3GPP Work Plan – Cover page

Version 2000, September 26th

Introduction

This paragraph contains recurrent information provided to the reader not familiar with the 3GPP Work Plan. The usual reader can skip it and go to the section "Content of this version".

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 .

General description

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).

Attributes applicable to a WI

From the Work Plan perspective, a WI is fully characterised by the following set of attributes:
Name, Splitable (defining if the WI has to be considered as a single block or if it can be realised onto different releases), Acronym, Resource name (defining the responsible WG or TSG), Modified (see next section), Modified since last TSG (see next section), IGC (defining the responsible IGC), Start, Finish, % completed, Impacted TS and TR, WG/TSG Approved (clarifying if the WI coversheet has been approved at WG/TSG level or if it's just a proposal), hyperlink (to the proposed/approved WI coversheet), WI rapporteur name, WI rapporteur e-mail, Unique ID, Notes (free field).
These attributes are fully defined in a separate document.
For better readability, only some of these attributes are shown in the PDF views.

How is the Work Plan updated?

The Work Plan is updated according to the proposals of the IGCs, Working Groups and the decisions of the TSGs.
When a proposal is rejected by the TSG, then the WI has to be deleted from the Work Plan.

The rules for modifications of WIs are the following:

- A WG can only modify the WIs under its responsibility, as well as the WIs below it: e.g. if the WG is responsible of a BB, it can modify the BB and all the corresponding WTs, even it does not have the main responsibility for these WTs. These WI modifications have to be later officially approved by the corresponding TSGs. This rule applies also to the creation and the deletion of WI(s). A TSG can act on behalf of all his WGs.

- All the editing of the Work Plan (WGs' proposals, track of the work progress, TSG's decisions) is performed by MCC: each member of the MCC support team includes the changes proposed or decided by his/her group. Comments on the inaccuracy of the Work Plan on a given WI shall then be addressed directly to the responsible MCC support team member.
- **A modification proposed by a WG on a WI that impacts other WG(s) has to be pointed out to all the impacted WGs and, if possible, the impacted WGs' chairmen have to be consulted before the modification is proposed (as to minimise the risk of disagreement between WGs).**

Content of this version

The modifications compared to the previous version are the following:
For the version of September 14th:

- The field "splitable" has been introduced. For a given WI, it identifies whether its children WIs can be split on different Releases (splitable= "yes") or if the WI has to be considered as a single block (splitable= "no").
- Milestones are now appearing in the Gantt Chart
- The inputs considered for the elaboration of this version are:
    - Key results of the SA ad-hoc of Helsinki
    - Verbal inputs from the IGCs (one meeting in Bristol)
    - MCC updates (based on WG's review or discussion with chairmen):
        - N3 meeting #12 (David Boswarthick)
        - GERAN GP-00480 (Paolo Usai)
        - N1 meeting #13 (Ban Al Bakri)
        - T2 meeting #10 (Friedhelm Rodermund)
        - Peter George and Lidia Salmeron for T1
        - Michael Sanders for T3
        - Hans van der Veen for TSG RAN
        - Carolyn Taylor for R3
    - Also, Vodafone's proposal on completion date was considered each time it was not conflicting with the previous inputs.
- "R4" and "R5" have been deleted from the name of the features. They will be reintroduced as soon as the R4 content will be officially approved.

For the version of September 26th:
The major modifications are:
By T groups:

- Testing dispatched to other features
- Incorporation of T approved WIs
- Advanced Cell Broadcast deleted (no active work on this feature since the beginning)

By RAN groups:

- "Evolution of transport" split into "Evolution of transport for CN" and "Evolution of transport for UTRAN": this split was decided by TSG RAN and TSG CN chairmen but does not fit with the spirit of features being transversal items through all the system.
- "RAN technical small enhancements and improvements" added
- lot of work in updating all the RAN WIs

By CN groups:
Updates by all CN WGs, but:

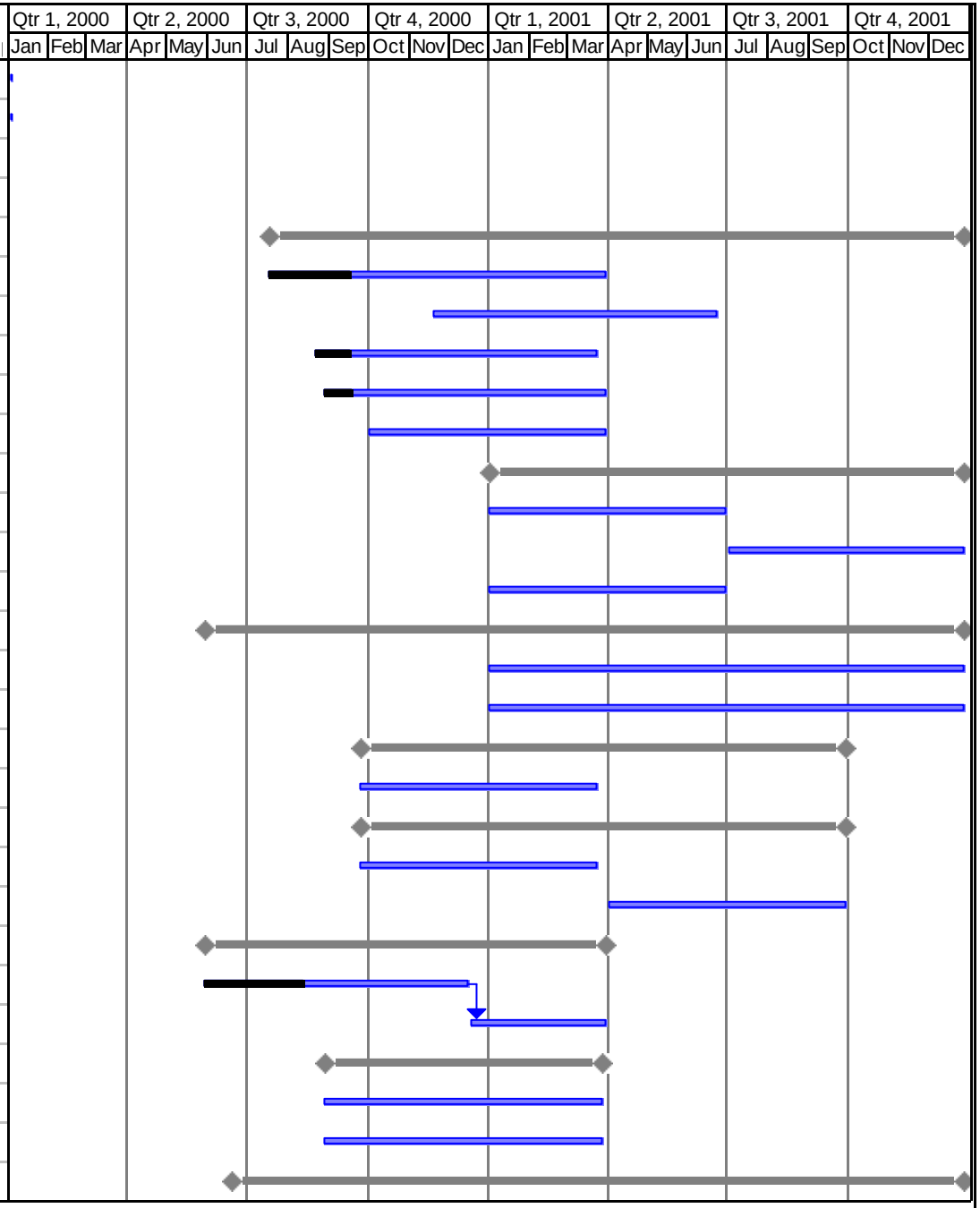
- N3 updates not incorporated because incomprehensible (seems to make only one change, and this change is meaningless!).
- N5 update to add "Support of VHE/OSA by R4 network entities and protocols of the IM subsystem (e.g. CSCF)" not incorporated: not clear: IM subsystem is Rel 5, not R4.

The following BBs are deleted by CN (part of "Evolutions of the transport in the CN"):
User/signalling data transport on TCP/RTP/UDP/IP based bearers (Nb/Nc)
User/signalling data transport on ATM/AAL2 bearers (Nb/Nc)

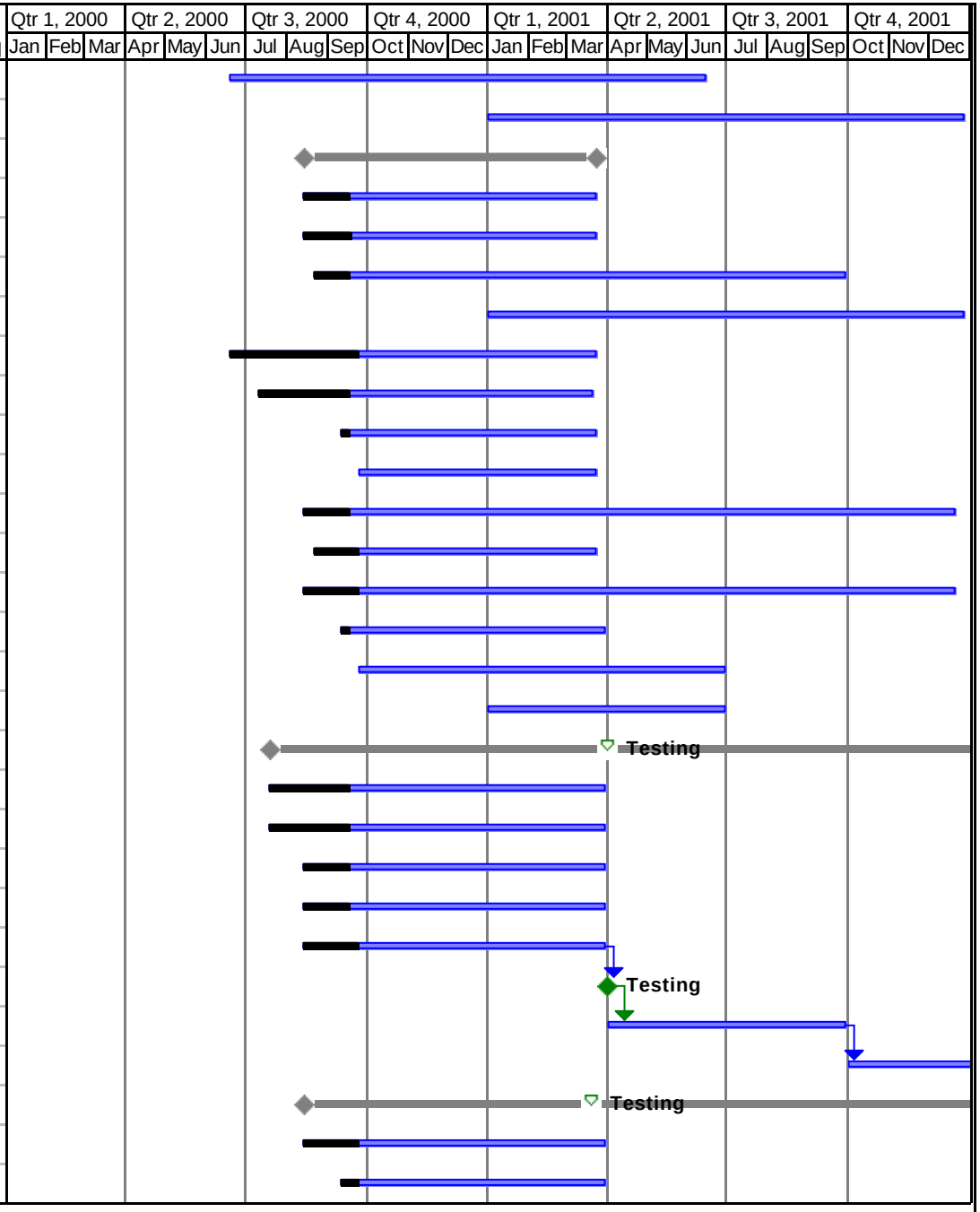
“CAMEL phase 5” deleted because the only stage 3 WT composing it (“CAMEL applicability to media streams like VoIP”) has been moved to CAMEL phase 4.
N2 updates: the following items have been added: "Charging notification to the CSE", "Call Party Handling", "Mid call procedure for MO and MT calls" and "Inclusion of flexible tone injection"

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

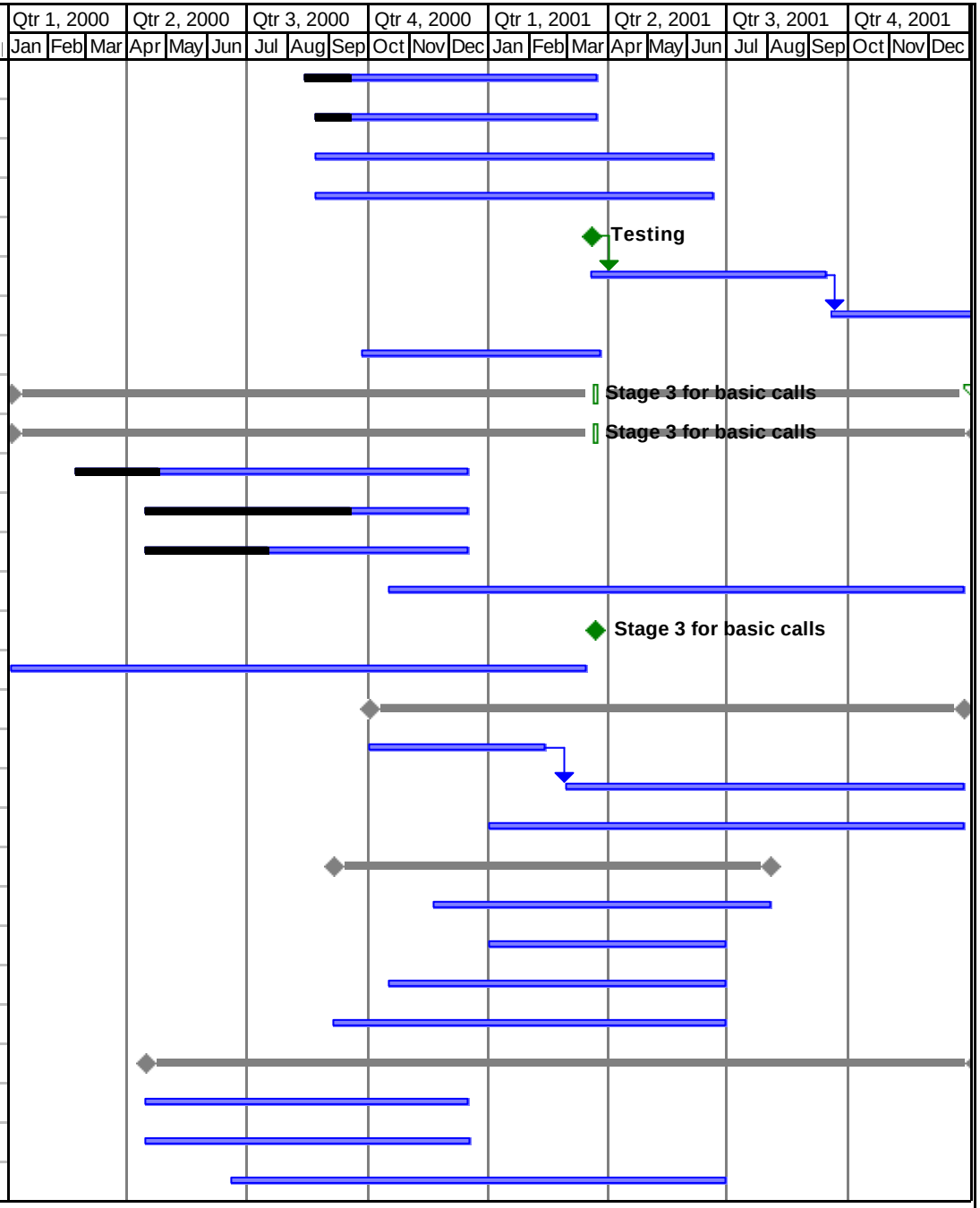
ID	Name	Splitable	Resource Na	TSG Ap	WG Ap
1	3GPP fields: indicators, Name, Ressource name, Modifie	No		No	No
2	**"CTRL + a" to display all the 3GPP fields (move th**	No		No	No
3					
4					
5	**Evolutions of the transport in the UTRAN**	**Yes**	**TSG RAN**	**Yes**	**Yes**
6	IP transport in the UTRAN	No	WG RAN3	No	Yes
7	Radio access bearer support enhancement (Maste	No	WG RAN2	Yes	Yes
8	QoS optimisation for AAL2 connections over Iub an	No	WG RAN3	Yes	Yes
9	(copy) PS-domain handover for real-time services	No	WG RAN3	Yes	Yes
10	Migration to modification procedures	No	WG RAN3	No	No
11	**Conformance Test Aspects**	**No**	**WG T1**	**No**	**No**
12	UE Conformance test spec. changes, R4 evolu	No	WG T1	No	No
13	UE Conformance test spec. changes, R4 evolut	No	WG T1	No	No
14	Logical Test Interface, Specification, R4 evoluti	No	WG RAN2	No	No
15	**Evolutions of the transport in the CN**	**Yes**	**WG CN4**	**No**	**No**
16	User/signalling data transport on TCP/RTP/UDP/IP b	No	TSG CN	No	No
17	User/signalling data transport on ATM/AAL2 bearer	No	TSG CN	No	No
18	**IP Transport of CN protocols (e.g., CAP, MAP)**	**No**	**WG CN4**	**No**	**No**
19	Stage 2	No	WG SA2	No	No
20	**Stage 3**	**No**	**WG CN4**	**No**	**No**
21	CAP	No	WG CN2	No	No
22	MAP	No	WG CN4	No	No
23	**FS on Transport and control separation in the**	**No**	**WG SA2**	**Yes**	**Yes**
24	Stage 2	No	WG SA2	No	Yes
25	Stage 3 (see note)	No	WG CN4	No	Yes
26	**Evolutions of bearers in the CN**	**Yes**	**WG CN3**	**No**	**No**
27	Multimedia domain and CS networks Interworki	No	WG CN3	No	No
28	Multimedia domain and IP networks Interworkin	No	WG CN3	No	No
29	**Improvements of Radio Interface**	**Yes**	**TSG RAN**	**Yes**	**Yes**



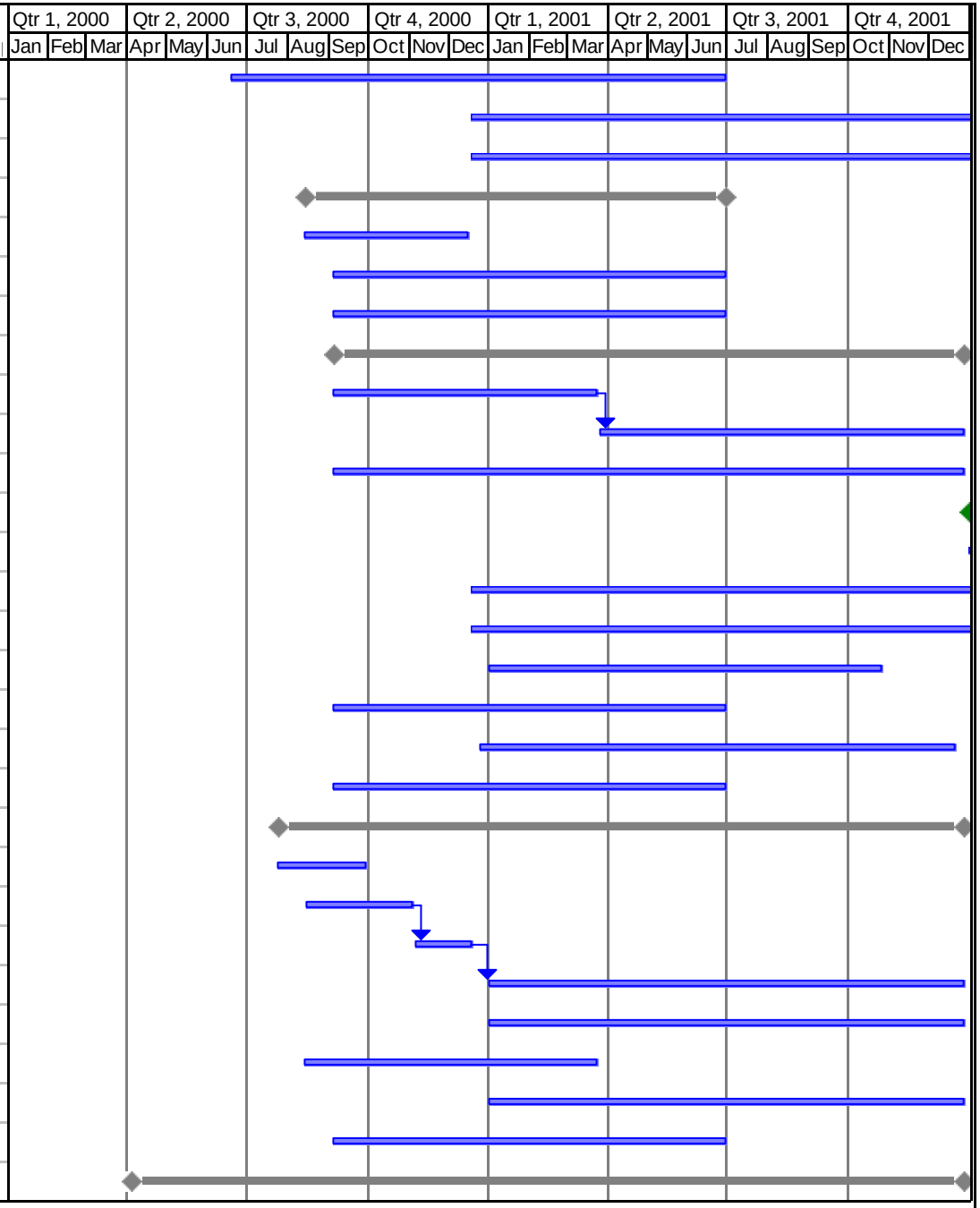
ID	Name	Splitable	Resource Na	TSG Ap	WG Ap
30	(Copy) Node B synchronisation for TDD	No	WG RAN1	Yes	Yes
31	Improvement of inter-frequency and inter-system m	No	WG RAN1	Yes	Yes
32	**Base station classification**	**No**	**WG RAN4**	**Yes**	**Yes**
33	FDD Base station classification	No	WG RAN4	Yes	Yes
34	TDD Base station classification	No	WG RAN4	Yes	Yes
35	Hybrid ARQ II/III	No	WG RAN2	Yes	Yes
36	Improved usage of downlink resource in FDD for CC	No	WG RAN2	Yes	Yes
37	Terminal Power Saving features	No	WG RAN1	Yes	Yes
38	UTRA repeater specification (master)	No	WG RAN4	Yes	Yes
39	DSCH power control improvement in soft handover	No	WG RAN1	No	No
40	UMTS 1800	No	WG RAN4	No	No
41	FS on Radio link performance enhancements	No	WG RAN1	Yes	Yes
42	FS on High Speed downlink packet access	No	WG RAN2	Yes	Yes
43	FS on USTS	No	WG RAN1	Yes	Yes
44	FS on improved common DL channel for Cell-FACH	No	WG RAN2	Yes	Yes
45	FS on UE antenna efficency test method performan	No	WG RAN4	No	No
46	Conformance Test Spec. Rel4 improvements in Rac	No	WG T1	No	No
47	**Low Chip Rate TDD option**	**No**	**WG RAN1**	**Yes**	**Yes**
48	Physical layer	No	WG RAN1	Yes	Yes
49	Layer 2 and layer 3 protocol aspects	No	WG RAN2	Yes	Yes
50	RF radio transmission/reception, system performan	No	WG RAN4	Yes	Yes
51	UE radio access capability	No	WG RAN2	Yes	Yes
52	Iub/Iur protocol aspects	No	WG RAN3	Yes	Yes
53	Testing	No		No	No
54	Conformance tests for Low Chip Rate TDD	No	WG T1	No	No
55	Protocol Conformance tests for Low Chip Rate TDD	No	WG T1	No	No
56	**RAN improvements**	**Yes**	**TSG RAN**	**Yes**	**Yes**
57	Smart antenna	No	WG RAN1	Yes	Yes
58	RRM optimization for Iur and Iub	No	WG RAN3	Yes	Yes



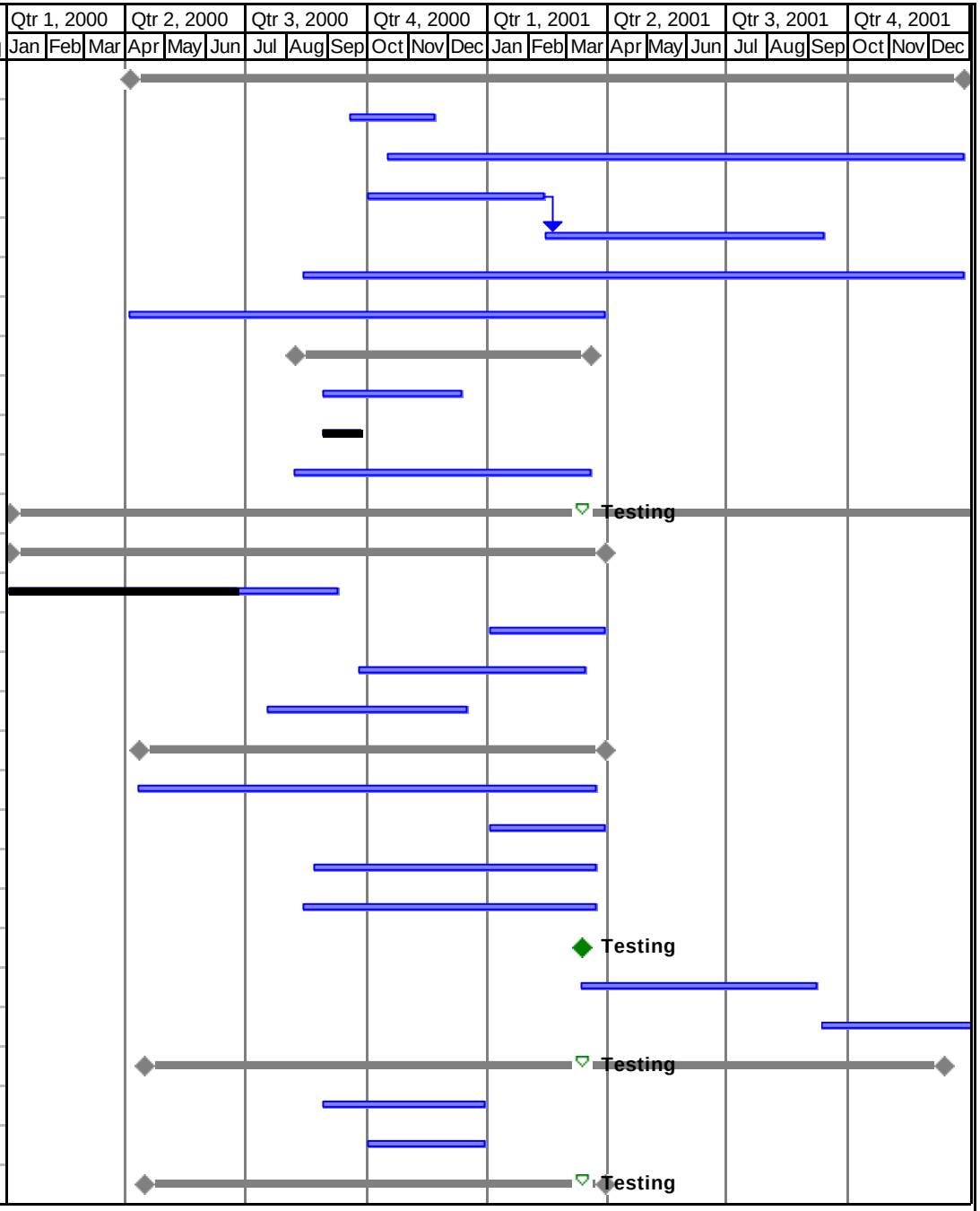
ID	Name	Splitable	Resource Na	TSG Ap	WG Ap
59	Node B synchronisation for TDD (Master)	No	WG RAN1	Yes	Yes
60	Radio access bearer support enhancement	No	WG RAN2	Yes	Yes
61	Header compression removal/stripping in the RAN	No	TSG RAN	No	No
62	Unequal error protection in PS domain in the RAN	No	TSG RAN	No	No
63	Testing	No	WG T1	No	No
64	UE Conformance Test Spec. Rel4 RAN improvement	No	WG T1	No	No
65	UE Conformance Test Spec.TTCN Rel4 RAN improv	No	WG T1	No	No
66	RAN technical small enhancements and improvements	No	WG RAN4	No	No
67	**Provisioning of IP-based multimedia services**	**No**	**WG SA1**	**Yes**	**Yes**
68	**Call control and roaming to support IP-based**	**No**	**WG SA2**	**Yes**	**Yes**
69	Stage 1	No	WG SA1	No	No
70	Stage 2 (Architecture and Main flows)	No	WG SA2	Yes	Yes
71	FS on Impacts on HSS	No	WG CN4	No	No
72	Stage 2 detailed call flows	No	WG CN1	No	No
73	Stage 3 for basic calls	No	WG CN1	No	No
74	SIP over Gm reference point (CSCF – UE)	No	WG CN1	No	No
75	**SIP interactions with the Rel4 Supl Servic**	**No**	**WG CN1**	**No**	**No**
76	Check if any	No	WG SA1	No	No
77	Stage 3 if applicable	No	WG CN1	No	No
78	SIP SS and relationship to Mg, Mw and Cx	No	WG CN4	No	No
79	**Multimedia Capabilities**	**No**	**WG CN1**	**No**	**No**
80	Terminal capabilities	No	WG CN1	No	No
81	Terminal capabilities and Interactions on ru	No	WG T2	No	No
82	Network capabilities	No	WG CN1	No	No
83	Network capabilities (N4 aspects)	No	WG CN4	No	No
84	**CSCF – HSS (Cx) applications and service**	**No**	**WG SA2**	**No**	**No**
85	Stage 2 flows	No	WG SA2	No	No
86	Stage 2 flows (N4) (see note)	No	WG CN4	No	No
87	Impacts from CAMEL	No	WG CN4	No	No



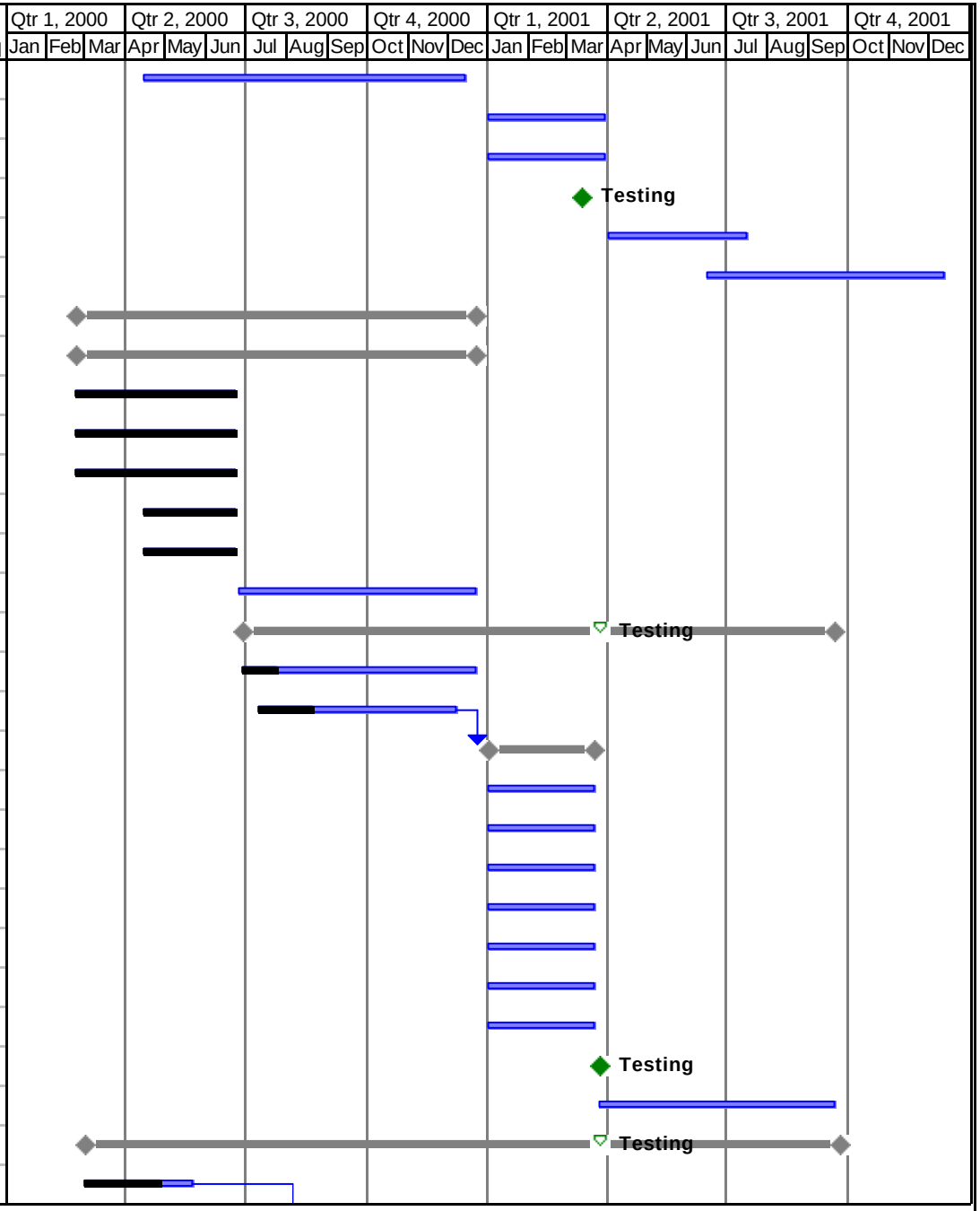
ID	Name	Splitable	Resource Na	TSG Ap	WG Ap
88	Impact on Camel Stage 3	No	WG CN2	No	No
89	Impact on MAP	No	WG CN4	No	No
90	Stage 3 protocol on Cx	No	WG CN4	No	No
91	**Addressing, Identities**	**No**	**WG SA2**	**No**	**No**
92	Architectural issues	No	WG SA2	No	No
93	Impact on HSS	No	WG CN4	No	No
94	Interworking	No	WG CN3	No	No
95	**SIP interworking with other multimedia p**	**No**	**WG CN3**	**No**	**No**
96	Requirements	No	WG SA1	No	No
97	Impact on MM/CC/SM	No	WG CN1	No	No
98	Interworking with external networks	No	WG CN3	No	No
99	Testing	No		No	No
100	UE Conformance Tests for IP-Based MM services	No	WG T1	No	No
101	Access Security for IP-multimedia services	No	WG SA3	Yes	Yes
102	Lawful interception	No	WG SA3	No	No
103	RAN improvements and evolution of the bearers on	No	TSG RAN	No	No
104	(Copy1) Ensure reliable QoS for PS domain and IM	No	WG SA2	No	No
105	Billing, charging and management aspects for IP-bas	No	WG SA5	No	No
106	(Copy) AMR-WB	No	WG SA4	No	No
107	**Roaming between IP multimedia and CS dom**	**No**	**WG CN4**	**No**	**No**
108	Roaming requirements	No	WG SA1	Yes	Yes
109	Stage 2	No	WG SA2	Yes	Yes
110	Stage 2 review	No	WG CN4	No	No
111	Internetwork roaming aspects	No	WG CN3	Yes	Yes
112	MExE and MMS interactions	No	WG T2	Yes	No
113	Support of VHE/OSA by Rel4 network entities and p	No	WG CN5	Yes	Yes
114	Number portability in IM subsystem	No	WG CN4	No	No
115	Transparent End-to-End Packet switched mobile streamii	No	WG SA4	Yes	Yes
116	**Emergency call enhancements**	**Yes**	**WG CN1**	**No**	**Yes**



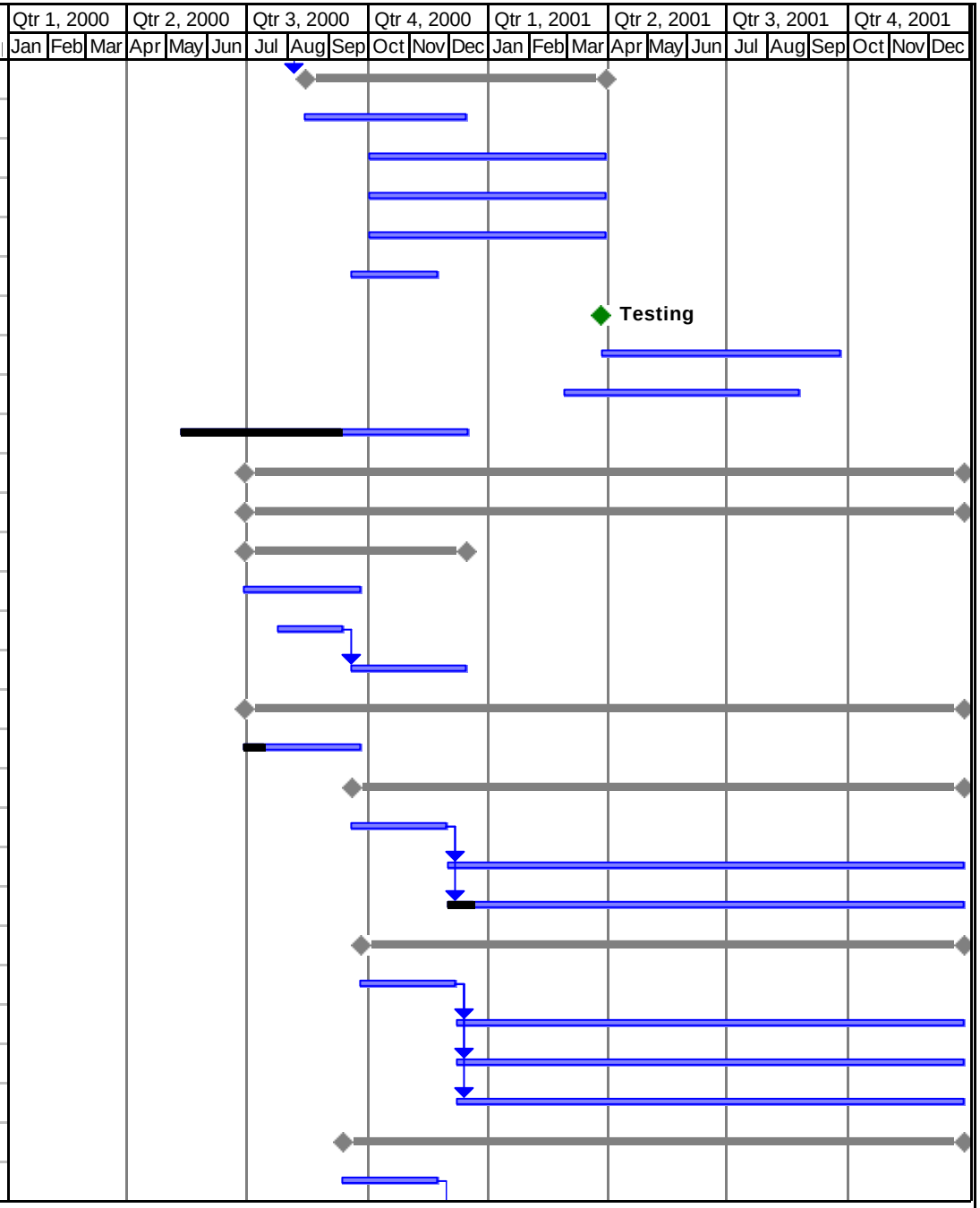
ID	Name	Splitable	Resource Na	TSG Ap	WG Ap
117	**For IP & PS based calls**	**No**	**WG CN1**	**Yes**	**Yes**
118	Service Requirements for IP-based emergency	No	WG SA1	No	No
119	SIP emergency calls and packet emergency ca	No	WG CN1	No	No
120	Stage 2 for emergency calls and packet emerg	No	WG SA2	No	No
121	Distinction of emergency call types to different	No	WG CN4	No	No
122	Stage 3 for emergency calls and packet emerg	No	WG CN1	No	No
123	(Copy2) Ensure reliable QoS for PS domain an	No	WG SA2	No	No
124	**For CS based calls**	**No**	**WG CN1**	**Yes**	**Yes**
125	Distinction in CS domain of emergency call typ	No	WG SA1	No	No
126	Distinction in CS domain of emergency calls to	No	WG CN1	No	No
127	Emergency call recalling capability enhanceme	No	WG CN1	No	No
128	**Enable bearer independent CS architecture**	**No**	**WG SA2**	**Yes**	**Yes**
129	**Enable bearer-independent call control**	**No**	**WG CN4**	**No**	**Yes**
130	Architecture and Stage 2 description on 23.82	No	WG SA2	No	No
131	Standardisation of protocols (control & user pl	No	WG CN3	No	No
132	Standardisation of protocols over reference pc	No	WG CN4	No	No
133	Standardisation of detailed stage 2 description	No	WG CN4	No	Yes
134	**Bearer control between MSC server and**	**No**	**WG CN4**	**No**	**No**
135	stage 3 - protocol issues	No	WG CN4	No	No
136	stage 3 - parameter value issues	No	WG CN3	No	No
137	Lawful interception	No	WG SA3	No	No
138	Bearer Independence and codec control issues	No	WG SA4	No	No
139	Testing	No		No	No
140	UE Conformance test spec., Bearer independent CS	No	WG T1	No	No
141	UE Conformance test spec., Bearer independent CS	No	WG T1	No	No
142	**CS multimedia services**	**No**	**WG SA2**	**No**	**No**
143	Stage 1	No	WG SA1	No	No
144	Stage 2	No	WG SA2	No	No
145	**Circuit-switched multimedia swap and fallbac**	**No**	**WG CN3**	**Yes**	**No**



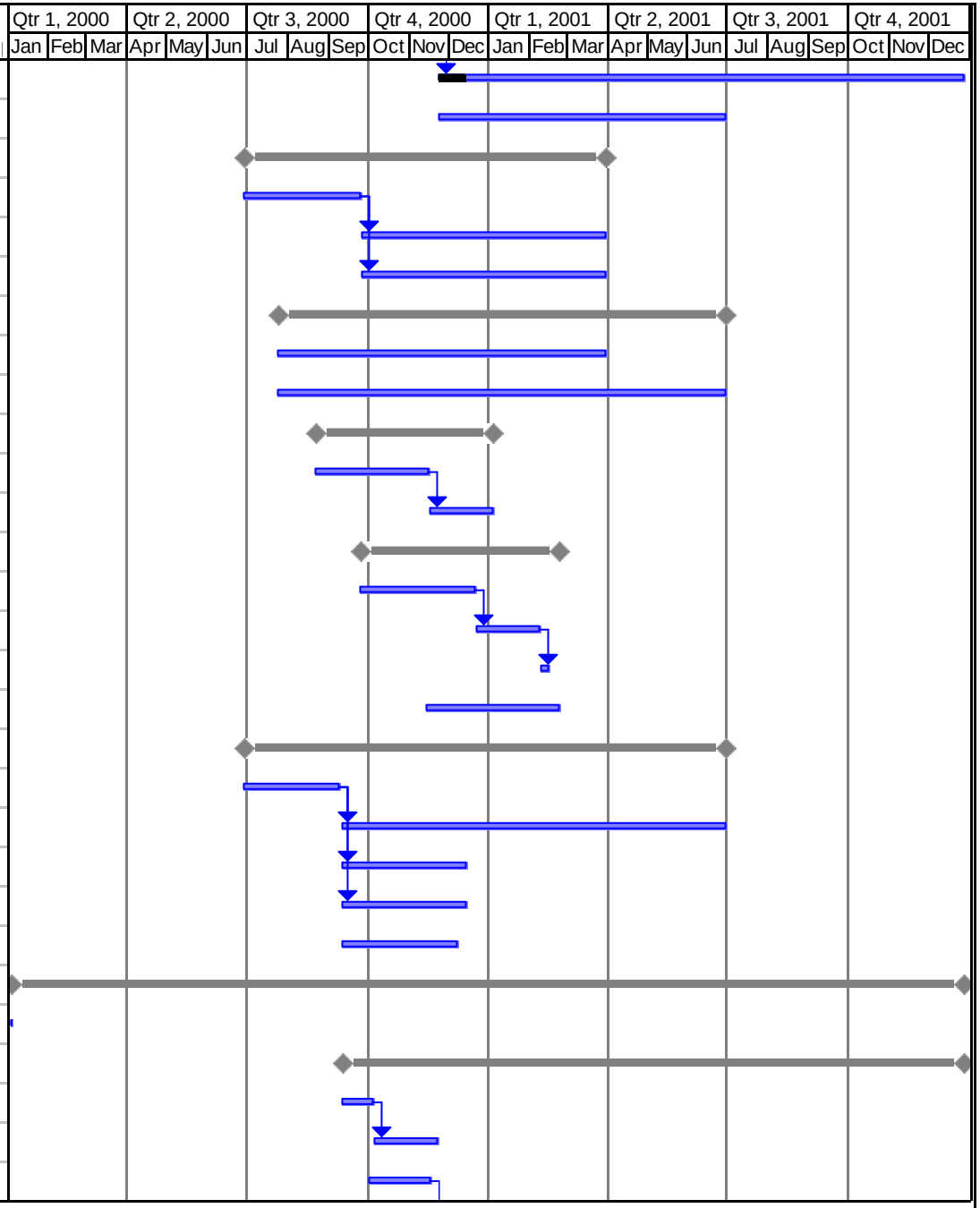
ID	Name	Splitable	Resource Na	TSG Ap	WG Ap
146	Call control and signalling aspects	No	WG CN1	No	No
147	Transport aspects	No	WG CN3	No	No
148	inband signalling	No	WG CN3	No	No
149	Testing	No		No	No
150	UE Conformance test spec. CS multimedia services,	No	WG T1	No	No
151	UE Conformance test spec. CS multimedia services,	No	WG T1	No	No
152	**Facsimile**	**No**	**WG SA1**	**Yes**	**Yes**
153	**Real Time Fax**	**No**	**WG SA2**	**No**	**No**
154	Terminal capabilities, AT commands	No	WG T2	No	No
155	Signalling aspects (e.g. ICM)	No	WG CN1	No	No
156	Service provision	No	WG CN3	No	No
157	Review whether service/stage 1 aspects need	No	WG SA1	No	No
158	Review whether architecture/stage 2 aspects	No	WG SA2	No	No
159	UE Conformance test spec. Fax, Protocol	No	WG T1	No	No
160	**Global Text telephony**	**No**	**WG SA2**	**Yes**	**Yes**
161	Stage 1	No	WG SA1	No	No
162	Stage 2	No	WG SA2	No	No
163	**Activation and transport**	**No**	**WG SA2**	**No**	**No**
164	SIP and H.324 Activation and transport	No	WG SA2	No	No
165	Data Channel Activation and transport	No	WG SA2	No	No
166	Voice Channel Activation and transport	No	WG SA4	No	No
167	Selection of transport method	No	WG SA2	No	No
168	Interworking	No	WG CN3	No	No
169	Terminal Aspects	No	WG T2	Yes	No
170	USIM Aspects	No	WG T3	No	No
171	Testing	No		No	No
172	UE Conformance test spec. Global Text, Protocol	No	WG T1	No	No
173	**Bearer Modification without pre-notification**	**No**	**WG SA1**	**Yes**	**Yes**
174	Stage 1	No	WG SA1	No	No



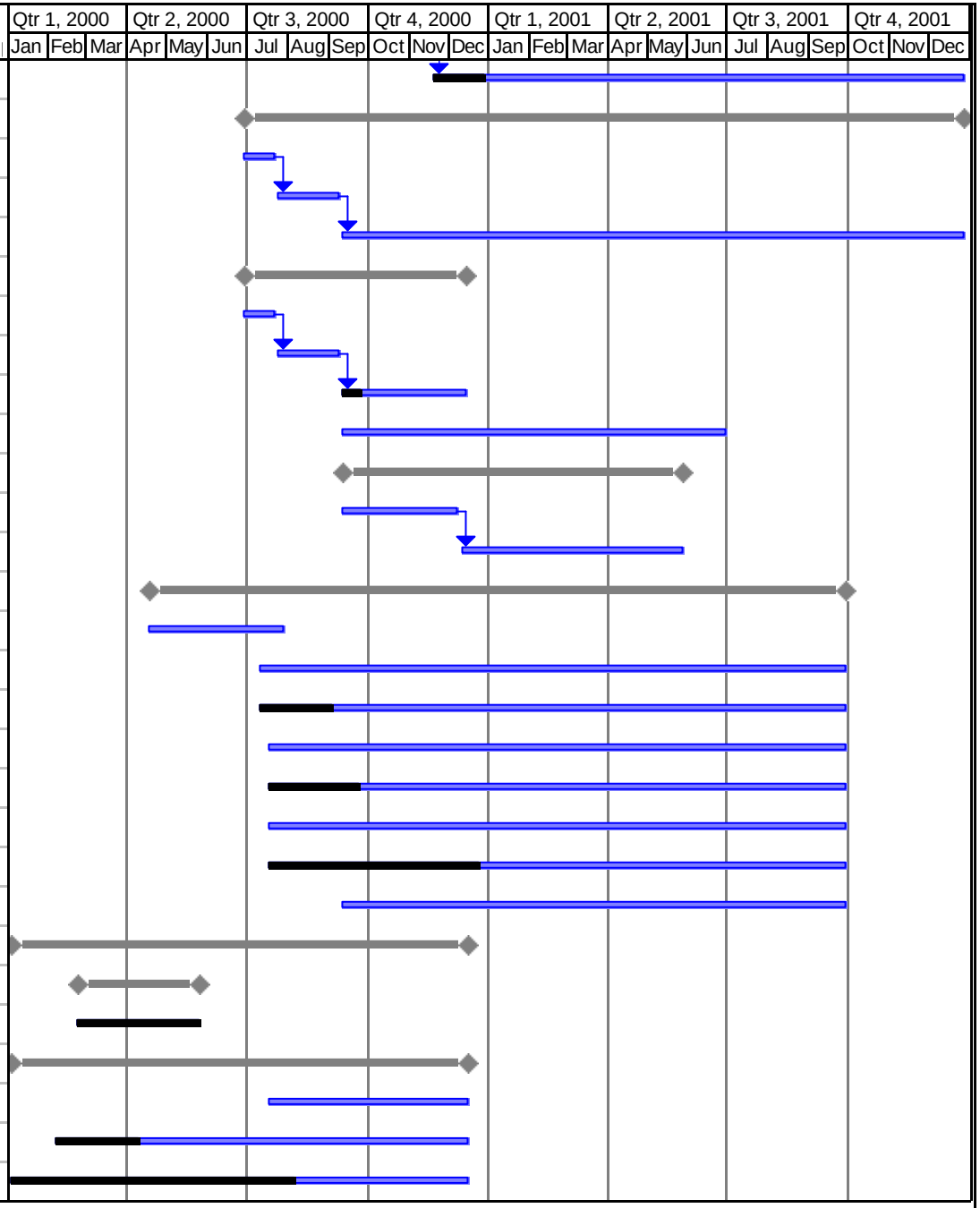
ID	Name	Splitable	Resource Na	TSG Ap	WG Ap
175	**Service Modification without pre-notification**	**No**	**WG CN3**	**Yes**	**Yes**
176	In call modify procedure	No	WG CN1	No	No
177	Interworking function, TAF	No	WG CN3	No	No
178	Out of band Transcoder Control	No	WG CN4	No	No
179	AT commands	No	WG T2	No	No
180	Bearer Modification because of radio conditions	No	WG SA2	No	No
181	Testing	No		No	No
182	UE Conformance test spec. Bearer modification, Prc	No	WG T1	No	No
183	UE Conformance test spec. Bearer modification, TTC	No	WG T1	No	No
184	FS on Push Services	No	WG SA2	No	No
185	**VHE**	**Yes**	**WG SA1**	**Yes**	**Yes**
186	**Evolution of VHE concepts (Master)**	**Yes**	**WG SA2**	**No**	**No**
187	**Evolution of VHE within the PS and CS Dor**	**No**	**WG SA2**	**No**	**No**
188	Stage 1	No	WG SA1	No	No
189	Stage 2	No	WG SA2	No	No
190	Terminal impacts	No	WG T2	No	No
191	**Introduction of VHE within the IM subsys**	**No**	**WG SA2**	**No**	**No**
192	Stage 1	No	WG SA1	No	No
193	**Interaction between SIP and VHE/OSA**	**No**	**WG SA2**	**No**	**No**
194	Stage 2	No	WG SA2	No	No
195	Stage 3 -MM/CC aspects	No	WG CN1	No	No
196	Stage 3 -other aspects	No	WG CN5	No	No
197	**Interaction between HSS and gsmSCF**	**No**	**WG SA2**	**No**	**No**
198	Stage 2	No	WG SA2	No	No
199	Stage 3 -MM/CC aspects	No	WG CN1	No	No
200	Stage 3 - MAP aspects	No	WG CN4	No	No
201	Stage 3 -other aspects	No	WG CN5	No	No
202	**Interaction between Multi Media netv**	**No**	**WG SA2**	**No**	**No**
203	Stage 2	No	WG SA2	No	No



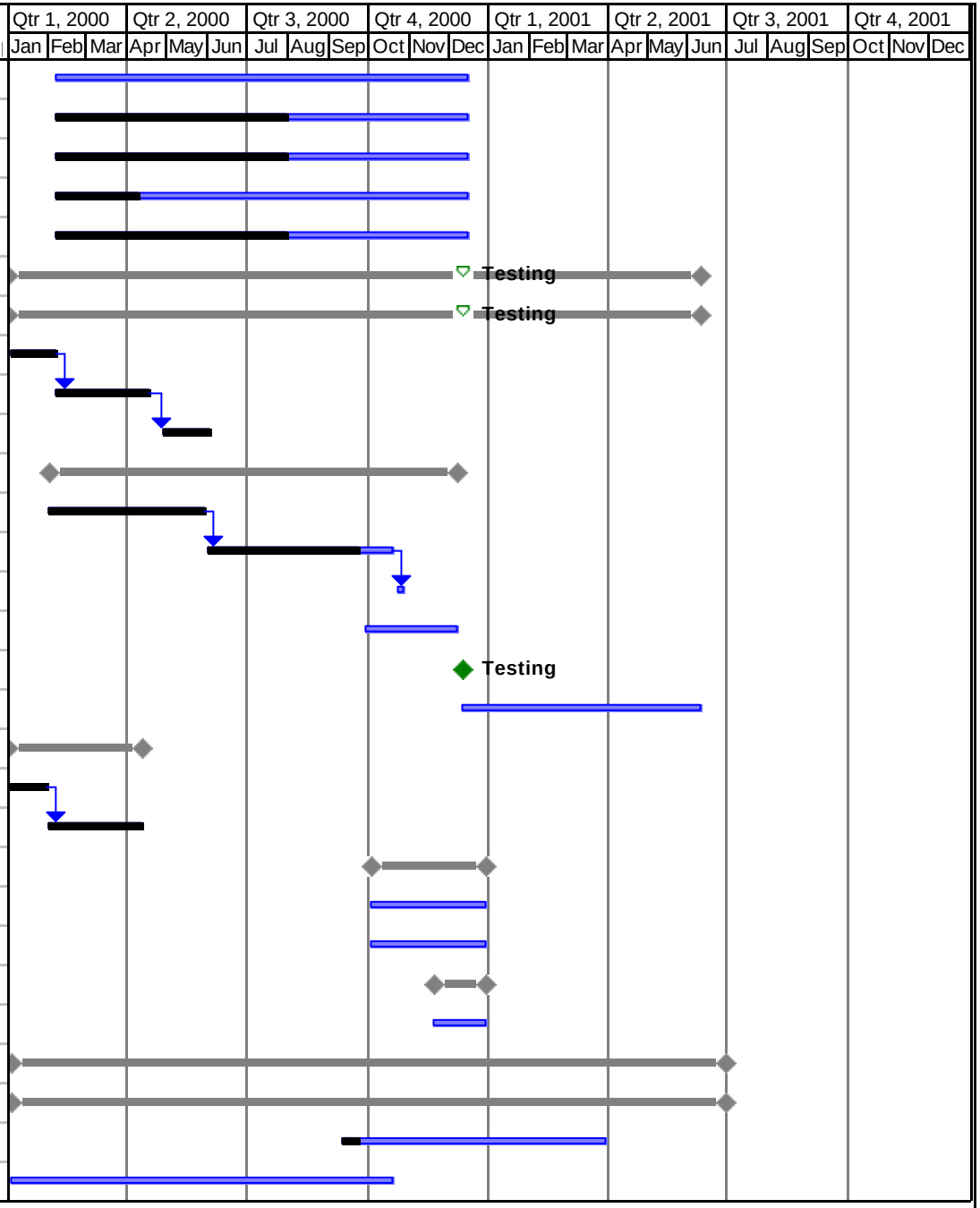
ID	Name	Splitable	Resource Na	TSG Ap	WG Ap
204	Stage 3	No	WG CN5	No	No
205	User Profile Management, User Profile Ac	No	WG CN5	No	No
206	**Service Continuity**	**No**	**WG SA2**	**No**	**No**
207	Definition and requirements on VHE within a sin	No	WG SA1	No	No
208	VHE architecture within a single domain	No	WG SA2	No	No
209	VHE interworking between domains	No	WG SA2	No	No
210	**Personal Service Environment (PSE), user pr**	**No**	**WG SA2**	**No**	**No**
211	PSE architecture (e.g. HSS) and interfaces	No	WG SA2	No	No
212	User Profiles definition	No	WG CN4	No	No
213	**Interaction between VHE Toolkits**	**No**	**WG SA2**	**No**	**No**
214	Stage 1	No	WG SA1	No	No
215	Stage 2	No	WG SA2	No	No
216	**VHE security**	**No**	**WG SA3**	**No**	**No**
217	Requirements	No	WG SA1	No	No
218	Architecture definition for the different VHE toc	No	WG SA2	No	No
219	Review of architecture	No	WG SA3	No	No
220	(possibly) changes required from supporting pla	No	WG SA3	No	No
221	**OSA security**	**No**	**WG SA3**	**Yes**	**Yes**
222	Technical requirements	No	WG SA2	No	No
223	Stage 3	No	WG SA3	No	No
224	security related SCF(s) definition	No	WG CN5	No	No
225	(possibly) changes required from supporting pla	No	WG SA3	No	No
226	impact on terminal	No	WG T2	No	Yes
227	**OSA**	**No**	**WG SA1**	**Yes**	**No**
228	(Copy) Evolution of VHE concepts	No		No	No
229	**Network Service Capability Features (N-SCFs)**	**No**	**WG SA2**	**No**	**No**
230	User requirements for the OSA N-SCFs	No	WG SA1	No	No
231	Specify the selection of SCFs within the netwc	No	WG SA2	No	No
232	Technical requirements for the OSA N-SCFs	No	WG SA2	No	No



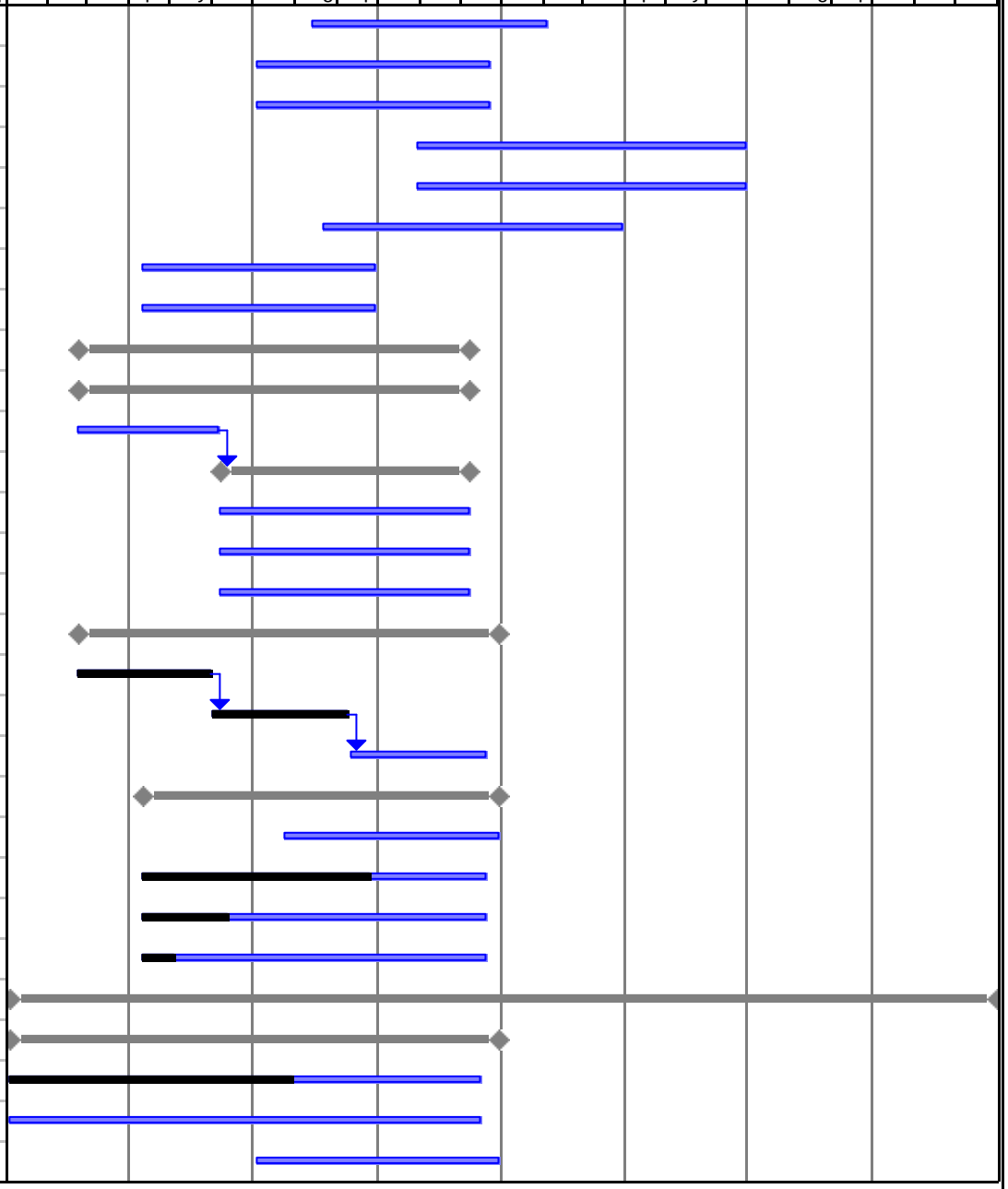
ID	Name	Splitable	Resource Na	TSG Ap	WG Ap
233	OSA APIs	No	WG CN5	No	No
234	**internal OSA APIs**	**No**	**WG SA2**	**No**	**No**
235	User requirements	No	WG SA1	No	No
236	Technical requirements	No	WG SA2	No	No
237	Stage 3	No	WG CN5	No	No
238	**Enhancement of the Framework Service Capa**	**No**	**WG SA2**	**No**	**No**
239	User requirements	No	WG SA1	No	No
240	Technical requirements	No	WG SA2	No	No
241	Stage 3	No	WG CN5	No	No
242	Harmonisation/co-ordination with non UMTS related	No	WG CN5	No	No
243	**LCS application interfaces (LCS-OSA) (Master**	**No**	**WG SA1**	**No**	**No**
244	Service description	No	WG SA1	No	No
245	Stage 2	No	WG SA2	No	No
246	**CAMEL phase 4**	**No**	**WG SA1**	**No**	**No**
247	Service requirements	No	WG SA1	No	No
248	Charging notification to the CSE	No	WG CN2	No	No
249	Call Party Handling	No	WG CN2	No	No
250	Mid call procedure for MO and MT calls	No	WG CN2	No	No
251	Interactions with Optimal Routing	No	WG CN2	No	No
252	Inclusion of flexible tone injection	No	WG CN2	No	No
253	CSE control over MT SMS	No	WG CN2	No	No
254	CAMEL applicability to media streams like VoIP	No	WG CN2	No	No
255	**MExE**	**Yes**	**WG T2**	**Yes**	**Yes**
256	**MExE Security**	**No**	**WG SA3**	**No**	**Yes**
257	Terminal aspects	No	WG T2	No	No
258	**MExE Improvements and Investigations**	**No**	**WG T2**	**Yes**	**No**
259	Stage 3	No	WG SA3	No	No
260	Support of the Terminal parts of the VHE /User	No	WG T2	Yes	No
261	3rd MExE classmark	No	WG T2	Yes	No



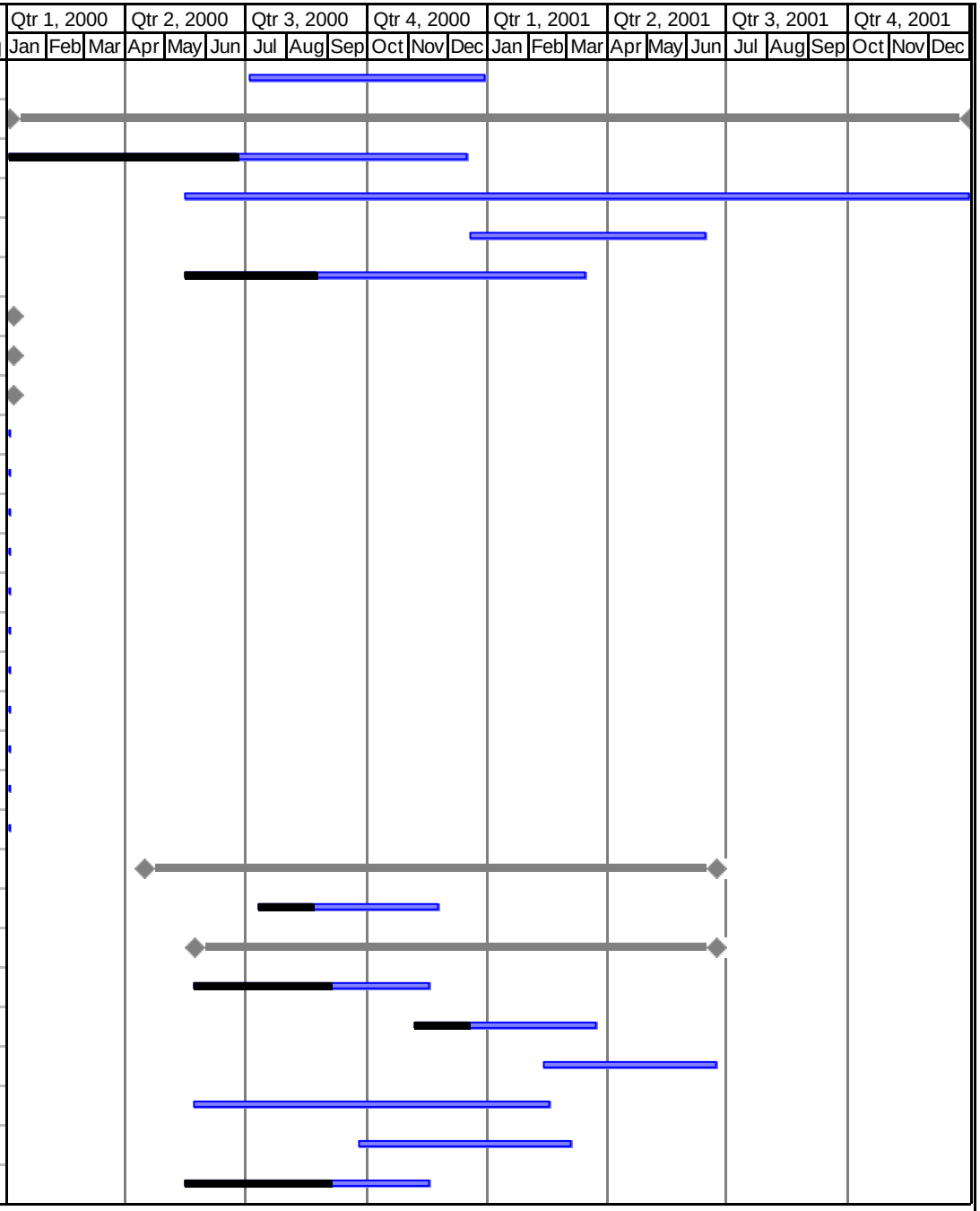
ID	Name	Splitable	Resource Na	TSG Ap	WG Ap
262	FS on AT command support	No	WG T2	Yes	No
263	FS on Secure download mechanism and capat	No	WG T2	Yes	No
264	FS on Support of MP3/MPEG4 content	No	WG T2	Yes	No
265	FS on Support of SAT/OSA/CAMEL interaction	No	WG T2	Yes	No
266	Enhanced security	No	WG T2	Yes	No
267	**Wideband Telephony Service - AMR (Master)**	**No**	**WG SA4**	**Yes**	**No**
268	**Specification**	**No**	**WG SA4**	**No**	**No**
269	Design Constraints	No	WG SA4	No	No
270	General Description	No	WG SA4	No	No
271	Feasibility Study	No	WG SA4	Yes	No
272	**Codec issues**	**No**	**WG SA4**	**No**	**No**
273	Codec qualification	No	WG SA4	Yes	No
274	Codec selection tests	No	WG SA4	No	No
275	Codec selection	No	WG SA4	No	No
276	Other codec issues	No	WG SA4	No	No
277	Testing	No		No	No
278	Conformance tests (CRs to 34 series)	No	WG T1	No	No
279	**Terminal Acoustic Characteristics**	**No**	**WG SA4**	**No**	**No**
280	Definition	No	WG SA4	Yes	No
281	Test specification	No	WG SA4	Yes	No
282	**Implementation**	**No**	**WG SA4**	**No**	**No**
283	In UTRAN	No	TSG RAN	No	No
284	In GERAN	No	TSG GERAN	No	No
285	**In CN**	**No**	**TSG CN**	**No**	**No**
286	Impact on N1, see notes	No	WG CN1	No	No
287	**Transcoder-Free Operation (TrFO)**	**No**	**TSG CN**	**No**	**No**
288	**OoBTC solution**	**No**	**WG CN4**	**No**	**Yes**
289	implementation in UTRAN	No	WG RAN3	Yes	Yes
290	Impact on architecture, Principles and Terminol	No	WG SA2	No	No



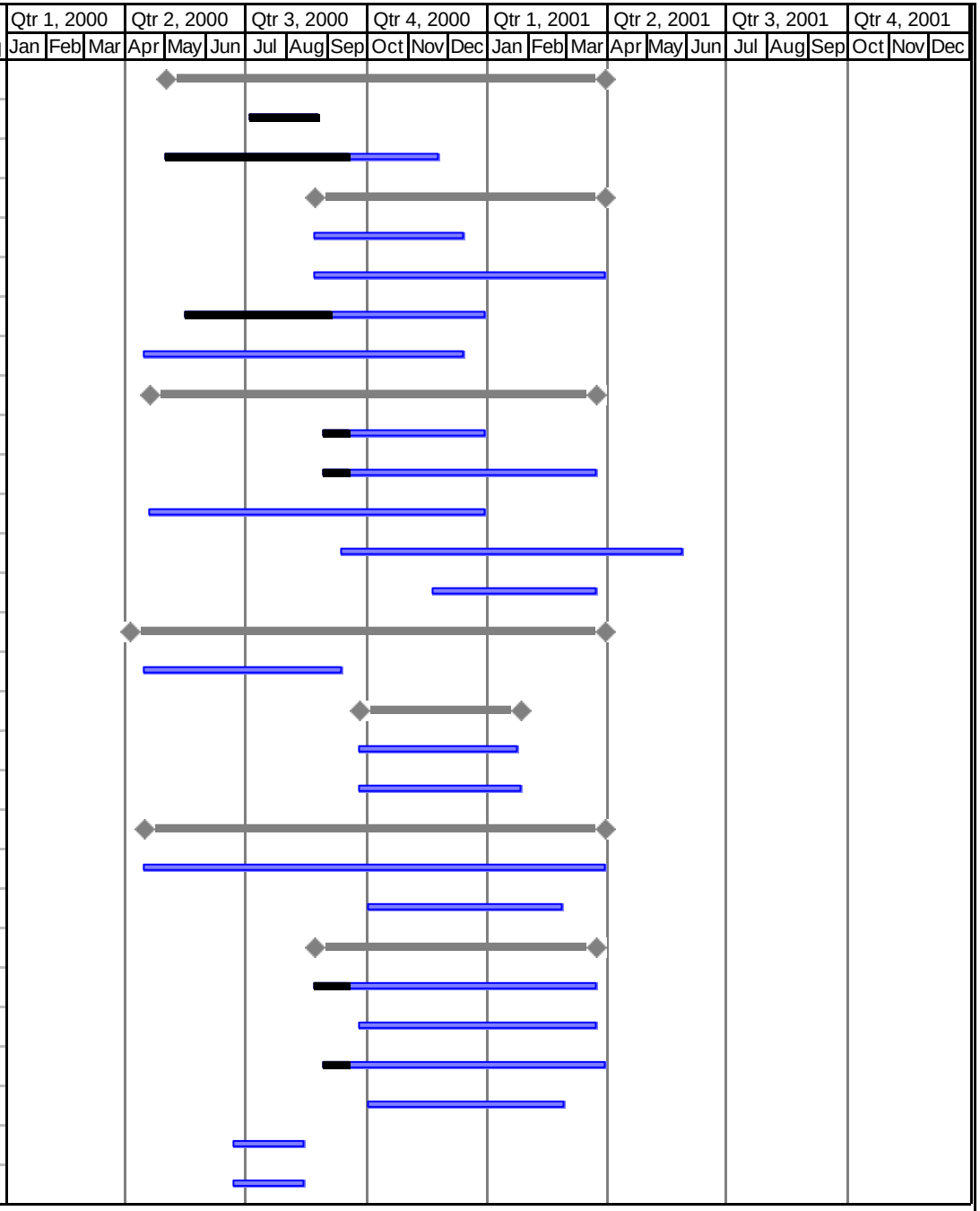
ID	Name	Splitable	Resource Na	TSG Ap	WG Ap
291	Codec Negotiation between UE and MSC	No	WG CN1	Yes	No
292	Codec Negotiation inter MSC	No	WG CN4	No	No
293	Bearer establishment inter MSC	No	WG CN4	Yes	Yes
294	Bearer establishment between MSC and RNC a	No	WG RAN3	No	No
295	Notification of the Codec mode to RAN, Iu UP c	No	WG RAN3	No	No
296	Prevention of user fraud	No	WG SA3	No	No
297	Speech Transcoder: Location and Control at the UM	No	WG SA2	No	Yes
298	Transcoder at Edge	No	TSG CN	No	No
299	**Tandem Free aspects for 3G and between 2G and**	**No**	**WG SA4**	**No**	**No**
300	**Tandem Free AMR**	**No**	**WG SA4**	**No**	**No**
301	Specification	No	WG SA4	No	No
302	**Implementation**	**No**	**TSG CN**	**No**	**No**
303	in CN	No	TSG CN	No	No
304	in UTRAN	No	TSG RAN	No	No
305	in GERAN	No	TSG GERAN	No	No
306	**Multimedia Messaging**	**No**	**WG T2**	**Yes**	**No**
307	Definition of service requirements	No	WG SA1	No	No
308	Review of definition of service requirements	No	WG T2	Yes	No
309	Review of definition	No	WG T2	No	No
310	**Technical Realisation**	**No**	**WG T2**	**Yes**	**No**
311	Definition of reference Achitecture model	No	WG SA2	No	No
312	Review of definition of reference Achitecture n	No	WG T2	Yes	No
313	"Fulfill Requirements of Stage 1"	No	WG T2	Yes	No
314	Definition of MMS primitives in Stage 2	No	WG T2	Yes	No
315	**Terminal interfaces**	**Yes**	**WG T2**	**No**	**No**
316	**AT commands**	**No**	**WG T2**	**No**	**No**
317	Specification of AT commands for new service	No	WG T2	No	No
318	Alternatives to AT commands (TBD)	No	WG T2	No	No
319	UE Conformance test spec. AT command	No	WG T1	No	No



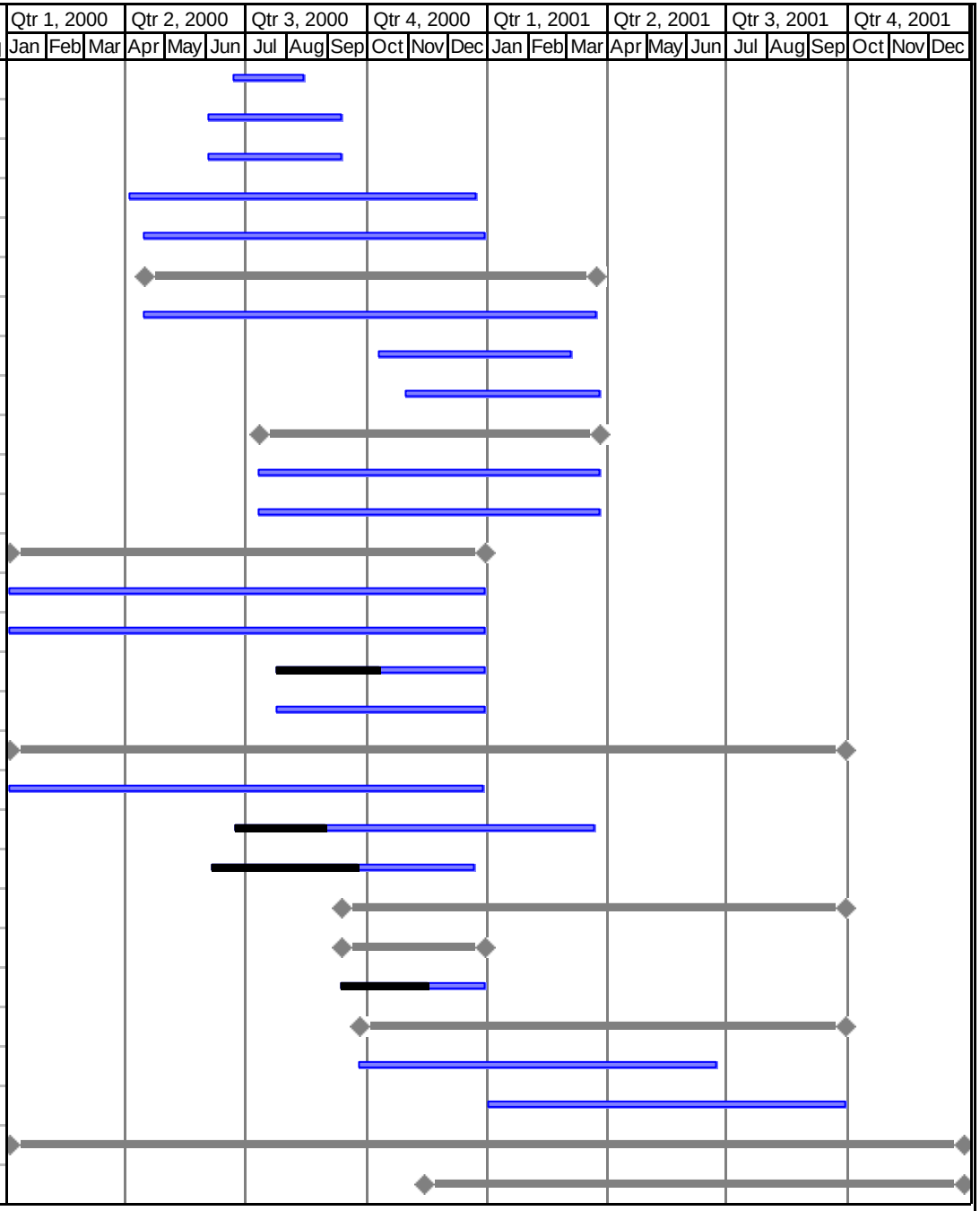
ID	Name	Splitable	Resource Na	TSG Ap	WG Ap
320	EMMI Specification (see note)	No	WG RAN2	No	No
321	**Wide Area Data Synchronisation**	**No**	**WG T2**	**No**	**No**
322	Continues evolution of Synchronisation protocc	No	WG T2	No	No
323	vObjects and Other Constructs for Use in Data	No	WG T2	Yes	No
324	UE Conformance test spec. Wide area data syı	No	WG T1	No	No
325	Terminal local model	No	WG T2	Yes	No
326	**Definition of billing, charging and management (tc**	**No**	**WG SA5**	**No**	**No**
327	**Definition of Architecture and Principles**	**No**	**WG SA5**	**No**	**No**
328	**Security Management (Key Administratioı**	**No**	**WG SA5**	**No**	**No**
329	Stage 2	No	WG SA5	No	No
330	Stage 3	No	WG SA3	No	No
331	Key Administration & Distribution	No	WG SA5	No	No
332	Co-ordination O&M messaging Specification	No	WG RAN3	No	No
333	Performance Management	No	WG SA5	No	No
334	Fault Management	No	WG SA5	No	No
335	Configuration Management	No	WG SA5	No	No
336	Charging	No	WG SA5	No	No
337	Call Cell Trace	No	WG SA5	No	No
338	GSM LCS O&M Project	No	WG SA5	No	No
339	Service Management	No	WG SA5	Yes	Yes
340	**Location Services**	**Yes**	**WG SA2**	**Yes**	**Yes**
341	FS on Geographical Area description: DEfined Geoç	No	WG SA1	No	No
342	**Event based and Periodic LCS**	**No**	**WG SA1**	**No**	**No**
343	Stage 1	No	WG SA1	No	No
344	Stage 2 specification	No	WG SA2	No	No
345	Impact on MAP	No	WG CN4	No	No
346	LCS network management in UMTS	No	WG SA5	No	No
347	New security aspects of LCS (not identified)	No	WG SA3	No	No
348	LCS support in the CS domain	No	WG SA2	No	No



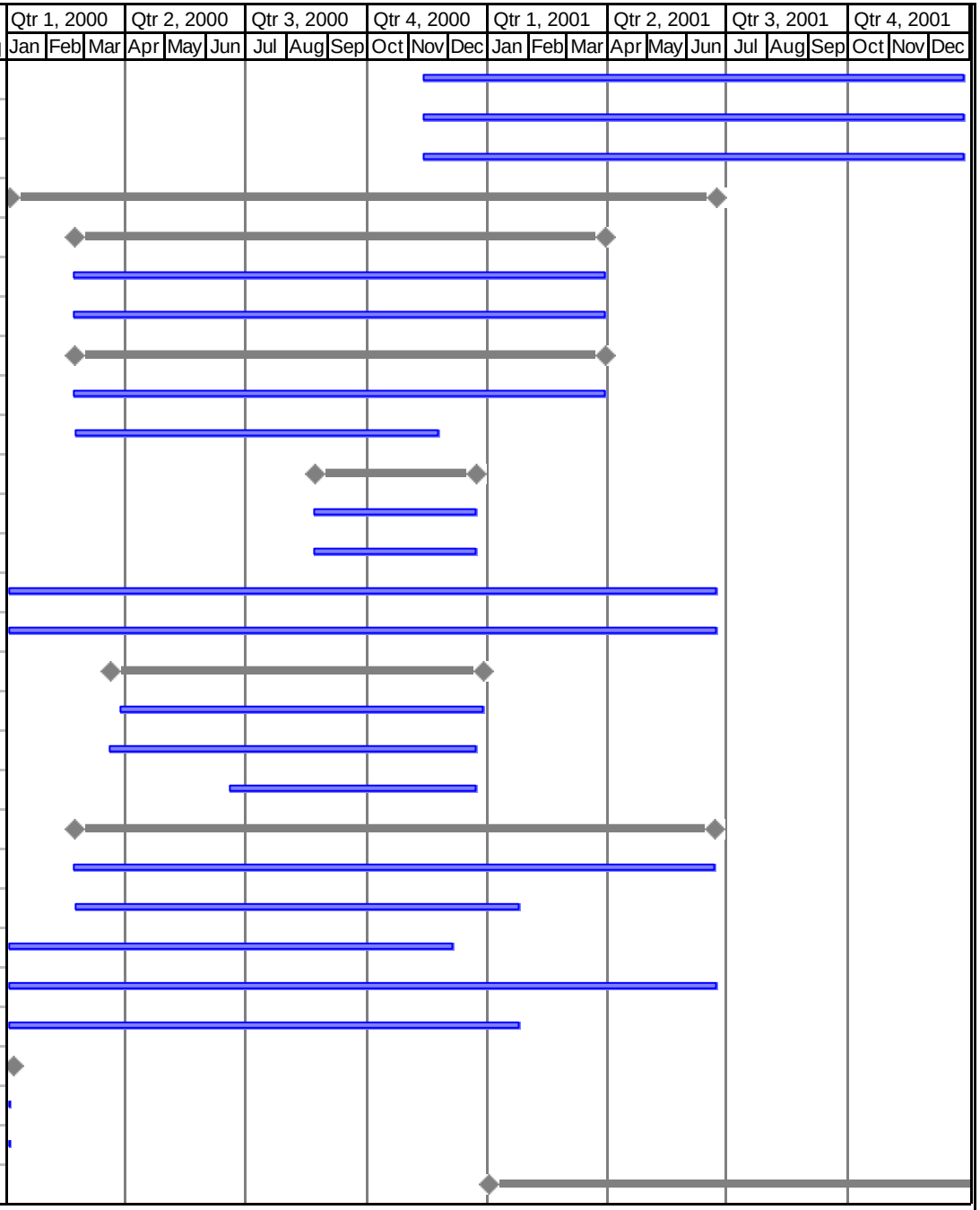
ID	Name	Splitable	Resource Na	TSG Ap	WG Ap
349	**LCS support in the PS domain**	**No**	**WG SA2**	**No**	**No**
350	Stage 1	No	WG SA1	No	No
351	Stage 2	No	WG SA2	No	No
352	**Stage 3**	**No**	**WG CN1**	**No**	**No**
353	Layer 3 LCS signaling UE (MS) -SGSN (UM	No	WG CN1	No	No
354	MAP signaling for LCS	No	WG CN4	No	Yes
355	LCS interoperation stage 2 aspects	No	WG SA2	No	No
356	MExE and CBS interactions	No	WG T2	No	No
357	**UE positioning**	**No**	**TSG RAN**	**Yes**	**Yes**
358	Iub/Iur interfaces for methods Rel 99	No	WG RAN2	Yes	No
359	UE positioning enhancements	No	WG RAN2	Yes	No
360	(Copy) UTRA repeater specification	No	WG RAN4	Yes	No
361	(Copy) LCS application interfaces (LCS-OSA)	No	WG SA1	No	No
362	FS on LCS support in the IM CN subsystem	No	WG SA1	No	No
363	**Ensure reliable QoS for PS domain and IM subsys**	**No**	**WG SA2**	**No**	**No**
364	End-to-end QoS (re)negotiation and reservation me	No	WG SA2	No	No
365	**End-to-end QoS (re)negotiation and reservati**	**No**	**WG CN1**	**No**	**No**
366	GMM and SM aspects	No	WG CN1	No	No
367	GTP aspects	No	WG CN4	No	No
368	**Mapping of end to end QoS parameters on ea**	**No**	**WG SA2**	**No**	**No**
369	Impacts on N4 documents	No	WG CN4	No	No
370	Impacts on N3 documents	No	WG CN3	No	No
371	**RAB Quality of Service (re)Negotiation ove**	**No**	**WG RAN3**	**Yes**	**Yes**
372	RAB Quality of Service Negotiation over Iu	No	WG RAN3	No	No
373	RAB Quality of Service Re-Negotiation ove	No	WG RAN3	No	No
374	PS-domain handover for real-time services (Master	No	WG RAN3	Yes	Yes
375	Interactions between external mechanisms and UM	No	WG CN3	No	No
376	Possible new code points in QoS IE from external n	No	WG CN1	No	No
377	Possible new code points in QoS IE for UMTS	No	WG CN1	No	No



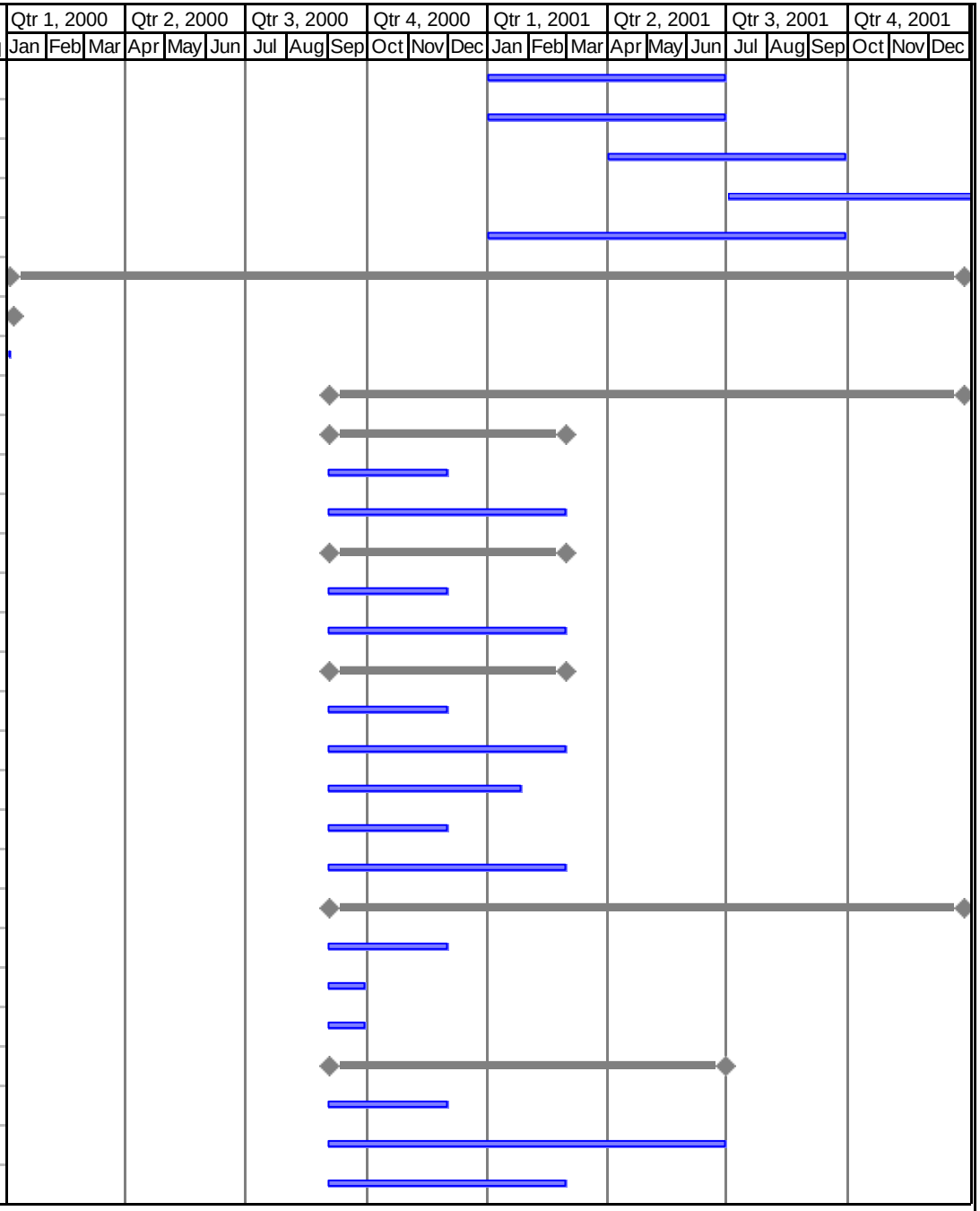
ID	Name	Splitable	Resource Na	TSG Ap	WG Ap
378	Mapping between the QoS UMTS point codes and th	No	WG CN1	No	No
379	Charging aspects	No	WG SA5	No	No
380	Security aspects	No	WG SA3	No	No
381	Application aspects, multi-mode aspects	No	WG T2	No	Yes
382	GERAN QoS Aspects	No	TSG GERAN	No	No
383	**Evolution of maximum SDU size**	**No**	**WG SA2**	**No**	**No**
384	Impacts on CN protocols (e.g., GTP, MAP)	No	WG CN4	No	No
385	Impact on interworking over GTP e.g. PPP	No	WG CN3	No	No
386	Admission control function triggers	No	WG RAN3	No	No
387	**QoS for CS services at HOs (inter-MSC and SRNS**	**No**	**WG SA2**	**No**	**No**
388	UTRAN aspects	No	WG RAN2	No	No
389	GERAN aspects	No	TSG GERAN	No	No
390	**UICC/(U)SIM enhancements and interworking**	**Yes**	**WG T3**	**No**	**No**
391	FS on UICC/ME Performance Enhancements	No	WG T3	Yes	No
392	UICC/USIM database specification	No	WG T3	Yes	Yes
393	Common PCN Handset Specification (CPHS)	No	WG T3	Yes	No
394	report on SIM/USIM Interworking	No	WG T3	Yes	Yes
395	**(U)SIM toolkit enhancements**	**Yes**	**WG T3**	**No**	**No**
396	Enhancements to (U)SIM toolkit secure messaging	No	WG T3	Yes	Yes
397	Protocol Standardisation of a SIM Toolkit Interpreter	No	WG T3	Yes	No
398	USAT local link	No	WG T3	Yes	Yes
399	**UICC API**	**Yes**	**WG T3**	**No**	**No**
400	**Java API**	**No**	**WG T3**	**No**	**No**
401	Test specification	No	WG T3	Yes	No
402	**Multos API**	**No**	**WG T3**	**Yes**	**Yes**
403	Specification	No	WG T3	Yes	Yes
404	Test specification	No	WG T3	Yes	Yes
405	**Security enhancements**	**Yes**	**WG SA3**	**No**	**No**
406	**Protection for user plane data**	**Yes**	**WG SA3**	**Yes**	**Yes**



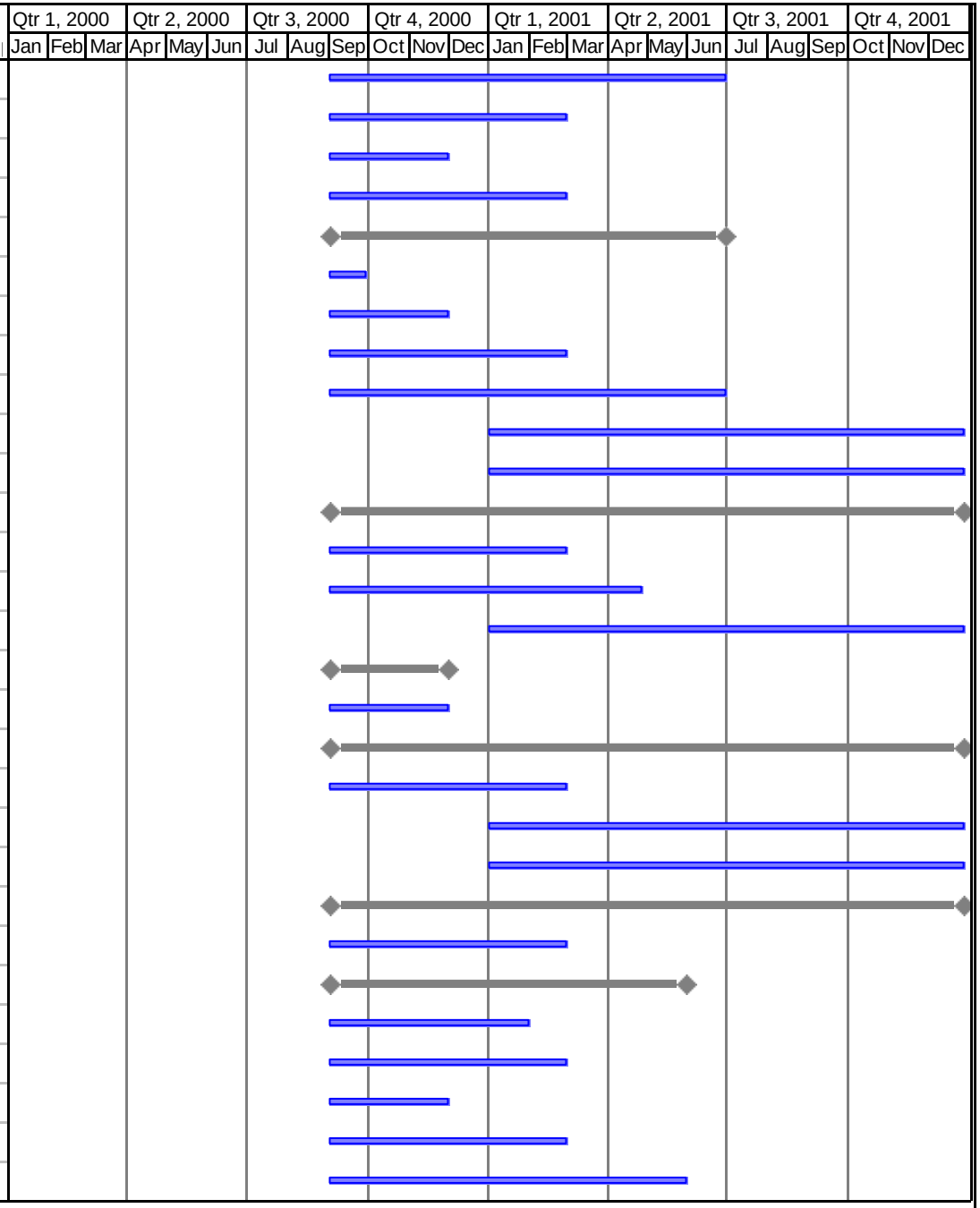
ID	Name	Splitable	Resource Na	TSG Ap	WG Ap
407	Integrity protection in access network	No	WG SA3	No	No
408	Integrity protection in core network	No	WG SA3	No	No
409	Network based end-to-end security	No	WG SA3	No	No
410	**Core network security**	**Yes**	**WG SA3**	**Yes**	**Yes**
411	**Control plane protection in core network**	**No**	**WG SA3**	**No**	**No**
412	Main aspects	No	WG SA3	No	No
413	Integration of GTP signalling security archi	No	WG CN4	No	No
414	**User plane protection in core network (e.**	**No**	**WG SA3**	**No**	**No**
415	Main aspects	No	WG SA3	No	No
416	Integration of GTP signalling security archi	No	WG CN4	No	No
417	**MAP application layer security**	**No**	**WG SA3**	**No**	**No**
418	Main aspects	No	WG SA3	No	No
419	Stage 3	No	WG CN4	No	No
420	Key management for core network security	No	WG SA3	Yes	Yes
421	Evolution of GSM CS algorithms (e.g. A5/3 deve	No	WG SA3	Yes	Yes
422	**Evolution of GSM PS algorithms (e.g. GEA**	**No**	**WG SA3**	**Yes**	**Yes**
423	Main aspects	No	WG SA3	No	No
424	Impact on GTP	No	WG CN4	No	Yes
425	GEA capability indication in MS CM	No	WG CN1	No	No
426	**GERAN Security**	**No**	**WG SA3**	**Yes**	**Yes**
427	Main aspects	No	WG SA3	No	No
428	Production of new algorithm	No	WG SA3	No	No
429	Visibility and Configurability of security	No	WG SA3	Yes	Yes
430	FIGS	No	WG SA3	No	No
431	Miscellaneous security issues	No	WG SA3	Yes	Yes
432	**Authentication Reporting**	**No**	**WG SA3**	**No**	**No**
433	Stage 2	No	WG SA3	No	No
434	FS on Network impacts	No	WG CN4	No	No
435	**Miscelleneous UE Conformance Testing Activities**	**Yes**	**WG T1**	**No**	**No**



ID	Name	Splitable	Resource Na	TSG Ap	WG Ap
436	Optimisation of Test Time, RF Aspects (FDD)	No	WG T1	No	No
437	Optimisation of Test Time, RF Aspects (TDD)	No	WG T1	No	No
438	Extensions to R99 Test cases	No	WG T1	No	No
439	Review all other work items for impact on new or e	No	WG T1	No	No
440	Additional signalling tests to cover VHE, OSA, MExE	No	WG T1	No	No
441	**GERAN definition (to be dispatched to other featu**	**Yes**	**TSG GERAN**	**No**	**No**
442	**Evolution of transport in UTRAN and GERAN**	**No**	**TSG GERAN**	**No**	**No**
443	Addition of transport mechanisms other than A	No	TSG GERAN	No	No
444	**GERAN/UTRAN interface evolution**	**No**	**TSG GERAN**	**No**	**No**
445	**Evolution of Iu ps**	**No**	**TSG GERAN**	**No**	**No**
446	Identification of GERAN requirements on Iu	No	TSG GERAN	No	No
447	Update of specifications	No	TSG GERAN	No	No
448	**Evolution of Iu cs**	**No**	**TSG GERAN**	**No**	**No**
449	Identification of GERAN requirements on Iu	No	TSG GERAN	No	No
450	Update of specifications	No	TSG GERAN	No	No
451	**Evolution of interface A**	**No**	**TSG GERAN**	**No**	**No**
452	Identification of GERAN requirements on A	No	TSG GERAN	No	No
453	Update of specifications	No	TSG GERAN	No	No
454	Low chip rate TDD for UTRAN	No	TSG GERAN	No	No
455	Gb over IP	No	TSG GERAN	No	No
456	Enhance cell reselections	No	TSG GERAN	No	No
457	**GERAN radio interface evolution**	**No**	**TSG GERAN**	**No**	**No**
458	Overall concept for GERAN	No	TSG GERAN	No	No
459	GERAN Header adaptation	No	TSG GERAN	No	No
460	GERAN Radio access bearer design	No	TSG GERAN	No	No
461	**GERAN user / control plane**	**No**	**TSG GERAN**	**No**	**No**
462	PDCP protocol design	No	TSG GERAN	No	No
463	RLC / MAC Specification	No	TSG GERAN	No	No
464	Physical layer	No	TSG GERAN	No	No



ID	Name	Splitable	Resource Na	TSG Ap	WG Ap
465	GERAN RR	No	TSG GERAN	No	No
466	Iu rg interface	No	TSG GERAN	No	No
467	Voice over GERAN PS and CS concept	No	TSG GERAN	No	No
468	GERAN Narrowband speech realization	No	TSG GERAN	No	No
469	**GERAN security**	**No**	**TSG GERAN**	**No**	**No**
470	Working assumptions for ciphering	No	TSG GERAN	No	No
471	Requirements for integrity	No	TSG GERAN	No	No
472	Modification of UTRAN specs to be v	No	TSG GERAN	No	No
473	Additional stage 3 work for GERAN	No	TSG GERAN	No	No
474	GERAN MS Conformance test for GERAN	No	TSG GERAN	No	No
475	GERAN BTS Conformance test for GERAI	No	TSG GERAN	No	No
476	**700 MHz spectrum support**	**No**	**TSG GERAN**	**No**	**No**
477	GERAN support for the 700 MHz band	No	TSG GERAN	No	No
478	GERAN MS Conformance test for 700 MH	No	TSG GERAN	No	No
479	GERAN BTS Conformance test for GERAI	No	TSG GERAN	No	No
480	**Real Time QoS for packet services includ**	**No**	**TSG GERAN**	**No**	**No**
481	HOs: maintenance of real-time QoS while	No	TSG GERAN	No	No
482	**Wideband telephony services**	**No**	**TSG GERAN**	**No**	**No**
483	Support of WB AMR in GERAN	No	TSG GERAN	No	No
484	GERAN MS Conformance test for WB AMI	No	TSG GERAN	No	No
485	GERAN BTS Conformance test for WB AM	No	TSG GERAN	No	No
486	**Location service(UMTS)**	**No**	**TSG GERAN**	**No**	**No**
487	LCS interoprability aspects to GERAN	No	TSG GERAN	No	No
488	**LCS in GERAN**	**No**	**TSG GERAN**	**No**	**No**
489	GERAN LCS stage 2	No	TSG GERAN	No	No
490	Iur-g interface support for LCS GERAN	No	TSG GERAN	No	No
491	Gb,A interface support for LCS GERAN	No	TSG GERAN	No	No
492	Iu-cs(?), Iu-ps interface support for LCS G	No	TSG GERAN	No	No
493	Radio Resource Management (for LCS GE	No	TSG GERAN	No	No



ID	Name	Splitable	Resource Na	TSG Ap	WG Ap	Qtr 1, 2000			Qtr 2, 2000			Qtr 3, 2000			Qtr 4, 2000			Qtr 1, 2001			Qtr 2, 2001			Qtr 3, 2001			Qtr 4, 2001		
						Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
494	Stage 3 specifications	No	TSG GERAN	No	No																								
495	GERAN MS Conformance test for LCS	No	TSG GERAN	No	No																								
496	GERAN BTS Conformance test for LCS	No	TSG GERAN	No	No																								

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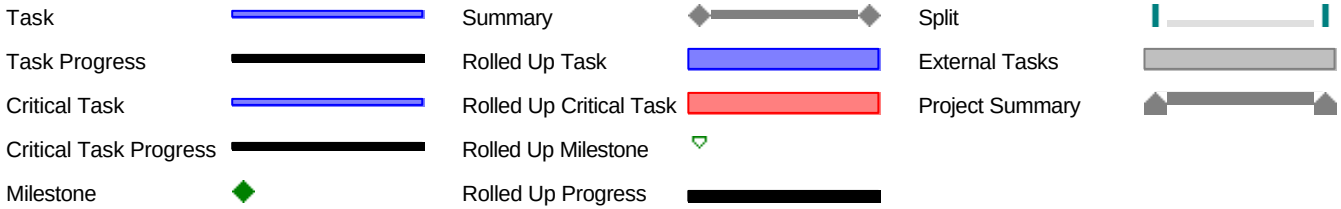
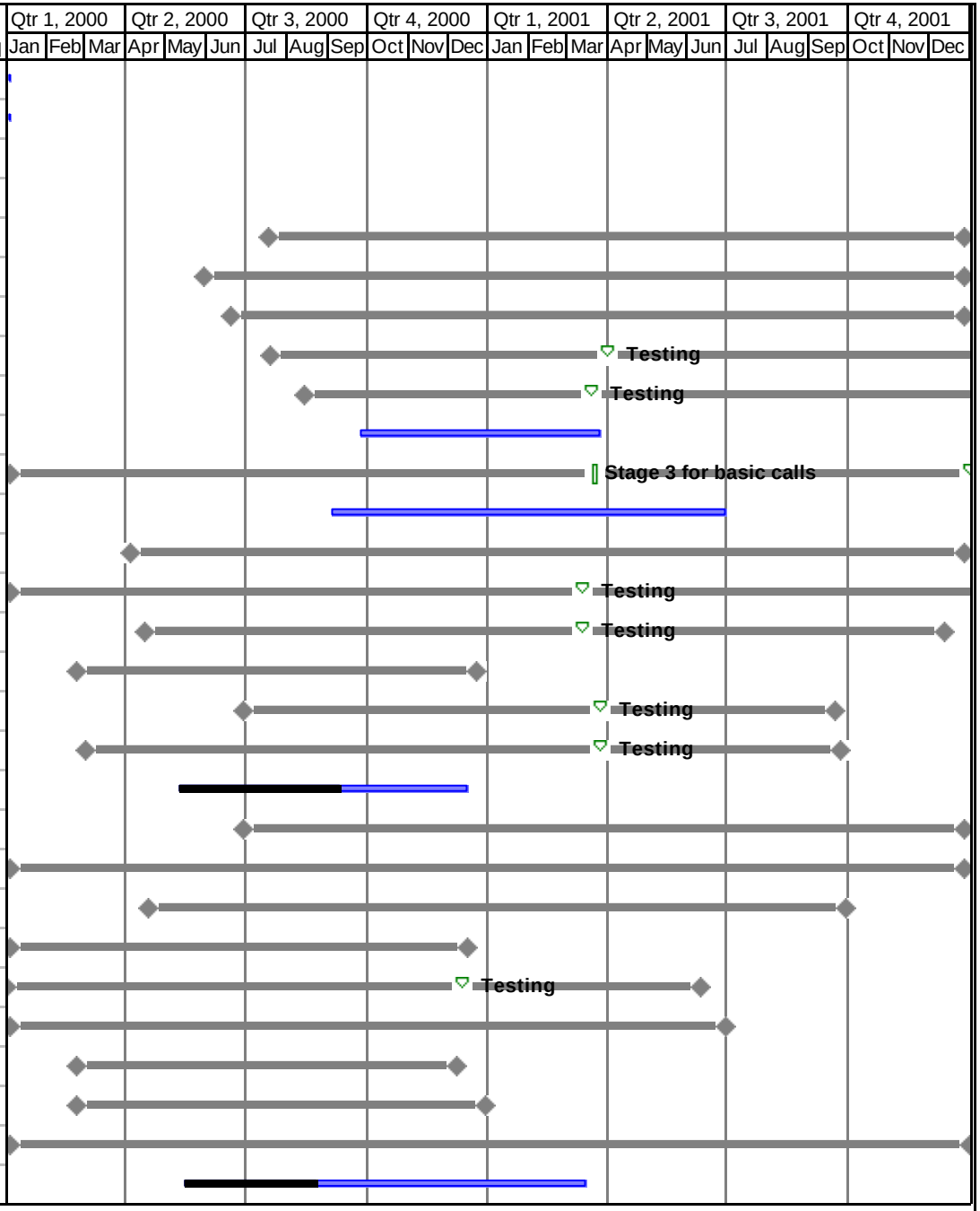
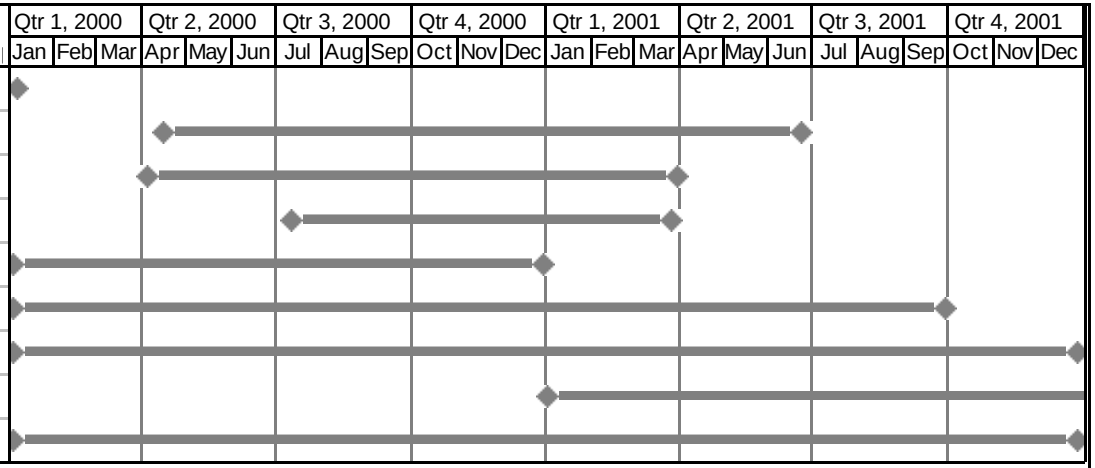


ID	Name	Splitable	Resource Na	TSG Ap	WG Ap
1	3GPP fields: indicators, Name, Ressource name, Modifie(	No		No	No
2	**"CTRL + a" to display all the 3GPP fields (move th**	No		No	No
3					
4					
5	**Evolutions of the transport in the UTRAN**	**Yes**	**TSG RAN**	**Yes**	**Yes**
15	**Evolutions of the transport in the CN**	**Yes**	**WG CN4**	**No**	**No**
29	**Improvements of Radio Interface**	**Yes**	**TSG RAN**	**Yes**	**Yes**
47	**Low Chip Rate TDD option**	**No**	**WG RAN1**	**Yes**	**Yes**
56	**RAN improvements**	**Yes**	**TSG RAN**	**Yes**	**Yes**
66	RAN technical small enhancements and improvements	No	WG RAN4	No	No
67	**Provisioning of IP-based multimedia services**	**No**	**WG SA1**	**Yes**	**Yes**
115	Transparent End-to-End Packet switched mobile streamii	No	WG SA4	Yes	Yes
116	**Emergency call enhancements**	**Yes**	**WG CN1**	**No**	**Yes**
128	**Enable bearer independent CS architecture**	**No**	**WG SA2**	**Yes**	**Yes**
142	**CS multimedia services**	**No**	**WG SA2**	**No**	**No**
152	**Facsimile**	**No**	**WG SA1**	**Yes**	**Yes**
160	**Global Text telephony**	**No**	**WG SA2**	**Yes**	**Yes**
173	**Bearer Modification without pre-notification**	**No**	**WG SA1**	**Yes**	**Yes**
184	FS on Push Services	No	WG SA2	No	No
185	**VHE**	**Yes**	**WG SA1**	**Yes**	**Yes**
227	**OSA**	**No**	**WG SA1**	**Yes**	**No**
246	**CAMEL phase 4**	**No**	**WG SA1**	**No**	**No**
255	**MExE**	**Yes**	**WG T2**	**Yes**	**Yes**
267	**Wideband Telephony Service - AMR (Master)**	**No**	**WG SA4**	**Yes**	**No**
287	**Transcoder-Free Operation (TrFO)**	**No**	**TSG CN**	**No**	**No**
299	**Tandem Free aspects for 3G and between 2G and**	**No**	**WG SA4**	**No**	**No**
306	**Multimedia Messaging**	**No**	**WG T2**	**Yes**	**No**
315	**Terminal interfaces**	**Yes**	**WG T2**	**No**	**No**
325	Terminal local model	No	WG T2	Yes	No



ID	Name	Splitable	Resource Na	TSG Ap	WG Ap
326	**Definition of billing, charging and management (to**	**No**	**WG SA5**	**No**	**No**
340	**Location Services**	**Yes**	**WG SA2**	**Yes**	**Yes**
363	**Ensure reliable QoS for PS domain and IM subsys**	**No**	**WG SA2**	**No**	**No**
387	**QoS for CS services at HOs (inter-MSC and SRNS**	**No**	**WG SA2**	**No**	**No**
390	**UICC/(U)SIM enhancements and interworking**	**Yes**	**WG T3**	**No**	**No**
395	**(U)SIM toolkit enhancements**	**Yes**	**WG T3**	**No**	**No**
405	**Security enhancements**	**Yes**	**WG SA3**	**No**	**No**
435	**Miscelleneous UE Conformance Testing Activities**	**Yes**	**WG T1**	**No**	**No**
441	**GERAN definition (to be dispatched to other featu**	**Yes**	**TSG GERAN**	**No**	**No**



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