-6**	**RP**	**No**	**LCS2**	**TSG**	**Mon 28/08/00**	**Mon 14/06/04**	**56%**					**MCC_RAN**	**Wed 14/01/04**	
69		2457	UE positioning enhancements - other methods	Rel-6	R2	No	LCS2	TSG	Mon 28/08/00	Fri 26/09/03	10%		_Work_Items	k Kottkamp, Siemens	kamp@siemens.com	MCC_RAN	Wed 14/01/04	ut particular end dat
70		2475	Open SMLC-SRNC Interface within the UTRAN to support UTRAN Rel4 positioning methods	Rel-6	R2	No	LCS-I	TSG	Mon 15/01/01	Fri 19/09/03	100%		Items_History	k Kottkamp, Siemens	kamp@siemens.com		Fri 10/10/03	
71		24012	A-GPS minimum performance specification	Rel-6	R4	No	LCS-I	TSG	Fri 06/06/03	Mon 14/06/04	30%		_Work_Items	&T Wireless Services	jlin.shen@attws.com	MCC_RAN	Wed 14/01/04	
72		22002	FS on Enhancements to OTDOA Positioning using advanced blanking methods	Rel-6	R2	No	LCS2	TSG	Mon 01/07/02	Fri 19/09/03	100%		Items_History	s Positioning System	@cursor-system.com		Fri 10/10/03	
73		**1571**	**Security enhancements**	**Rel-6**	**S3**	**No**	**SEC1**	**TSG**	**Wed 03/01/01**	**Fri 18/06/04**	**38%**		SP-000421	**Howard, Vodafone**	**ard@vodafone.com**	**Maurice**	**Mon 10/12/01**	**l rapporteur added**
74		**2026**	**Enhanced HE control of security (including positive authentication reportin**	**Rel-6**	**S3**	**No**			**Wed 03/01/01**	**Thu 25/09/03**	**23%**		SP-000421	**Howard, Vodafone**	**ard@vodafone.com**		**Mon 10/12/01**	**to be decided S3#**
75		2027	Stage 2	Rel-6	S3	No			Wed 03/01/01	Fri 14/06/02	0%						Mon 12/03/01	to be decided S3#1
76		**33006**	Network domain security	**Rel-6**	**S3**	**No**	**SEC1**	**TSG**	**Mon 17/06/02**	**Thu 25/09/03**	**50%**		SP-000513	**r M. Køien, Telenor**	**koien@telenor.com**		**Fri 08/11/02**	**l for Rel-6 at SA#17**
77		33007	IP network layer security (NDS/IP)	Rel-6	S3	No	SEC1	WG	Mon 17/06/02	Thu 25/09/03	50%	TS 33.210					Wed 15/10/03	mplete after SA3#2
78		33017	**Network Domain Security; Authentication Framework (NDS/AF)**	Rel-6	S3	No	SEC1	TSG	Fri 15/02/02	Fri 13/02/04	70%		SP-030108	mmi Viitanen, Nokia	viitanen@nokia.com		Sun 07/12/03	FS approved SA#1
79		33019	**Key Management of group keys for Voice Group Call Services**	Rel-6	S3	No	SEC(	TSG	Fri 26/09/03	Fri 18/06/04	5%	42.068, 43.068, 44.(	SP-030491	o Tietz, Vodafone D2	tietz@vodafone.com	Maurice	Wed 15/10/03	Approved TSG#21
80		**32021**	**IMS Phase 2**	**Rel-6**	**S1**	**No**	**IMS2**	**TSG**	**Mon 28/08/00**	**Wed 08/09/04**	**57%**					**Sang-Ui**	**Wed 15/01/03**	**l at SA16 by Lucen**
81		32027	**Stage 2 of IMS Phase 2**	Rel-6	S2	No			Mon 02/09/02	Fri 19/09/03	80%		SP-020544				Fri 12/03/04	
82		14014	**Enhancements to the Cx and Sh interfaces**	Rel-6	N4	No	IMS2	WG	Fri 06/06/03	Tue 31/08/04	53%		NP-030229				Fri 12/03/04	proval at CN#20.....
83		**31025**	**IMS Group Management**	**Rel-6**	**S1**	**No**	**IMSG**	**TSG**	**Thu 14/03/02**	**Wed 08/09/04**	**55%**		SP-020065	**Kalliokulju (Nokia)**	**iokulju@nokia.com**		**Fri 04/07/03**	
84		31026	Stage 1 - TS on IMS group management	Rel-6	S1	No		TSG	Thu 14/03/02	Mon 09/12/02	100%			ha Kalliokulju (Nokia	alliokulju@nokia.com		Sun 07/12/03	
85		32036	Stage 2	Rel-6	S2	No			Mon 26/05/03	Wed 31/12/03	100%						Fri 12/03/04	
86		11036	Stage 3 for IMS Group management (e.g. chat)		N1	No			Fri 13/12/02	Wed 08/09/04	20%		NP-030421	Keith Drage, Lucent	drage@lucent.com		Fri 12/03/04	
87		**11037**	**IMS Conferencing**	**Rel-6**	**N1**	**No**			**Mon 04/11/02**	**Wed 08/09/04**	**85%**						**Mon 13/01/03**	
88		32037	Stage 2	Rel-6	S2	No			Mon 04/11/02	Wed 31/12/03	100%						Fri 12/03/04	
89		32038	Stage 3		N1	No			Fri 13/12/02	Wed 08/09/04	75%		NP-030421	Keith Drage, Lucent	drage@lucent.com		Fri 12/03/04	
90		**31022**	**IMS Messaging**	**Rel-6**	**S1**	**No**	**IMSM**	**TSG**	**Thu 14/03/02**	**Wed 08/09/04**	**73%**		SP-020065	**Kalliokulju (Nokia)**	**iokulju@nokia.com**		**Thu 21/03/02**	
91		31023	TR on support of messaging in the IMS	Rel-6	S1	No	IMSM	TSG	Thu 14/03/02	Mon 09/12/02	100%			ha Kalliokulju (Nokia	alliokulju@nokia.com		Fri 14/03/03	
92		31034	Stage 1 22.340	Rel-6	S1	No	IMSM	TSG	Mon 11/11/02	Wed 11/12/02	100%	22.340		ha Kalliokulju (Nokia	alliokulju@nokia.com		Fri 04/07/03	
93		31033	CRs to 22.140 & 22.228	Rel-6	S1	No	IMSM	TSG	Thu 14/03/02	Mon 17/03/03	100%	22.140,22.228		ha Kalliokulju (Nokia	alliokulju@nokia.com		Sun 07/12/03	
94		32700	Stage 2	Rel-6	S2	No			Mon 04/11/02	Fri 23/04/04	90%						Fri 12/03/04	
95		11039	Stage 3 for IMS Messaging		N1	No			Fri 13/12/02	Wed 08/09/04	30%		NP-030421	Keith Drage, Lucent	drage@lucent.com		Fri 12/03/04	
96		**32005**	**IMS Local services**	**Rel-6**	**S2**	**No**			**Mon 01/01/01**	**Fri 04/06/04**	**46%**	**23.228**					**Thu 30/05/02**	
97		32019	Stage 2	Rel-6	S2	No			Mon 01/01/01	Fri 29/03/02	100%						Tue 09/04/02	
98		11035	Stage 3 for IMS Local services		N1	No			Fri 13/12/02	Fri 04/06/04	0%		NP-030421	Keith Drage, Lucent	drage@lucent.com		Fri 10/10/03	

ID		Unique_ID	Name	Release	Resou	Modifie	Acror	Level of	Start	Finish	% Compl	Impacted TSs and T	Hyperlink	WI rapporteur name	WI rapporteur e-mai	MCC resp	last modif	Notes
99		**11040**	**Additional SIP Capabilities support not covered by Rel-5**	**Rel-6**	**N1**	**No**			**Mon 11/11/02**	**Wed 08/09/04**	**65%**						**Mon 13/01/03**	
100	✓	32041	Stage 2 for add SIP cap (e.g. forking)	Rel-6	S2	No			Mon 11/11/02	Fri 20/02/04	100%						Fri 12/03/04	
101		32042	Stage 3 for Additional SIP Capabilities		N1	No			Fri 13/12/02	Wed 08/09/04	40%		NP-030421	Keith Drage, Lucent	drage@lucent.com		Fri 12/03/04	
102		11041	**Review additional SIP Capabilities against IMS**		N1	No			Fri 13/12/02	Fri 12/03/04	20%		NP-030421	Keith Drage, Lucent	drage@lucent.com		Fri 10/10/03	
103		**2048**	**Interworking between IMS and IP networks**	**Rel-6**	**N3**	**No**	**IMS-C**	**TSG**	**Mon 28/08/00**	**Wed 08/09/04**	**49%**	**23.821, 29.061, 29.1**	**NP-020091**	**Nigel Holland, BT**	**el.holland@bt.com**		**Mon 13/01/03**	**back to March 2003**
104	✓	13004	Interworking for 3GPP_SIP and IETF_SIP	Rel-6	N3	No			Mon 28/08/00	Fri 13/06/03	100%	New TR 29.962		nas Belling, Siemens			Mon 15/09/03	Complete @ CN#20
105		13005	Interworking for IPv6 to IPv4	Rel-6	N3	No			Mon 28/08/00	Fri 12/12/03	20%	29.163					Sun 07/12/03	
106		11044	Interworking for IPv6 to IPv4 (SIP / SDP aspects)	Rel-6	N1	No			Tue 11/05/04	Wed 08/09/04	0%						Fri 12/03/04	
107		11017	stage 3 of interworking with non-IMS IP networks	Rel-6	N1	No			Wed 14/03/01	Fri 04/06/04	40%						Fri 12/03/04	
108		2047	**Interworking between IMS and CS networks**	Rel-6	N3	No	IMS-C	TSG	Mon 28/08/00	Thu 18/03/04	78%	29.163, 29.061, 24.2	NP-030292	c Williams, Vodafone	s@vf.vodafone.co.uk		Sun 07/12/03	ve ITU dependancies
109		14001	**Mn interface (IM-MGW to MGCF) enhancements (CN4 Part)**	Rel-6	N4	No	IMS-C		Tue 07/08/01	Tue 31/08/04	64%						Fri 12/03/04	handled in Rel-6....
110		14012	**Mp (MRFC - MRFP) interface (CN4 Part)**	Rel-6	N4	No	IMS-C		Fri 13/12/02	Tue 31/08/04	0%						Fri 12/03/04	N#18 (NP-020601)..
111	✓	31036	**Study of subscriber and operators relationship in IMS and related ISIM requ**	Rel-6	S1	No			Fri 15/11/02	Thu 12/12/02	100%			ha Kalliokulju (Nokia	alliokulju@nokia.com		Fri 04/07/03	
112		33012	**Lawful Interception in the 3GPP Rel-6 architecture**	Rel-6	S3	No	SEC1	TSG	Mon 09/12/02	Thu 18/12/03	10%	33.106, 33.107, 33.1	SP-030106	Berthold Wilhelm	ilhelm@REGTP.DE		Thu 27/03/03	
113	✓	31042	**IMS Subscription and access scenarios**	Rel-6	S1	No			Mon 16/12/02	Fri 13/06/03	100%	22.800					Fri 12/03/04	
114		32063	**3GPP Enablers for services like Push to Talk over Cellular (PoC)**	Rel-6	S2	No			Mon 08/09/03	Wed 16/06/04	55%	23.9xx	SP-030384	am Sultana, Ericssor			Fri 12/03/04	
115		32062	**Interworking aspects and migration scenarios for IPv4 based IMS Imple**	Rel-6	S2	No			Mon 08/09/03	Fri 25/06/04	55%		SP-030385	der Milinski, Siemens			Fri 12/03/04	
116		**11032**	**Interoperability and Commonality between IMS using different "IP-conn**	**Rel-6**	**S2**	**No**	**IMSC**	**TSG**	**Mon 16/09/02**	**Fri 12/12/03**	**99%**					**Sang-Ui**	**Fri 04/07/03**	
117		32028	**Stage 2 for Interoperability (no contributions assumed that no more will be**	Rel-6	S2	No			Mon 16/09/02	Tue 30/09/03	100%		SP-020543	alazs Beternyi, Nokia			Fri 12/03/04	
118		32061	**Stage 2 for commonality**	Rel-6	S2	No			Mon 16/09/02	Fri 19/09/03	100%		SP-020543	alazs Beternyi, Nokia			Fri 12/03/04	
119		11033	**Stage 3**	Rel-6	N1	No			Mon 14/10/02	Fri 12/12/03	100%		NP-020572	Keith Drage, Lucent	drage@lucent.com		Fri 12/03/04	
120		**1365**	**Support of Push Services**	**Rel-6**	**S1**	**No**	**PUSH**	**TSG**	**Wed 03/01/01**	**Fri 27/02/04**	**98%**		**SP-000669**	**ada, NTT Comware**		**Sang-Ui**	**Thu 28/02/02**	**ial support of Push**
121	✓	31004	**Stage 1**	Rel-6	S1	No			Wed 03/01/01	Fri 14/06/02	100%						Fri 04/07/03	
122		32701	**TR 23.976 on Push Architecture**	Rel-6	S2	No			Mon 11/11/02	Fri 27/02/04	95%		SP-030126	Nick Alfano, RIM			Fri 12/03/04	
123		**42009**	**Multimedia Messaging (MMS) enhancements**	**Rel-6**	**T2**	**No**	**MMS**	**TSG**	**Thu 15/08/02**	**Mon 12/09/05**	**47%**		**TP-030175**	**f Laumen, Siemens**	**@SAL.SIEMENS.DE**	**Friedhelm**	**Fri 12/03/04**	
124	✓	**42010**	**Definition of service requirements**	**Rel-6**	**S1**	**No**	**MMS**		**Fri 15/11/02**	**Fri 19/12/03**	**100%**	**22.140**					**Fri 12/03/04**	
125	✓	31031	Definition of service requirements charging	Rel-6	S1	No			Fri 15/11/02	Fri 19/12/03	100%	22.140		ef Laumen, Siemens	@SAL.SIEMENS.DE		Fri 12/03/04	
126		42011	**Technical realization**	Rel-6	T2	No		TSG	Fri 06/09/02	Mon 04/10/04	55%	23.140		ef Laumen, Siemens	@SAL.SIEMENS.DE	Friedhelm	Fri 12/03/04	
127		42012	**OMA dependencies**	Rel-6	T2	No		n/a	Fri 15/08/03	Mon 12/09/05	15%					Friedhelm	Fri 12/03/04	
128		42013	**MMS formats and codecs**	Rel-6	S4	No	MMS		Thu 15/08/02	Thu 16/09/04	60%	26.140		rto Castagno (Nokia	castagno@nokia.com	Paolo	Fri 12/03/04	
129		42014	**Check - Handling of private addressing schemes in MMS**	Rel-6	T2	No		TSG	Wed 10/12/03	Fri 04/06/04	20%	23.140	TP-030299	nias Röbke, T-Mobile	Roebke@t-mobile.d	Friedhelm	Fri 12/03/04	
130		42015	**FS Multiple MMS Relay/Server Architecture**	Rel-6	T2	No		TSG	Wed 10/12/03	Fri 04/06/04	5%	new TR	TP-030301	e, Telefónica Móvile	gorospe_j@tsm.es	Friedhelm	Fri 12/03/04	
131	✓	**42005**	**Rel-6 MExE enhancements**	**Rel-6**	**T2**	**No**	**MEXE**	**TSG**	**Fri 08/03/02**	**Fri 06/06/03**	**100%**					**Friedhelm**	**Thu 21/03/02**	
132		42006	**MExE Rel-6 Improvements and Investigations**	Rel-6	T2	No	MEXE	TSG	Fri 08/03/02	Wed 12/03/03	100%	22.057, 23.057	TP-020017	ars Brenk (TTPCom)	m@HOTMAIL.COM		Thu 27/03/03	
133		42007	**MExE Run-Time Independent Framework Feasibility Study**	Rel-6	T2	No	MEXE	TSG	Fri 08/03/02	Fri 06/06/03	100%	22.857	TP-020086	Aaron Cohen (Intel)	n.Cohen@intel.com		Mon 13/01/03	
134		2062	**Subscription Management**	Rel-6	S5	No	SuM	TSG	Fri 20/09/02	Fri 18/06/04	75%	32.140/1, 32.171/2	SP-020448	3A (T-Mobile Austria	van.aba@t-mobile.a	Adrian	Fri 12/03/04	
135		**2499**	**Support of Presence Capability**	**Rel-6**	**S1**	**No**	**PRES**	**TSG**	**Mon 19/03/01**	**Thu 16/09/04**	**72%**		**SP-010064**	**Cataldo, Motorola**		**Michael**	**Thu 28/02/02**	**urget completion da**
136	✓	2501	**Stage 1**	Rel-6	S1	No			Mon 19/03/01	Fri 18/07/03	100%						Fri 12/03/04	
137		2502	**Stage 2**	Rel-6	S2	No		TSG	Wed 12/09/01	Fri 20/09/02	100%		SP-010517				Fri 12/03/04	
138		2503	**Stage 3**	Rel-6	N1	No			Mon 01/04/02	Wed 08/09/04	80%		NP-030302	Keith Drage, Lucent	drage@lucent.com		Fri 12/03/04	
139		34025	**Media Codecs and Formats for IMS Messaging and Presence**	Rel-6	S4	No	PRES	TSG	Thu 12/06/03	Thu 16/09/04	10%	TS 26.141	SP-030212	Harri Honko (Nokia)	ri.honko@nokia.com	Paolo	Fri 12/03/04	L022 IMS Messaging
140		2504	**Security issues**	Rel-6	S3	No			Mon 26/08/02	Thu 12/12/02	20%		SP-020514				Fri 08/11/02	ing e-mail discussio
141		2505	**USIM issues**	Rel-6	T3	No			Mon 04/03/02	Thu 20/06/02	0%						Fri 30/03/01	
142		**50056**	**Enhanced A/Gb feasibility study**	**Rel-6**	**GP**	**No**	**AGbE**	**TSG**	**Fri 30/08/02**	**Fri 08/11/02**	**75%**		**GP-022565**	**. Carrizo, Vodafone**	**o@vodafone.co.uk**	**Paolo**	**Thu 27/03/03**	**Closed**
143		**50057**	**Feasibility study on A/Gb enhancements**	**Rel-6**	**G2**	**No**	**AGbE**	**TSG**	**Fri 30/08/02**	**Fri 08/11/02**	**75%**						**Thu 27/03/03**	
144	✓	50080	Requirements for the support of conversational services	Rel-6	GP	No			Fri 30/08/02	Fri 08/11/02	100%						Thu 13/02/03	
145	✓	50084	Identification of the different building blocks for the provision of conversational services on the e	Rel-6	GP	No			Fri 30/08/02	Fri 08/11/02	100%						Thu 13/02/03	
146	✓	50093	Outline of impact and feasibility of these building blocks and their different solutions	Rel-6	GP	No			Fri 30/08/02	Fri 08/11/02	100%						Thu 13/02/03	
147		52081	Identification of the different building blocks for the provision of conversational services on the e	Rel-6	G2	No			Fri 30/08/02	Fri 08/11/02	0%						Thu 26/09/02	

ID		Unique_ID	Name	Release	Resou	Modifie	Acror	Level of	Start	Finish	% Compl	Impacted TSs and T	Hyperlink	WI rapporteur name	WI rapporteur e-mai	MCC resp	last modif	Notes
148		52082	Outline of impact and feasibility of these building blocks and their different solutions	Rel-6	G2	No			Fri 30/08/02	Fri 08/11/02	0%						Thu 26/09/02	
149		50081	Impact on 3GPP architecture and requirement to co-ordinatge with other TSGs (CN, SA)	Rel-6	GP	No			Fri 30/08/02	Fri 08/11/02	100%						Thu 13/02/03	
150		50082	Standardisation effort	Rel-6	GP	No			Fri 30/08/02	Fri 08/11/02	100%						Thu 13/02/03	
151		50083	Dependency to other features	Rel-6	GP	No			Fri 30/08/02	Fri 08/11/02	100%						Thu 13/02/03	
152		**50063**	**Flexible Layer One for GERAN**	**Rel-6**	**GP**	**No**	**FLOC**	**TSG**	**Mon 03/01/00**	**Fri 25/06/04**	**86%**		GP-021018	**Benoist Sébire**	**.sebire@nokia.com**	**Paolo**	**Tue 16/09/03**	**son, Siemens, Telia**
153		**50064**	**Realisation of a Flexible Layer One**	**Rel-6**	**GP**	**No**	**FLOC**		**Mon 03/01/00**	**Fri 23/04/04**	**91%**		GP-021019	**Benoist Sébire**	**.sebire@nokia.com**		**Fri 12/03/04**	**Started**
154		50065	Technical Report	Rel-6	GP	No			Fri 19/04/02	Fri 06/02/04	100%						Fri 12/03/04	
155		51002	Architecture in 45.001 and 43.051	Rel-6	G1	No			Fri 19/04/02	Fri 23/04/04	90%						Fri 12/03/04	
156		51003	Multiplexing in 45.002	Rel-6	G1	No			Fri 19/04/02	Fri 23/04/04	90%						Fri 12/03/04	
157		51004	Channel Coding in 45.003	Rel-6	G1	No			Fri 19/04/02	Fri 23/04/04	90%						Fri 12/03/04	
158		51005	Performance Requirements in 45.005	Rel-6	G1	No			Mon 03/01/00	Fri 23/04/04	90%						Fri 12/03/04	
159		51006	Radio subsystem link control in 45.008	Rel-6	G1	No			Fri 19/04/02	Fri 23/04/04	90%						Fri 12/03/04	
160		52071	Requirements in 44.004	Rel-6	G2	No			Fri 19/04/02	Fri 23/04/04	90%						Fri 12/03/04	
161		**52072**	**Signalling and protocol support for a Flexible Layer One**	**Rel-6**	**G2**	**No**	**FLOC**		**Fri 19/04/02**	**Fri 23/04/04**	**80%**		GP-021020	**Benoist Sébire**	**.sebire@nokia.com**		**Fri 12/03/04**	**Started**
162		52073	Modifications to RLC/MAC in 44.060 and 44.160	Rel-6	G2	No			Fri 19/04/02	Fri 23/04/04	80%						Fri 12/03/04	
163		52074	Modifications to RRC in 44.118 and 44.018	Rel-6	G2	No			Fri 19/04/02	Fri 23/04/04	80%						Fri 12/03/04	
164		**52075**	**Security for a Flexible Layer One**	**Rel-6**	**S3; G2**	**No**	**FLOC**		**Fri 19/04/02**	**Fri 29/08/03**	**100%**		GP-021021	**Benoist Sébire**	**.sebire@nokia.com**		**Wed 14/01/04**	**Started**
165		52076	Ciphering in 44.160,44.118, 44.060 and 44.018	Rel-6	S3; G2	No			Fri 19/04/02	Fri 29/08/03	100%						Tue 16/09/03	
166		**55077**	**GERAN MS Conformance test for the Flexible Layer One**	**Rel-6**	**G4;G5**	**No**	**FLOC**		**Fri 06/02/04**	**Fri 25/06/04**	**0%**		GP-021022	**Benoist Sébire**	**.sebire@nokia.com**		**Wed 14/01/04**	**Not started**
167		55078	MS Test in 51.01050085	Rel-6	G4;G5	No			Fri 06/02/04	Fri 25/06/04	0%						Wed 14/01/04	
168		**55079**	**GERAN BTS Conformance test for the Flexible Layer One**	**Rel-6**	**G3**	**No**	**FLOC**		**Fri 06/02/04**	**Fri 25/06/04**	**0%**		GP-021023	**Benoist Sébire**	**.sebire@nokia.com**		**Wed 14/01/04**	**Not started**
169		53080	BTS Test in 51.021	Rel-6	G3	No			Fri 06/02/04	Fri 25/06/04	0%						Wed 14/01/04	
170		50041	**Uplink TDOA feasibility study**	Rel-6	GP	No	TDOA		Fri 30/11/01	Fri 28/06/02	100%	45.811	GP-012794	ss, TruePosition, Inc	ss@trueposition.com	Paolo	Thu 24/04/03	
171		**2544**	**Multimedia Broadcast and Multicast Service**	**Rel-6**	**S1**	**No**	**MBM**	**TSG**	**Fri 11/05/01**	**Thu 16/12/04**	**35%**					**Michael**	**Sat 24/11/01**	**renamed at SA#13**
172		2545	**Stage 1**	Rel-6	S1	No			Fri 11/05/01	Mon 01/04/02	100%	22.146, 22.101					Fri 04/07/03	re proposed for 22.1
173		**32002**	**Stage 2**	**Rel-6**	**S2**	**No**		**TSG**	**Mon 24/09/01**	**Wed 17/03/04**	**99%**		SP-010516				**Fri 12/03/04**	
174		32702	TR on Architectural Study	Rel-6	S2	No			Mon 24/09/01	Fri 23/08/02	100%						Fri 12/03/04	
175		32703	Stage 2 Specification Work. (User Service aspects may impact) (progress will be check in Friday	Rel-6	S2	No			Mon 19/08/02	Wed 17/03/04	100%						Fri 12/03/04	
176		2481	**Introduction of MBMS in RAN**	Rel-6	R2	No	MBM	TSG	Tue 01/01/02	Mon 14/06/04	60%		Work_Items	ho Pirskanen , Nokia	rskanen@nokia.com	MCC_RAN	Wed 14/01/04	
177		11030	**Support of the MBMS in CN protocols**	Rel-6	N1	No		TSG	Tue 18/06/02	Wed 08/09/04	60%		NP-030422				Fri 12/03/04	
178		13015	**Gmb interface for MBMS (CN3 part)**	Rel-6	N3	No			Fri 29/08/03	Fri 18/06/04	10%						Sun 07/12/03	
179		33008	**Security Aspects of Multimedia Broadcast/Multicast Service (MBMS)**	Rel-6	S3	No	MBM	TSG	Mon 01/07/02	Thu 25/09/03	20%		SP-020514	Escott, Adrian, 3	n.escott@three.co.ul		Wed 15/10/03	/ID approved SA#17
180		**50085**	**Support of MBMS in GERAN**	**Rel-6**	**GP**	**No**	**MBM**	**TSG**	**Thu 30/08/01**	**Fri 25/06/04**	**21%**		GP-022566				**Wed 14/01/04**	
181		50086	Impact on the logical and physical channels	Rel-6	GP	No			Fri 30/08/02	Fri 25/06/04	25%						Wed 14/01/04	
182		52085	Re-synchronisation at cell change	Rel-6	G2	No			Fri 30/08/02	Fri 27/06/03	0%						Thu 26/09/02	
183		50098	Simultaneous support of MBMS services	Rel-6	GP	No			Fri 30/08/02	Fri 25/06/04	25%						Wed 14/01/04	
184		50099	Simultaneous support of MBMS and non-MBMS services	Rel-6	GP	No			Thu 30/08/01	Fri 25/06/04	25%						Wed 14/01/04	
185		50100	Resynchronisation at cell change	Rel-6	GP	No			Thu 30/08/01	Fri 25/06/04	25%						Wed 14/01/04	
186		50087	Decision making process between point-to-point or pont-to-multipoint configurations	Rel-6	GP	No			Fri 30/08/02	Fri 25/06/04	25%						Wed 14/01/04	
187		50088	MBMS channel allocations procedures to multiple MSs	Rel-6	GP	No			Fri 30/08/02	Fri 25/06/04	25%						Wed 14/01/04	
188		50089	Changes to the Gb interface	Rel-6	GP	No			Fri 30/08/02	Fri 25/06/04	25%						Wed 14/01/04	
189		50090	GERAN specific changes to the Iu-ps interface	Rel-6	GP	No			Fri 30/08/02	Fri 25/06/04	25%						Wed 14/01/04	
190		50091	Interaction between MBMS and Iu-flex	Rel-6	GP	No			Fri 30/08/02	Fri 25/06/04	25%						Wed 14/01/04	
191		50092	Security aspects	Rel-6	GP	No			Fri 30/08/02	Fri 25/06/04	25%						Wed 14/01/04	
192		53081	MS conformance tests- G3	Rel-6	G3	No			Fri 30/08/02	Fri 25/06/04	0%						Wed 14/01/04	
193		55091	MS conformance tests - G5	Rel-6	G5	No			Fri 30/08/02	Fri 27/06/03	0%						Thu 26/09/02	
194		**31045**	**MBMS User Services**	**Rel-6**	**S1**	**No**			**Fri 11/05/01**	**Thu 16/12/04**	**45%**	**22.246**				**Michael**	**Sun 07/12/03**	
195		31044	**MBMS User Services Stage 1**	Rel-6	S1	No			Fri 11/05/01	Mon 01/04/02	80%	22.246				Michael	Sun 07/12/03	
196		34026	**Definition of MBMS user services, media codecs, formats and transport**	Rel-6	S4	No	MBM	TSG	Thu 12/06/03	Thu 16/12/04	25%	26.346	SP-030674	Igor Curcio (Nokia)	r.curcio@nokia.com	Paolo	Fri 12/03/04	

ID		Unique_ID	Name	Release	Resou	Modifie	Acror	Level of	Start	Finish	% Compl	Impacted TSs and T	Hyperlink	WI rapporteur name	WI rapporteur e-mai	MCC resp	last modif	Notes
197		**31006**	**Speech Recognition and Speech Enabled Services**	**Rel-6**	**S1**	**No**	**SRSE**	**TSG**	**Mon 08/10/01**	**Thu 10/06/04**	**94%**		**SP-010572**			**Michael**	**Thu 28/02/02**	
198		31007	**Speech Enabled Services Based on Distributed Speech Recognition (DSR)**	Rel-6	S1	No	DSR	TSG	Mon 08/10/01	Fri 15/03/02	100%	22.941, 23.207, 22.2	SP-010581	s, QUALCOMM, Inc.	ms@qualcomm.com		Fri 12/03/04	
199		32999	**TR on Architectural impacts**	Rel-6	S2	No			Mon 12/05/03	Tue 02/03/04	100%						Fri 12/03/04	
200		34700	**Codec Work to Support Speech Recognition Framework for Automated Voic**	Rel-6	S4	No	SRSE	WG	Tue 15/10/02	Thu 10/06/04	90%	26.235, 26.236, 26.	SP-020687	vid Pearce, Motorol	003@motorola.com	Paolo	Fri 12/03/04	
201		**31008**	**Generic User Profile**	**Rel-6**	**S1**	**No**	**GUP**	**TSG**	**Mon 08/10/01**	**Wed 02/11/05**	**70%**		**SP-030553**			**Michael**	**Fri 28/03/03**	
202		31009	**Stage 1 - Requirements**	Rel-6	S1	No			Mon 08/10/01	Fri 30/05/03	100%	22.240, 22.228		Paul Amery (Orange	mery@orange.co.ul		Fri 12/03/04	
203		32008	**Stage 2 - Architecture**	Rel-6	S2	No			Mon 28/01/02	Fri 06/06/03	100%	23.240	SP-020539	lzquiano (Telefonica	uzquiano_ji@tsm.es		Fri 12/03/04	
204		42002	**Stage 2 - Data Description Method**	Rel-6	T2	No		TSG	Thu 05/12/02	Wed 04/05/05	90%	23.241	TP-020275	(T-Mobile AUSTRIA)	chinger@t-mobile.a	Friedhelm	Fri 12/03/04	
205		42003	**Stage 3 - Common objects**	Rel-6	T2	No		TSG	Thu 05/12/02	Wed 02/11/05	60%	24.241	TP-020275			Friedhelm	Fri 12/03/04	
206		14008	**Stage 3 - Network**	Rel-6	N4	No			Mon 19/05/03	Tue 31/08/04	36%	29.240					Fri 12/03/04	no activity in CN4.....
207		33009	**Security Aspects**	Rel-6	S3	No		WG	Tue 16/07/02	Thu 18/09/03	15%	33.102, 33.203, 33.2	SP-030109	Owen, Bradley	ovowen@lucent.com		Thu 27/03/03	gress in other groups
208		**31010**	**Digital Rights Management**	**Rel-6**	**S1**	**No**	**DRM**	**TSG**	**Mon 08/10/01**	**Fri 21/03/03**	**55%**		**SP-010577**			**Michael**	**Thu 11/10/01**	**n at all on the WID**
209		31011	**Requirements**	Rel-6	S1	No			Mon 08/10/01	Thu 13/06/02	100%			, Openwave System	ood@openwave.cor		Fri 04/07/03	
210		31037	**Monitoring of Stages 2 and 3 progress (actual work to be done by OMA)**	Rel-6	S1	No			Mon 19/08/02	Fri 21/03/03	20%						Fri 12/03/04	
211		33001	**Monitoring of Security (work done by OMA)**	Rel-6	S3	No			Mon 17/06/02	Mon 03/03/03	40%						Fri 08/11/02	WID approved SA#1
212		**31012**	**WLAN-UMTS Interworking**	**Rel-6**	**S1**	**No**	**WLAI**	**TSG**	**Mon 03/01/00**	**Tue 31/08/04**	**88%**		**SP 030712**	**edric Paint, Telenor**	**paint@telenor.com**	**Michael**	**Fri 12/03/04**	
213		31020	**Technical Report**	Rel-6	S1	No	WLAI		Mon 03/01/00	Fri 13/06/03	99%	22.934, 22.101, 22.1		redric Paint, Teleno	c.paint@telenor.com		Fri 12/03/04	
214		31035	**CRs to implement WLAN**	Rel-6	S1	No	WLAI		Mon 03/01/00	Fri 13/06/03	99%	22.934, 22.101, 22.1		redric Paint, Teleno	c.paint@telenor.com		Sun 07/12/03	
215		32018	**Architecture Definition (scenarii 2 & 3 done)**	Rel-6	S2	No		TSG	Mon 25/03/02	Fri 27/02/04	95%		SP-020542				Fri 12/03/04	
216		32704	**Security**	Rel-6	S3	No		TSG	Mon 30/09/02	Fri 21/03/03	30%	21.133, 33.106, 33.1	SP-020514	Soria, Luis, Ericsson	ria@ece.ericsson.s		Fri 08/11/02	WID approved SA#1
217		14013	**Stage 3 - CN4 aspects**	Rel-6	N4	No	WLAI	TSG	Fri 23/05/03	Tue 31/08/04	54%	29.234, 29.061	NP-030490	iguez ,Raquel, Nokia	odriguez@nokia.com		Fri 12/03/04	oved at CN#19.....
218		11042	**WLAN interworking- stage 3**	Rel-6	N1	No		WG	Fri 23/05/03	Fri 04/06/04	70%		NP-030490				Fri 12/03/04	
219		**31015**	**Priority Service**	**Rel-6**	**S1**	**No**	**PRIO**	**TSG**	**Thu 30/05/02**	**Fri 26/09/03**	**67%**					**Michael**	**Fri 28/03/03**	
220		31016	**Feasibility Study**	Rel-6	S1	No	PRIO		Fri 14/06/02	Fri 14/06/02	100%	22.950	SP-010523	lcordia Technologie	mani@telcordia.com	Michael	Fri 04/07/03	
221		31017	**Stage 1 - Requirements**	Rel-6	S1	No	PRIO		Thu 30/05/02	Wed 17/09/03	85%			lcordia Technologie	mani@telcordia.com	Michael	Fri 04/07/03	
222		31041	**Priority Multimedia Service**	Rel-6	S1	No			Fri 28/03/03	Fri 26/09/03	0%		SP-030039				Fri 28/03/03	
223		31043	**Priority service implementation guide**	Rel-6	S1	No			Fri 28/03/03	Fri 26/09/03	85%	22.952		lcordia Technologie	mani@telcordia.com		Sun 07/12/03	
224		**31018**	**Network Sharing**	**Rel-6**	**S1**	**No**	**NTSh**	**TSG**	**Mon 20/01/03**	**Wed 08/09/04**	**56%**		**SP 010739**			**Michael**	**Fri 12/03/04**	
225		31019	**Technical Report**	Rel-6	S1	No	NTSh		Mon 20/01/03	Fri 19/12/03	100%	22.951				Michael	Fri 12/03/04	
226		31038	**Stage 1 - CRs to implement Network Sharing**	Rel-6	S1	No	NTSh		Mon 20/01/03	Fri 19/12/03	100%	22.011, 22.101, 22.1					Fri 12/03/04	
227		32044	**Stage 2**	Rel-6	S2	No			Thu 27/02/03	Thu 17/06/04	75%		SP-030123				Fri 12/03/04	
228		11043	**Network sharing - stage 3**	Rel-6	N1	No		WG	Fri 23/05/03	Wed 08/09/04	4%						Fri 12/03/04	
229		22004	**Enhancement of the support of network sharing in the UTRAN**	Rel-6	R2	No	NTSh	TSG	Fri 19/09/03	Mon 14/06/04	5%	TS25.401, TS25.41	Work_Items	Dahlén, TeliaSonera	n@TeliaSonera.com	MCC_RAN	Wed 14/01/04	
230		**32016**	**QoS Improvements**	**Rel-6**	**S2**	**No**	**QoS1**	**TSG**	**Mon 15/07/02**	**Fri 23/04/04**	**77%**		**SP-010719**			**Sang-Ui**	**Thu 24/01/02**	
231		32017	**FS on Dynamic Policy control enhancements for end-to-end QoS**	Rel-6	S2	No	QoS1	TSG	Mon 15/07/02	Fri 23/04/04	90%		SP-020540		laire Mousset, Norte		Fri 12/03/04	
232		32059	**Definition of the Gq interface**	Rel-6	S2	No			Tue 01/07/03	Fri 23/04/04	83%		SP-030306	Janne Rinne (Nokia)			Fri 12/03/04	
233		13016	**Gq interface specification for Dynamic Policy control enhancements – Stage**	Rel-6	N3	No		TSG	Fri 29/08/03	Fri 19/03/04	25%	24,228, 29.207, 29.2	NP-030198	nna Sillanpää, Nokia	illanpaai@nokia.com		Sun 07/12/03	
234		**33002**	**Support for subscriber certificates**	**Rel-6**	**S3**	**No**	**SEC1**	**TSG**	**Mon 25/02/02**	**Wed 08/09/04**	**35%**	**33.102**	**SP-010622**	**altteri Niemi, Nokia**	**i.niemi@nokia.com**	**Maurice**	**Thu 24/01/02**	**1, CN4, SA5 and T**
235		32705	**Stage 1**	Rel-6	S3	No			Mon 25/02/02	Thu 12/09/02	40%						Fri 08/11/02	eived S3#24, S3#2
236		32706	**Architecture review**	Rel-6	S2	No			Mon 14/10/02	Thu 14/11/02	100%						Fri 12/03/04	
237		14504	**Stage 3**	Rel-6	N4	No	SEC1		Fri 19/09/03	Tue 31/08/04	47%		NP-030399	Lauri Laitinen, Nokia		Kimmo	Fri 12/03/04	oved at CN#21.....
238		11045	**Stage 3 Ua & Ub interfaces**	Rel-6	N1	No			Mon 03/11/03	Wed 08/09/04	10%						Fri 12/03/04	
239		**15010**	**Rel-6 OSA enhancements**	**Rel-6**	**S1**	**No**	**OSA**	**TSG**	**Thu 31/10/02**	**Fri 17/09/04**	**60%**	**22.127, 29.198, 29.9**	**NP-040068**	**ABARCA (Alcatel)**	**.Abarca@alcatel.fr**	**Adrian**	**Fri 12/03/04**	**eplaces NP-030558**
240		31040	**Scope of the Open Service Access Release 6**	Rel-6	S1	No		TSG	Fri 28/03/03	Fri 27/06/03	100%		SP-030038				Fri 12/03/04	
241		15026	**Multi Media Messaging function**	Rel-6	N5	No		TSG	Thu 31/10/02	Fri 18/06/04	50%	29.198, 29.998					Fri 12/03/04	
242		15028	**Policy management extensions**	Rel-6	N5	No		TSG	Thu 31/10/02	Fri 12/12/03	100%	29.198, 29.998					Fri 12/03/04	
243		15029	**TS on Presence and Availability Management (from the PRESNC WI)**	Rel-6	N5	No		TSG	Thu 31/10/02	Fri 26/03/04	100%	29.198-14					Fri 12/03/04	plit WI into TS & TR.
244		15037	TR on Presence and Availability Management (from the PRESNC WI)	Rel-6	N5	No		TSG	Thu 31/10/02	Fri 17/09/04	0%	29.998-14					Fri 12/03/04	yed Rel-6 completio
245		15032	**OSA interfaces at different levels of abstractions (Parlay X, Web services)**	Rel-6	N5	No		TSG	Mon 14/07/03	Fri 18/06/04	90%	29.199					Fri 12/03/04	"freezing" is 06/200

ID		Unique_ID	Name	Release	Resou	Modifie	Acror	Level of	Start	Finish	% Compl	Impacted TSs and T	Hyperlink	WI rapporteur name	WI rapporteur e-mai	MCC resp	last modif	Notes
246		15033	**Introduction of migration support mechanism**	Rel-6	N5	No		TSG	Thu 31/10/02	Wed 10/12/03	100%	29.198, 29.998					Fri 12/03/04	
247		15034	**User Profile**	Rel-6	N5	No		TSG	Thu 23/01/03	Fri 18/06/04	0%	29.198, 29.998					Fri 12/03/04	ing input from SA1/2
248		15036	**Framework Function for Federation**	Rel-6	N5	No		TSG	Mon 03/02/03	Fri 12/12/03	100%	29.198, 29.998					Fri 12/03/04	
249		**50401**	**Addition of frequency bands to GSM**	**Rel-6**	**GP**	**No**	**TAPS**	**TSG**	**Fri 28/06/02**	**Fri 12/11/04**	**4%**		**GP-022072**	**Torben Themsen**		**Paolo**	**Fri 12/03/04**	
250		**50094**	**Addition of frequency bands to GSM – Changes to core specs**	**Rel-6**	**G1**	**No**	**TAPS**	**TSG**	**Fri 15/11/02**	**Fri 20/12/02**	**100%**		**GP-022073**	**Torben Themsen**			**Thu 13/02/03**	**Ready**
251		51102	Changes to core specs	Rel-6	G1	No			Fri 15/11/02	Fri 20/12/02	100%						Thu 13/02/03	
252		**54102**	**Addition of frequency bands to GSM – Changes for conformance tests**	**Rel-6**	**G4**	**No**	**TAPS**		**Fri 28/06/02**	**Fri 12/11/04**	**0%**		**GP-022074**	**Torben Themsen**			**Fri 12/03/04**	**Not started**
253		54103	51.010-1 Add testing	Rel-6	G4	No			Fri 28/06/02	Fri 12/11/04	0%						Fri 12/03/04	
254		**50130**	**Seamless support of streaming services in A/Gb mode**	**Rel-6**	**GP**	**No**	**SSSt**	**TSG**	**Mon 03/01/00**	**Fri 30/01/04**	**94%**		**GP-022561**	**Martínez, Vodafone**		**Paolo**	**Wed 14/01/04**	
255		**51131**	**Identification of requirements for streaming**	**Rel-6**	**G1**	**No**			**Fri 27/06/03**	**Fri 29/08/03**	**100%**		**GP-022564**				**Tue 16/09/03**	**Started**
256		51133	Requirements	Rel-6	G1	No			Fri 27/06/03	Fri 29/08/03	100%						Tue 16/09/03	
257		**51132**	**Performance study of cell change mechanisms**	**Rel-6**	**G1**	**No**			**Mon 03/01/00**	**Fri 29/08/03**	**100%**		**GP-022562**				**Tue 16/09/03**	**Started**
258		51134	Performance of NACC	Rel-6	G1	No			Mon 03/01/00	Fri 29/08/03	100%						Tue 16/09/03	
259		51135	Performance of cell change in DTM for the PS domain	Rel-6	G1	No			Mon 03/01/00	Fri 29/08/03	100%						Tue 16/09/03	
260		51136	Handover	Rel-6	G1	No			Mon 03/01/00	Fri 29/08/03	100%						Tue 16/09/03	
261		**52131**	**Reduction of service interruption times and packet loss during mobility pro**	**Rel-6**	**G2**	**No**			**Fri 27/06/03**	**Fri 21/11/03**	**99%**		**GP-022563**				**Tue 16/09/03**	**leted at GERAN#17**
262		52133	Optimisations of existing mechanisms/procedures	Rel-6	G2	No			Fri 27/06/03	Fri 21/11/03	100%						Tue 16/09/03	
263		52134	Inter-system NACC	Rel-6	G2	No			Fri 27/06/03	Fri 21/11/03	100%						Tue 16/09/03	
264		52135	PS Handover (within GERAN and between GERAN and UTRAN)	Rel-6	G2	No			Fri 27/06/03	Fri 21/11/03	100%						Tue 16/09/03	
265		52136	Dependency to other features	Rel-6	G2	No			Fri 27/06/03	Fri 21/11/03	100%						Tue 16/09/03	
266		**54131**	**MS conformance testing**	**Rel-6**	**G3**	**No**			**Fri 19/12/03**	**Fri 30/01/04**	**100%**		**GP-023424**				**Fri 12/03/04**	**ɔd, no work needed**
267		54132	MS conformance tests	Rel-6	G4;G5	No			Fri 19/12/03	Fri 30/01/04	100%						Mon 01/12/03	sed, no work neede
268		33013	**GERAN A/Gb mode security enhancements**	Rel-6	S3	No			Thu 26/09/02	Thu 25/09/03	10%	33.102	SP-030107	ar Howard, Vodafone	ward@vodafone.cor		Thu 27/03/03	specification needed
269		34300	**Performance characterisation of default codecs for PS conversational**	Rel-6	S4	No	COD(	TSG	Fri 13/09/02	Thu 10/06/04	90%	TR 26.935	SP-020433	Pasi Ojala (Nokia)	i.s.ojala@nokia.con	Paolo	Fri 12/03/04	
270		31029	**Study of Feature Interactions Requirements (This should be deleted)**	Rel-6	S1	No	FINTI	TSG	Fri 08/11/02	Mon 03/03/03	20%	TR 21.xyz	SP-020578			Michael	Fri 12/03/04	
271		31030	**Study on Privacy Capability**	Rel-6	S1	No	PrivC	TSG	Fri 08/11/02	Mon 03/03/03	85%	TR 21.xyz	SP-020579	Liz Daniel, Lucent		Michael	Fri 12/03/04	
272		**35010**	**OAM&P**	**Rel-6**	**S5**	**No**	**OAM**	**TSG**	**Thu 12/09/02**	**Wed 08/12/04**	**64%**	**32-series**	**SP-020445**	**TRUSS (Motorola)**	**)MOTOROLA.COM**	**Adrian**	**Fri 10/10/03**	
273		35011	**Principles, high level Requirements and Architecture**	Rel-6	S5	No	OAM-	TSG	Thu 12/09/02	Fri 18/06/04	77%	32.101, 32.102	SP-020446	el TRUSS (Motorola	)MOTOROLA.COM		Fri 12/03/04	03/2004 => 06/2004
274		35012	**Performance Management**	Rel-6	S5	No	OAM-	TSG	Thu 12/09/02	Fri 18/06/04	78%	32.41x, 52.402	SP-020499	HE (Nortel Networks)	LNETWORKS.COM		Fri 12/03/04	03/2004 => 06/2004
275		35014	**Network Infrastructure Management**	Rel-6	S5	No	OAM-	TSG	Thu 12/09/02	Fri 18/06/04	66%	32.15x, 32.3/6/7xy	SP-020754	OVINGER (Ericsson)	er@emw.ericsson.s		Fri 12/03/04	03/2004 => 06/2004
276		**35015**	**Trace Management**	**Rel-6**	**S5**	**No**	**OAM**	**TSG**	**Fri 20/09/02**	**Wed 08/12/04**	**48%**	**32.42x, 52.008**	**SP-020332**	**ari RÖNKÄ (Nokia)**	**.ronka@nokia.com**		**Fri 12/03/04**	
277		35022	Subscriber and UE trace management	Rel-6	S5	No	OAM-	TSG	Fri 20/09/02	Fri 18/06/04	75%	32.42x, 52.008		Kari RÖNKÄ (Nokia)	i.t.ronka@nokia.con		Fri 12/03/04	
278		23013	Subscriber and equipment trace in UTRAN	Rel-6	R3	No	OAM-	TSG	Fri 06/06/03	Fri 12/03/04	35%		Work_Items	Yann Sehedi, Nortel	@nortelnetworks.con	MCC_RAN	Wed 14/01/04	
279		11046	SIP enhancements for trace	Rel-6	N1	No			Mon 16/02/04	Wed 08/12/04	2%						Fri 12/03/04	
280		**35016**	**Charging Management**	**Rel-6**	**S5**	**No**	**CH**	**TSG**	**Thu 21/11/02**	**Fri 18/06/04**	**75%**	**32.2xy**	**SP-030047**	**ENNER (T-Mobile)**	**enner@t-mobile.de**	**Adrian**	**Fri 12/03/04**	**03/2004 => 06/2004**
281		35017	**Charging Management for Bearer level**	Rel-6	S5	No	CH-B	TSG	Fri 21/03/03	Fri 18/06/04	75%		SP-030048	LEXANDER (Nokia)			Fri 12/03/04	03/2004 => 06/2004
282		35018	**Charging Management for the IMS**	Rel-6	S5	No	CH-IC	TSG	Fri 21/03/03	Fri 18/06/04	75%		SP-030049	k TEPPO (Ericsson)			Fri 12/03/04	03/2004 => 06/2004
283		35019	**Charging Management for the Service domain**	Rel-6	S5	No	CH-S	TSG	Fri 21/03/03	Fri 18/06/04	75%		SP-030050	SÖRMER (Siemens)			Fri 12/03/04	03/2004 => 06/2004
284		32030	**Overall architectural aspects of IP flow based bearer level charging**	Rel-6	S2	No			Thu 21/11/02	Tue 02/03/04	74%		SP-020796				Fri 12/03/04	
285		**1800**	**Rel-6 UICC/USIM enhancements and interworking**	**Rel-6**	**T3**	**No**	**USAT**	**TSG**	**Mon 25/09/00**	**Thu 19/02/04**	**99%**		**not needed**			**Claus**	**Fri 01/12/00**	
286		**1802**	**UICC API**	**Rel-6**	**T3**	**No**	**USAT**		**Wed 20/03/02**	**Thu 19/02/04**	**98%**						**Mon 12/03/01**	**eted from Workpla**
287		43001	Java API Test specification	Rel-6	T3	No			Wed 20/03/02	Mon 10/06/02	100%		TP-020029	electrónica Española			Fri 10/10/03	
288		43003	Java API Test specification (TS 43.019 Rel-5)	Rel-6	T3	No			Thu 30/05/02	Mon 09/06/03	100%		TP-020122	electrónica Española			Fri 10/10/03	
289		43006	2G/3G Java Card™ API based applet interworking	Rel-6	T3	No	USAT	TSG	Mon 17/03/03	Thu 19/02/04	95%		TP-030031	erthur Card System		Claus	Fri 10/10/03	
290		**43004**	**Rel-6 USIM toolkit enhancements**	**Rel-6**	**T3**	**No**			**Mon 25/09/00**	**Fri 27/09/02**	**99%**					**Claus**	**Fri 28/03/03**	
291		**502031**	**C SIM API**	**Rel-6**	**T3**	**No**	**USAT**	**TSG**	**Mon 25/09/00**	**Fri 27/09/02**	**100%**		**TP-000155**				**Fri 10/10/03**	
292		502032	Specification	Rel-6	T3	No		TSG	Mon 25/09/00	Fri 27/09/02	100%		TP-000155	n – Aspects Software			Fri 10/10/03	
293		502033	Test specification	Rel-6	T3	No		TSG	Mon 01/01/01	Fri 28/09/01	100%		TP-000155	n – Aspects Software			Fri 10/10/03	
294		**34022**	**Packet Switched Streaming Services Rel-6**	**Rel-6**	**S4**	**No**	**PSSr**	**TSG**	**Mon 18/11/02**	**Thu 16/09/04**	**79%**		**SP-020685**	**nceschi (Ericsson)**	**ichi@ericsson.com**	**Paolo**	**Fri 12/03/04**	

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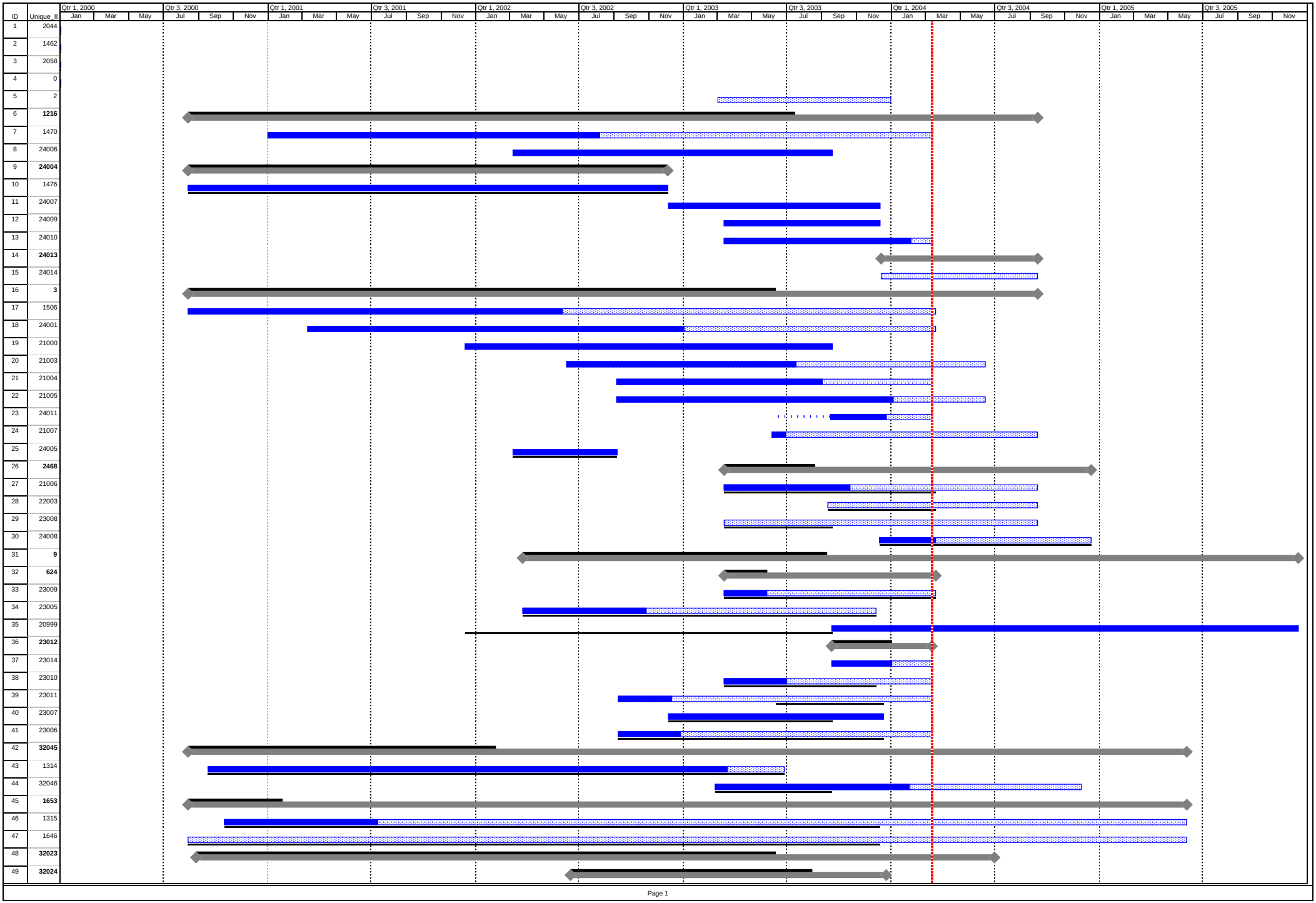
295		31039	**Stage 1**	Rel-6	S1	No		TSG	Mon 18/11/02	Mon 17/03/03	100%	22.233					Fri 12/03/04	2nd resp SA4
296		34024	**Stage 3**	Rel-6	S4	No	PSS/	WG	Fri 13/12/02	Thu 16/09/04	75%	26.233, 26.234, 26.2		ranceschi (Ericsson)	eschi@ericsson.com	Paolo	Fri 12/03/04	
297		34023	**AMR-WB extension for high audio quality**	Rel-6	S4	No	AMR\	TSG	Fri 13/12/02	Thu 10/06/04	75%		SP-030083	Janne Vainio (Nokia	m.vainio@nokia.com	Paolo	Fri 12/03/04	
298		34027	**Codec Enhancements for Packet Switched Conversational Multimedia**	Rel-6	S4	No	CEPS	WG	Tue 16/03/04	Thu 16/09/04	0%	26.235, 26.236		ı Hannuksela (Nokia	nuksela@nokia.com	Paolo	Fri 12/03/04	
299		34028	**3G-324M Improvements**	Rel-6	S4	No	3G-32	WG	Tue 16/03/04	Thu 16/09/04	0%	26.111, 26.911		3o Burman, Ericsson	rman@ericsson.com	Paolo	Fri 12/03/04	
300		51101	**Single Antenna Receiver Interference Cancellation (SAIC)**	Rel-6	GP;G1	No	SAIC	TSG	Fri 15/11/02	Fri 23/04/04	80%		GP-023400	nt, Cingular Wireless			Fri 12/03/04	
301		**50500**	**Support of Conversational Services in A/Gb mode via the PS domain**	**Rel-6**	**GP**	**No**	**SCS/**	**TSG**	**Fri 07/02/03**	**Fri 27/08/04**	**24%**		**GP-030443**	**ı Bladsjö, Ericsson**	**lsjo@ericsson.com**		**Fri 12/03/04**	
302		50501	**Creation of a TR**	Rel-6	GP	No	SCS/	TSG	Fri 07/02/03	Fri 21/11/03	100%		GP-030444	vid Bladsjö, Ericsson			Mon 01/12/03	
303		50502	**Stage 2**	Rel-6	GP	No	SCS/	TSG	Fri 21/11/03	Fri 23/04/04	10%		GP-030445	vid Bladsjö, Ericsson			Fri 12/03/04	Started
304		50503	**Radio Channel Support**	Rel-6	GP	No	SCS/	TSG	Fri 06/02/04	Fri 27/08/04	0%		GP-030446	vid Bladsjö, Ericsson			Tue 16/09/03	Not started
305		50504	**Definition of radio resource management functionality**	Rel-6	GP;G2	No	SCS/	TSG	Fri 06/02/04	Fri 27/08/04	0%		GP-030447	vid Bladsjö, Ericsson			Tue 16/09/03	Not started
306		50505	**PS Handover**	Rel-6	GP	No	SCS/	TSG	Fri 06/02/04	Fri 27/08/04	0%		GP-030448	vid Bladsjö, Ericsson			Tue 16/09/03	Not started
307		50506	**Modifications to FLO**	Rel-6	GP;G2	No	SCS/	TSG	Fri 06/02/04	Fri 27/08/04	0%		GP-030449	vid Bladsjö, Ericsson			Tue 16/09/03	Not started
308		**12006**	**Enhancement of dialled service for CAMEL**	**Rel-6**	**S1**	**No**	**EDC/**	**TSG**	**Fri 28/03/03**	**Wed 31/12/03**	**100%**		**SP-020818**	**s Research Institute**		**Andrijana**	**Fri 12/03/04**	
309		12007	Stages 2 and 3	Rel-6	N2	No			Fri 28/03/03	Wed 31/12/03	100%		NP-030153				Fri 12/03/04	
310		32060	**Bandwidth and resource savings in CS networks**	Rel-6	S2	No	CSS/		Sun 01/06/03	Wed 16/06/04	70%	TR 23.977					Fri 12/03/04	
311		33018	**FS on (U)SIM Security Reuse by Peripheral Devices on Local Interfaces**	Rel-6	S3	No		TSG	Thu 03/07/03	Fri 26/12/03	5%		SP-030341	merica Research Inc	ub@tari.toshiba.com	Maurice	Wed 15/10/03	Approved TSG#20
312		**50600**	**Multiple TBF in A/Gb mode**	**Rel-6**	**GP;G2**	**No**	**MUL1**	**TSG**	**Fri 05/04/02**	**Fri 25/06/04**	**65%**		**GP-021263**	**ıar Mildh, Ericsson**		**Paolo**	**Tue 16/09/03**	
313		**50601**	**Multiple TBF in A/Gb mode**	**Rel-6**	**GP;G2**	**No**	**MUL1**	**TSG**	**Fri 05/04/02**	**Fri 29/08/03**	**100%**		**GP-021263**	**ıar Mildh, Ericsson**			**Tue 16/09/03**	
314		50602	Multiple TBF Concept paper	Rel-6	GP;G2	No			Fri 05/04/02	Fri 29/08/03	100%						Tue 16/09/03	
315		50603	Multiple TBF Stage 2 (43.064) CRs	Rel-6	GP;G2	No			Fri 05/04/02	Fri 29/08/03	100%						Tue 16/09/03	
316		50604	Multiple TBF Stage 3 (44.060) CRs	Rel-6	GP;G2	No			Fri 05/04/02	Fri 29/08/03	100%						Tue 16/09/03	Not started
317		50605	**Multiple TBF in A/Gb mode – MS testing**	Rel-6	G3	No	MUL1	TSG	Fri 05/04/02	Fri 25/06/04	0%		GP-022098	nnar Mildh, Ericsson		Paolo	Fri 12/03/04	Not started
318		**50096**	**Alignment between the test-regimes for GERAN capable MS**	**Rel-6**	**G3**	**No**	**ALTE**	**TSG**	**Fri 29/08/03**	**Fri 23/04/04**	**80%**		**GP-032236**	**Toubassi, Ericsson**		**Michael**	**Wed 14/01/04**	
319		50097	Determine the controversial test cases in the different test regimes and align them with 3GPP GERA	Rel-6	G3	No	ALTE	TSG	Fri 29/08/03	Fri 23/04/04	80%						Mon 01/12/03	Started
320		50444	**Addition of U-TDOA in the CS domain**	Rel-6	GP	No	UTDC	TSG	Fri 21/11/03	Fri 23/04/04	90%		GP-032773	on, TruePosition, Inc	ss@trueposition.com	Paolo	Fri 12/03/04	Started
321		50445	**Addition of U-TDOA in the PS domain**	Rel-6	GP	No	UTDC	TSG	Fri 27/06/03	Fri 12/11/04	5%		GP-032774	on, TruePosition, Inc	ss@trueposition.com	Paolo	Fri 12/03/04	Started
322		**50101**	**Advanced Receiver Performance**	**Rel-6**	**GP**	**No**	**ARP**	**TSG**	**Fri 21/11/03**	**Fri 12/11/04**	**18%**		**GP-032819**	**mmy Bysted, Nokia**	**bysted@nokia.com**	**Paolo**	**Fri 12/03/04**	
323		50102	**ARP test scenarios**	Rel-6	GP	No	ARP-	TSG	Fri 21/11/03	Fri 23/04/04	20%		GP-032820	ommy Bysted, Nokia	y.bysted@nokia.com	Paolo	Fri 12/03/04	Started
324		**50103**	**ARP for GMSK modulated voice services**	**Rel-6**	**GP**	**No**	**ARP-**	**TSG**	**Fri 06/02/04**	**Fri 25/06/04**	**15%**		**GP-032821**	**mmy Bysted, Nokia**	**bysted@nokia.com**	**Paolo**	**Fri 12/03/04**	**Started**
325		50104	Performance requirements in 45.005	Rel-6	GP	No	ARP-	TSG	Fri 06/02/04	Fri 25/06/04	15%						Fri 12/03/04	Started
326		50105	Radio subsystem link control in 45.008	Rel-6	GP	No	ARP-	TSG	Fri 06/02/04	Fri 25/06/04	15%						Fri 12/03/04	Started
327		**50106**	**ARP for GPRS and EGPRS MCS1-MCS4**	**Rel-6**	**GP**	**No**	**ARP-**	**TSG**	**Fri 06/02/04**	**Fri 25/06/04**	**10%**		**GP-032822**	**mmy Bysted, Nokia**	**bysted@nokia.com**	**Paolo**	**Fri 12/03/04**	**Started**
328		50107	Performance requirements in 45.005	Rel-6	GP	No	ARP-	TSG	Fri 06/02/04	Fri 25/06/04	10%						Fri 12/03/04	Started
329		50108	Radio subsystem link control in 45.008	Rel-6	GP	No	ARP-	TSG	Fri 06/02/04	Fri 25/06/04	10%						Fri 12/03/04	Started
330		50115	**ARP Capability signalling**	Rel-6	GP	No	ARP-	TSG	Fri 21/11/03	Fri 23/04/04	40%		GP-032823	ommy Bysted, Nokia	y.bysted@nokia.com	Paolo	Fri 12/03/04	Started
331		50116	**GERAN MS Conformance test for ARP**	Rel-6	G3	No	ARP-	TSG	Fri 27/08/04	Fri 12/11/04	5%		GP-032824	ommy Bysted, Nokia	y.bysted@nokia.com	Michael	Fri 12/03/04	Started
332		**50109**	**Reduction of PS service interruption in Dual Transfer Mode**	**Rel-6**	**G2**	**No**	**PSint**	**TSG**	**Fri 21/11/03**	**Fri 12/11/04**	**48%**		**GP-032548**	**y Proctor, Siemens**	**roctor@roke.co.uk**	**Gert**	**Fri 12/03/04**	
333		50110	**Use case and requirement definition**	Rel-6	G2	No	PSint	TSG	Fri 21/11/03	Fri 23/04/04	100%		GP-032549	oby Proctor, Siemens	r.proctor@roke.co.uk	Gert	Fri 12/03/04	Started
334		50111	**Performance Study of Current Procedures**	Rel-6	G2	No	PSint	TSG	Fri 21/11/03	Fri 23/04/04	100%		GP-032550	oby Proctor, Siemens	r.proctor@roke.co.uk	Gert	Fri 12/03/04	Started
335		50112	**Reduction of service interruption times and packet loss during Dual Transfe**	Rel-6	G2	No	PSint	TSG	Fri 23/04/04	Fri 25/06/04	5%		GP-032551	oby Proctor, Siemens	r.proctor@roke.co.uk	Gert	Fri 12/03/04	Started
336		50113	**MS Conformance testing**	Rel-6	G3	No	PSint	TSG	Fri 25/06/04	Fri 12/11/04	0%					Michael	Mon 01/12/03	Not started
337		50114	**BTS Conformance testing**	Rel-6	G3	No	PSint	TSG	Fri 25/06/04	Fri 12/11/04	0%					Michael	Mon 01/12/03	Not started
338		12008	**CAMEL prepay interworking with SCUDIF**	Rel-6	N2	No	SCC/		Mon 08/12/03	Mon 20/09/04	5%		NP-030584				Fri 12/03/04	
339		**31046**	**Circuit Switched Video and Voice Service Improvements**	**Rel-6**	**S1**	**No**	**CS_V**	**TSG**	**Mon 12/01/04**	**Thu 14/10/04**	**9%**		**SP-030788**	**n, Vodafone Group**		**Michael**	**Fri 12/03/04**	
340		31047	Stage 1 - Requirements	Rel-6	S1	No			Mon 12/01/04	Thu 14/10/04	25%			ion, Vodafone Group		Michael	Fri 12/03/04	
341		13017	CN3 Part	Rel-6	N3	No			Mon 12/01/04	Thu 14/10/04	0%					DavidB	Fri 12/03/04	
342		52137	GERAN2 Part	Rel-6	G2	No			Mon 12/01/04	Thu 14/10/04	0%					Gert	Fri 12/03/04	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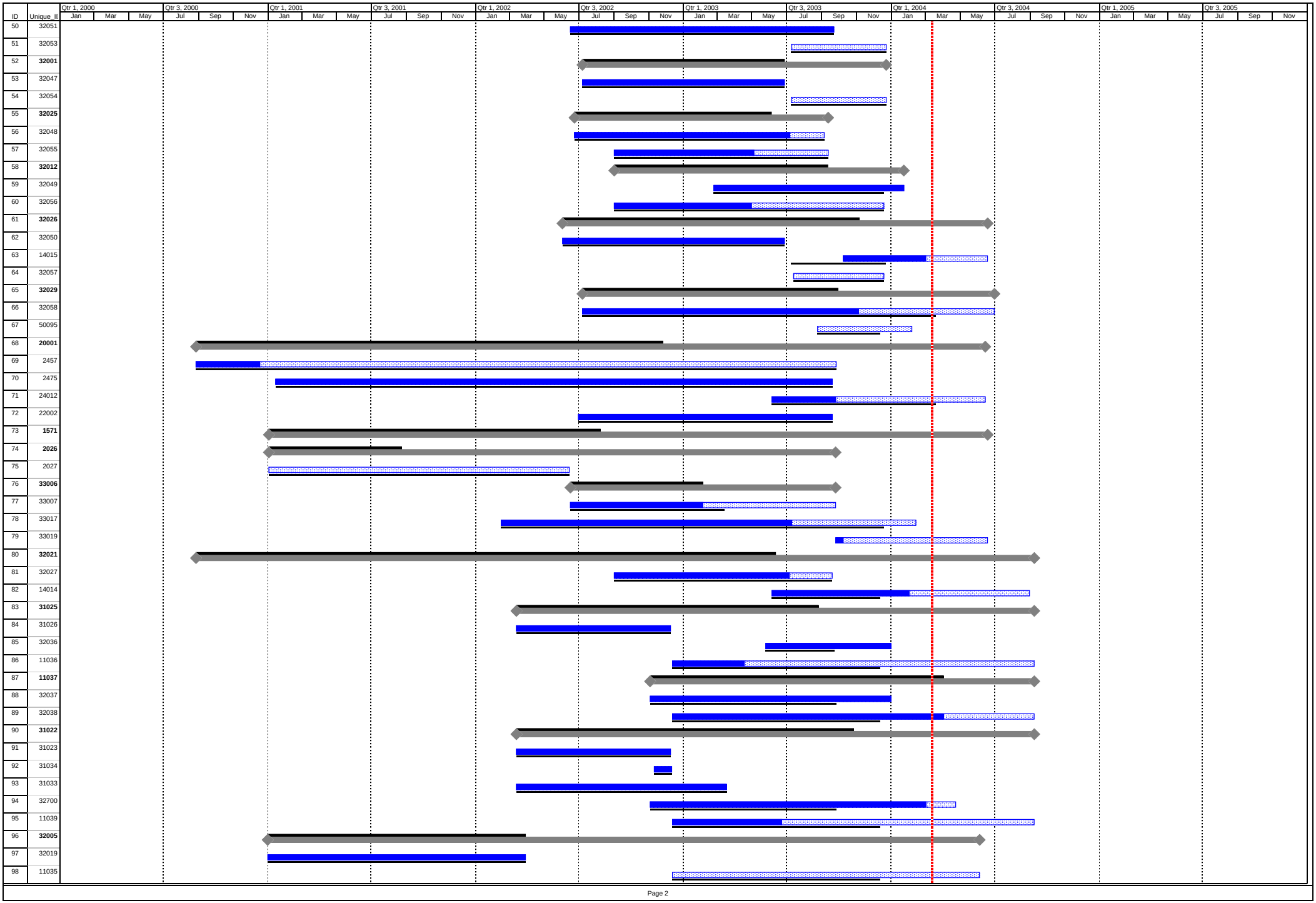
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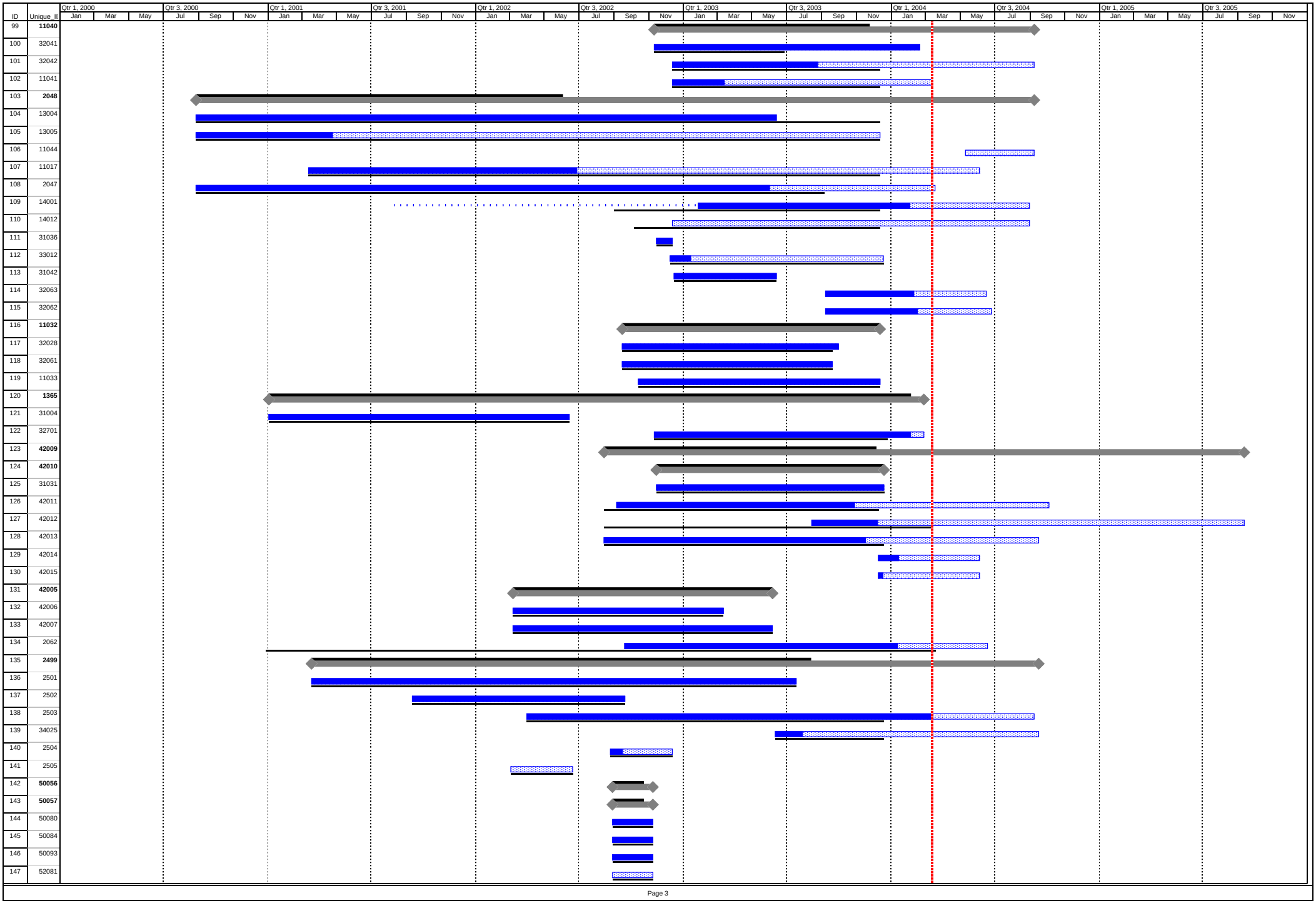
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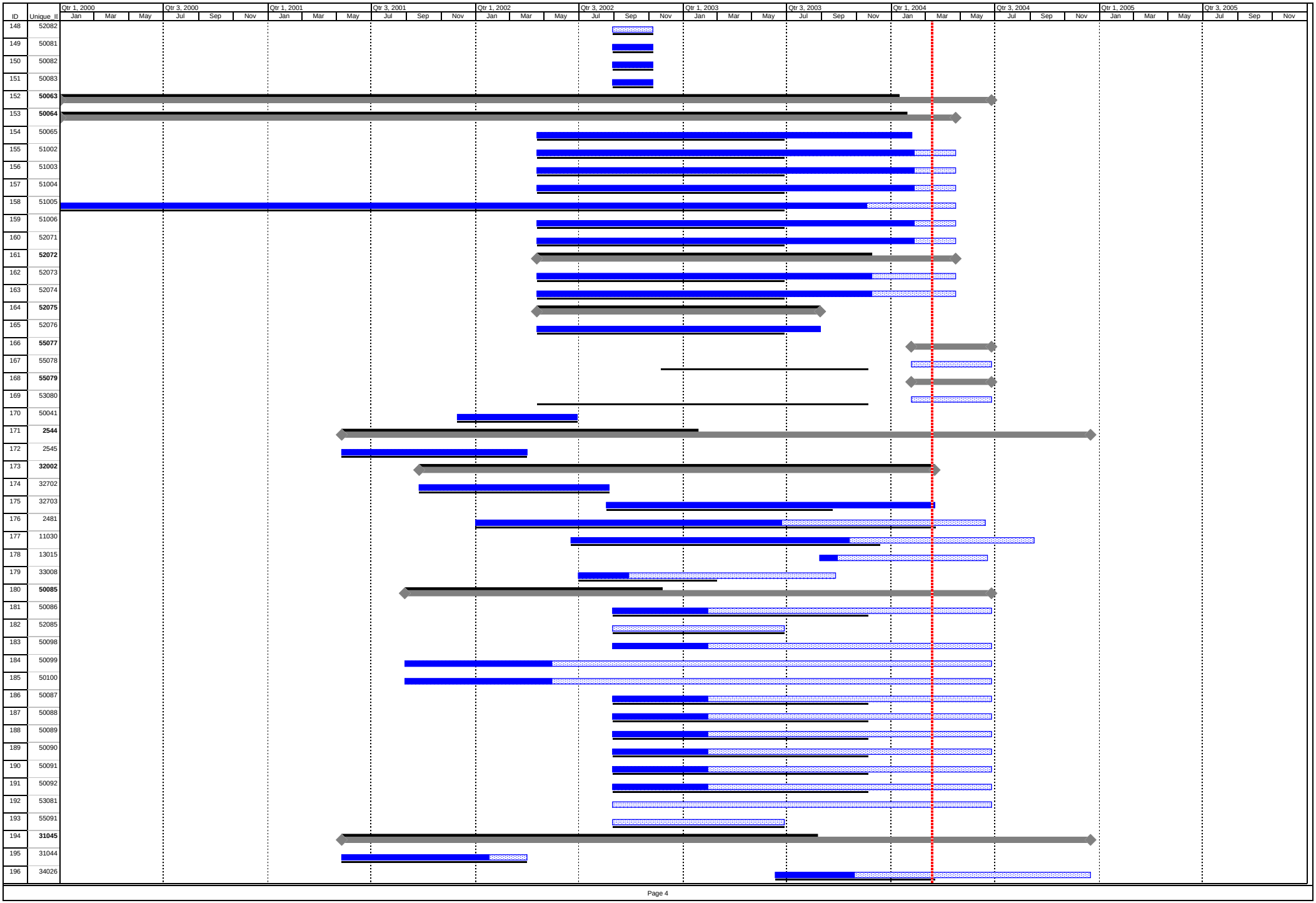
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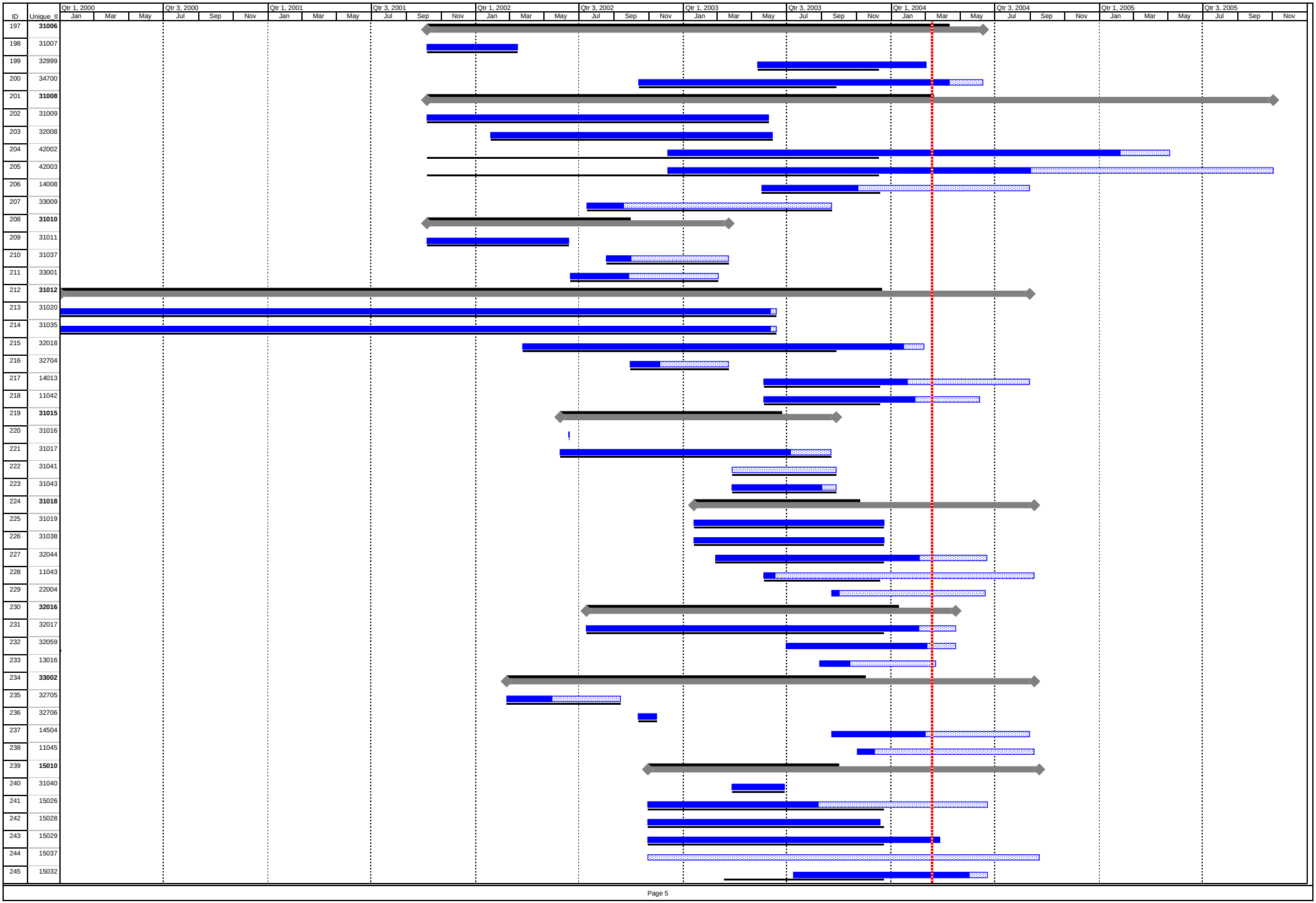
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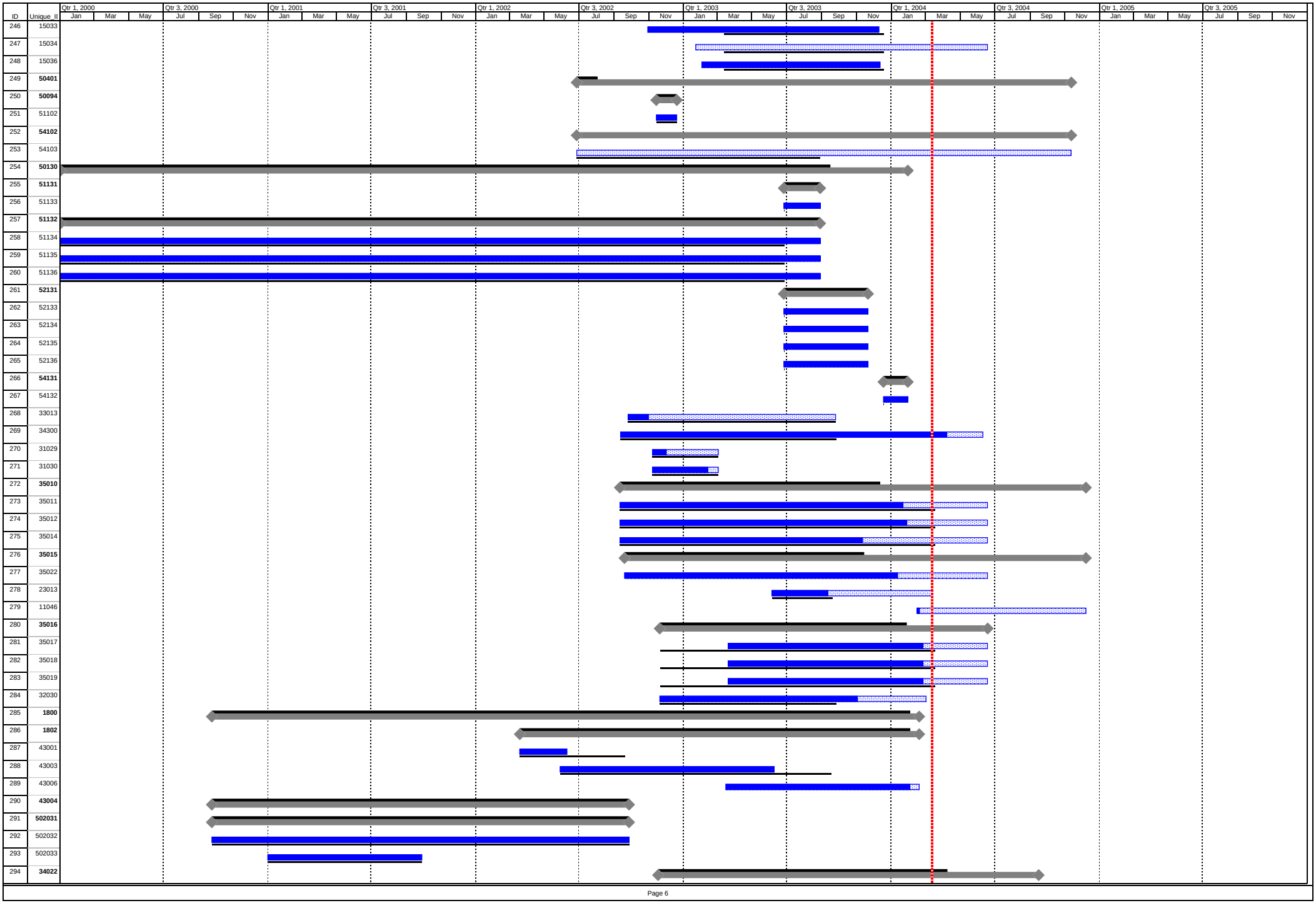
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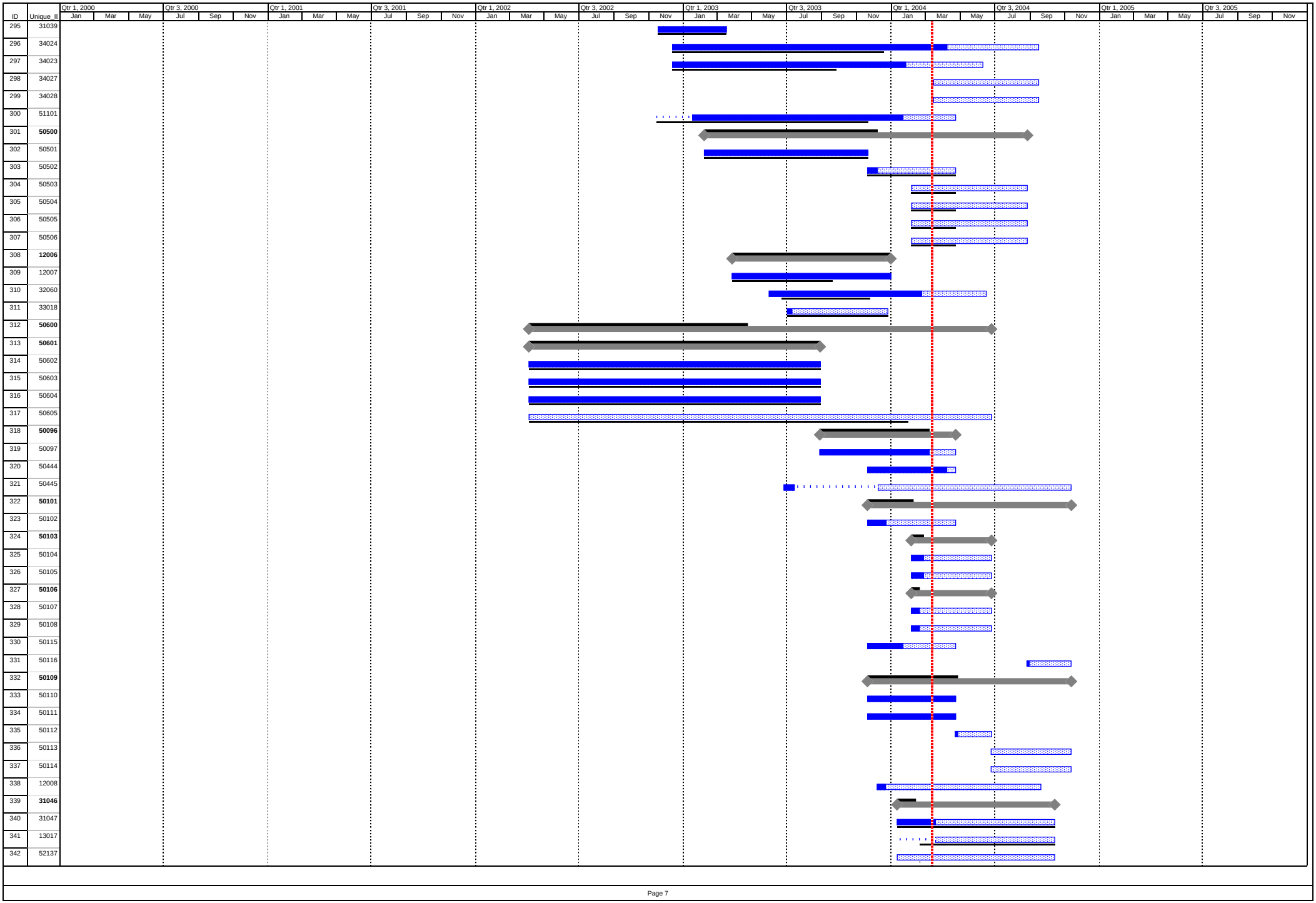
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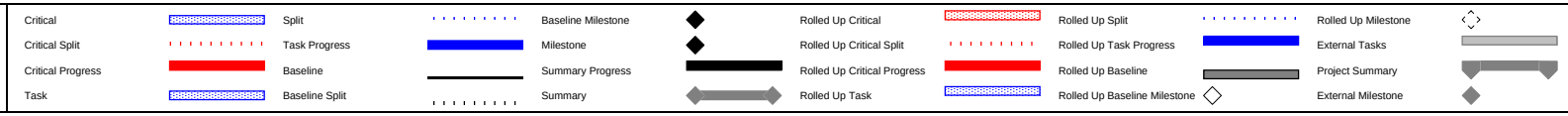
Project: 3GPP_Work Plan
Date: Fri 12/03/04