

ID	Name	Resource Na	TSG Apr	WG A)	Hyperlink	Qtr 1, 2000			Qtr 2, 2000			Qtr 3, 2000			Qtr 4, 2000			Qtr 1, 2001			Qtr 2, 2001		
						Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
1	3GPP fields: indicators, Name, Ressource name, Modified, Acronym, Mo		No	No																			
2	"CTRL + a" to display all the 3GPP fields (move the vertical line		No	No																			
3																							
4																							
5	R00 evolutions of transport	TSG RAN	No	Yes	unknown																		
6	R00 evolutions of the transport in the UTRAN	TSG RAN	Yes	Yes	no sheet																		
7	IP transport in the UTRAN	WG RAN3	No	Yes	Work Items																		
8	Radio access bearer support enhancement (Master)	WG RAN2	Yes	Yes	Work Items																		
9	QoS optimisation for AAL2 connections over lub and lur interf	WG RAN3	Yes	Yes	Work Items																		
10	PS-domain handover for real-time services (Master)	WG RAN3	Yes	Yes	Work Items																		
11	NEW IP Transport	TSG RAN	Yes	Yes	no sheet																		
12	R00 evolutions of the transport in the CN	WG CN4	No	No																			
13	User/signalling data transport on TCP/RTP/UDP/IP based bear	TSG CN	No	No																			
14	User/signalling data transport on ATM/AAL2 bearers (Nb/Nc)	TSG CN	No	No																			
15	IP Transport of CN protocols (e.g., CAP, MAP)	WG CN4	No	No																			
16	Transport and control separation in the PS CN domain	WG SA2	Yes	Yes	-000293.pdf																		
17	Stage 2	WG SA2	No	Yes																			
18	Stage 3	WG CN4	No	Yes																			
19	R00 evolutions of bearers in the CN	WG CN3	No	No																			
20	Multimedia domain and CS networks Interworking	WG CN3	No	No	N3-000387																		
21	Multimedia domain and IP networks Interworking	WG CN3	No	No	N3-000385																		
22	R00 improvements of Radio Interface	TSG RAN	Yes	Yes	no sheet																		
23	RRM Support over lub and lur: RRM optimisation	WG RAN3	Yes	Yes	Work Items																		
24	(Copy) Node B synchronisation for TDD	WG RAN1	Yes	Yes	Work Items																		
25	Improvement of inter-frequency and inter-system measurement	WG RAN1	Yes	Yes	Work Items																		
26	Base station classification	WG RAN4	Yes	Yes	Work Items																		
27	FDD Base station classification	WG RAN4	Yes	Yes	Work Items																		
28	TDD Base station classification	WG RAN4	Yes	Yes	Work Items																		
29	Hybrid ARQ II/III	WG RAN2	Yes	Yes	Work Items																		

ID	Name	Resource Name	TSG Appr.	WG A	Hyperlink	Qtr 1, 2000			Qtr 2, 2000			Qtr 3, 2000			Qtr 4, 2000			Qtr 1, 2001			Qtr 2, 2001		
						Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
30	Improved usage of downlink resource in FDD for CCTrCHs of dedi	WG RAN2	Yes	Yes	Work Items																		
31	Terminal Power Saving features	WG RAN1	Yes	Yes	Work Items																		
32	(Copy) PS-domain handover for real-time services	WG RAN3	Yes	Yes	Work Items																		
33	UTRA repeater specification (master)	WG RAN4	Yes	Yes	Work Items																		
34	Study Item: Radio link performance enhancements	WG RAN1	Yes	Yes	Study Items																		
35	Study Item: High Speed downlink packet access	WG RAN2	Yes	Yes	Study Items																		
36	Study Item: USTS	WG RAN1	Yes	Yes	Study Items																		
37	Study Item: Feasibility Study for improved common DL channel for C	WG RAN2	Yes	Yes	Study Items																		
38	Requirement on equipment	TSG RAN	Yes	Yes	no sheet																		
39	Low Chip Rate TDD option	WG RAN1	Yes	Yes	Work Items																		
40	Low chip rate TDD physical layer	WG RAN1	Yes	Yes	Work Items																		
41	Low chip rate TDD layer 2 and layer 3 protocol aspects	WG RAN2	Yes	Yes	Work Items																		
42	Low chip rate TDD RF radio transmission/reception, system perfor	WG RAN4	Yes	Yes	Work Items																		
43	Low chip rate TDD UE radio access capability	WG RAN2	Yes	Yes	Work Items																		
44	Low chip rate TDD UTRAN network lub/lur protocol aspects	WG RAN3	Yes	Yes	Work Items																		
45	R00 RAN improvements	TSG RAN	Yes	Yes	no sheet																		
46	Low chip rate TDD Smart antenna	WG RAN1	Yes	Yes	Work Items																		
47	RRM optimization for lur and lub	WG RAN3	Yes	Yes	Work Items																		
48	Node B synchronisation for TDD (Master)	WG RAN1	Yes	Yes	Work Items																		
49	(Copy) Radio access bearer support enhancement	WG RAN2	Yes	Yes	Work Items																		
50	PS-domain handover for real-time services	WG RAN3	Yes	Yes	Work Items																		
51	RAB Quality of Service Negotiation over lu	WG RAN3	Yes	Yes	Work Items																		
52	HO for RT services in PS domain	WG RAN3	No	No																			
53	Radio interface testing	TSG RAN	Yes	Yes	no sheet																		
54	Provisioning of IP-based multimedia services	WG SA1	Yes	Yes	SP-000216																		
55	Call control and roaming to support IP-based multimedia s	WG SA2	Yes	Yes	SP-000289																		
56	Definition of service requirements	WG SA1	No	No																			
57	Architecture and Stage 2	WG SA2	Yes	Yes	SP-000289																		
58	Impacts on HSS (Feasibility Study)	WG CN4	No	No																			

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						Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
88	Roaming between IP multimedia and CS domain networks	WG CN4	No	No																			
89	Roaming requirements	WG SA1	Yes	Yes	S1-000290																		
90	Stage 2	WG SA2	Yes	Yes	SP-000150																		
91	Stage 2 review	WG CN4	No	No																			
92	Internetwork roaming aspects	WG CN3	Yes	Yes																			
93	MExE and MMS interactions	WG T2	Yes	Yes	TP-000078																		
94	Support of VHE/OSA by R00 network entities and protocols of the I	WG CN5	Yes	Yes																			
95	(Copy) CAMEL applicability to media streams like VoIP	WG CN2	No	No																			
96	R00 Emergency call enhancements	WG CN1	No	No																			
97	IP & PS based emergency call enhancements for R00	WG CN1	Yes	No	NP-000380																		
98	Service Requirements for IP-based emergency calls	WG SA1	No	No																			
99	SIP emergency calls and packet emergency calls in general	WG CN1	No	No																			
100	Stage 2 for emergency calls and packet emergency calls in ge	WG SA2	No	No																			
101	Distinction of emergency call types to different emergency se	WG CN4	No	No																			
102	Stage 3 for emergency calls and packet emergency calls in ge	WG CN1	No	No	NP-000380																		
103	(Copy2) Ensure reliable QoS for PS domain and IM subsystem	WG SA2	No	No																			
104	CS based emergency call enhancements for R00	WG CN1	No	No	NP-000379																		
105	Distinction in CS domain of emergency call types to different e	WG SA1	No	No																			
106	Emergency call recalling capability enhancement	WG CN1	No	No																			
107	Enable bearer independent Circuit-switched network architect	WG SA2	Yes	Yes	SP-000288																		
108	Enable bearer-independent call control	WG CN4	No	Yes	N4-000512																		
109	Architecture and Stage 2 description on 23.821	WG SA2	No	No																			
110	Standardisation of protocols (control & user planes) over refe	WG CN3	No	No																			
111	Standardisation of protocols over reference points between M	WG CN4	No	No																			
112	Standardisation of detailed stage 2 description	WG CN4	No	Yes																			
113	Bearer control between MSC server and MGW	WG CN4	No	No																			
114	stage 3 - protocol issues	WG CN4	No	No																			
115	stage 3 - parameter value issues	WG CN3	No	No																			
116	Lawful interception	WG SA3	No	No																			

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117	Bearer Independence and codec control issues	WG SA4	No	No																			
118	Circuit-switched multimedia services	WG SA2	No	No																			
119	Stage 1	WG SA1	No	No																			
120	Stage 2	WG SA2	No	No																			
121	Circuit-switched multimedia swap and fallback	WG CN3	Yes	No	NP-000051																		
122	Call control and signalling aspects	WG CN1	No	No																			
123	Transport aspects	WG CN3	No	No																			
124	inband signalling	WG CN3	No	No																			
125	Facsimile	WG SA1	Yes	Yes	SP-000169																		
126	Real Time Fax	WG SA2	No	No																			
127	Terminal capabilities, AT commands	WG T2	No	No																			
128	Signalling aspects (e.g. ICM)	WG CN1	No	No																			
129	Service provision	WG CN3	No	No																			
130	Review whether service/stage 1 aspects need to be aligned	WG SA1	No	No																			
131	Review whether architecture/stage 2 aspects need to be aligned	WG SA2	No	No																			
132	Global Text telephony	WG SA2	Yes	Yes	SP-000290																		
133	Stage 1	WG SA1	No	No																			
134	Stage 2	WG SA2	No	No																			
135	Activation and transport	WG SA2	No	No																			
136	SIP and H.324 Activation and transport	WG SA2	No	No																			
137	Data Channel Activation and transport	WG SA2	No	No																			
138	Voice Channel Activation and transport	WG SA4	No	No																			
139	Selection of transport method	WG SA2	No	No																			
140	Interworking	WG CN3	No	No																			
141	Terminal Aspects	WG T2	No	Yes																			
142	USIM Aspects	WG T3	No	No																			
143	Bearer Modification without pre-notification	WG SA1	Yes	Yes	SP-000216																		
144	Stage 1	WG SA1	No	No																			
145	Service Modification without pre-notification	WG CN3	Yes	Yes	NP-000381																		

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262	In CN	TSG CN	No	No																			
263	Impact on N1, see notes	WG CN1	No	No																			
264	Transcoder-Free Operation (TrFO)	TSG CN	No	No																			
265	TrFO in UTRAN	TSG RAN	Yes	Yes	no sheet																		
266	OoBTC solution	WG CN4	No	Yes	N4-000531																		
267	Impact on architecture, Principles and Terminology	WG SA2	No	No																			
268	Codec Negotiation between UE and MSC	WG CN1	Yes	No																			
269	Codec Negotiation inter MSC	WG CN4	No	No																			
270	Bearer establishment inter MSC	WG CN4	Yes	Yes	NP-000127																		
271	Bearer establishment between UE and RAN, TFC control by R	WG RAN2	No	No																			
272	Bearer establishment between MSC and RNC and between RNC and UE	WG RAN3	No	No																			
273	Notification of the Codec mode to RAN, lu UP control procedure	WG RAN3	No	No																			
274	Prevention of user fraud	WG SA3	No	No																			
275	Speech Transcoder: Location and Control at the UMTS Core Network	WG SA2	No	Yes	S2-99352																		
276	Transcoder at Edge	TSG CN	No	No																			
277	Tandem Free aspects for 3G and between 2G and 3G systems	WG SA4	No	No																			
278	Tandem Free AMR	WG SA4	No	No																			
279	Specification	WG SA4	No	No																			
280	Implementation	TSG CN	No	No																			
281	in CN	TSG CN	No	No																			
282	in UTRAN	TSG RAN	No	No	unknown																		
283	in GERAN	TSG GERAN	No	No																			
284	Multimedia Messaging	WG T2	No	No	TP-000078																		
285	Definition of service requirements	WG SA1	No	No																			
286	Review of definition	WG T2	No	No																			
287	Technical Realisation	WG T2	No	No																			
288	Definition of reference Architecture model	WG SA2	No	No																			
289	Review of definition of reference Architecture model	WG T2	No	No																			
290	"Fulfill Requirements of Stage 1"	WG T2	No	No																			

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349	Impact on S1	WG SA1	No	No					—————														
350	Impact on T2	WG T2	No	No					—————														
351	Possible enhancements in CAMEL Phase 4 for LCS		No	No					◆—————◆														
352	Impact on S1	WG SA1	No	No					—————														
353	Impact on N2	WG T2	No	No					—————														
354	Possible OSA support for LCS	WG CN5	No	No					—————														
355	Exception procedures	WG SA2	No	No					◆—————◆														
356	Stage 2	WG SA2	No	No					—————														
357	Stage 3	TSG CN	No	No					—————														
358	MExE and CBS interactions	WG T2	No	Yes					—————														
359	LCS UTRAN	WG SA2	No	No					◆—————◆														
360	Stage 2	WG SA2	No	No					—————														
361	Position method enhancement	TSG RAN	Yes	Yes	no sheet				◆—————◆														
362	UE positioning in UTRA FDD	WG RAN2	Yes	No	Work Items				—————														
363	UE positioning in UTRA TDD	WG RAN2	Yes	No	Work Items				—————														
364	(Copy) UTRA repeater specification	WG RAN4	Yes	No	Work Items				—————														
365	Ensure reliable QoS for PS domain and IM subsystem (Master)	WG SA2	No	No					◆—————◆														
366	End-to-end QoS (re)negotiation and reservation mechanisms (sta	WG SA2	No	No				—————															
367	End-to-end QoS (re)negotiation and reservation mechanisr	WG CN1	No	No				◆—————◆															
368	GMM and SM aspects	WG CN1	No	No				—————															
369	GTP aspects	WG CN4	No	No				—————															
370	Mapping of end to end QoS parameters on each interface	WG SA2	No	No				◆—————◆															
371	Impacts on N4 documents	WG CN4	No	No				—————															
372	Impacts on N3 documents	WG CN3	No	No				—————															
373	Impacts on UTRAN	WG RAN3	No	No				—————															
374	Interactions between external mechanisms and UMTS mechanism:	WG CN3	No	No				—————															
375	Possible new code points in QoS IE from external networks	WG CN1	No	No					—————														
376	Possible new code points in QoS IE for UMTS	WG CN1	No	No					—————														
377	Mapping between the QoS UMTS point codes and the QoS Externa	WG CN1	No	No					—————														

ID	Name	Resource Na	TSG Apr	WG A	Hyperlink	Qtr 1, 2000			Qtr 2, 2000			Qtr 3, 2000			Qtr 4, 2000			Qtr 1, 2001			Qtr 2, 2001			
						Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	
378	Charging aspects	WG SA5	No	No																				
379	Security aspects	WG SA3	No	No																				
380	Application aspects, multi-mode aspects	WG T2	No	Yes																				
381	GERAN QoS Aspects	TSG GERAN	No	No																				
382	Evolution of maximum SDU size	WG SA2	No	No																				
383	Impacts on CN protocols (e.g., GTP, MAP)	WG CN4	No	No																				
384	Impact on interworking over GTP e.g. PPP	WG CN3	No	No																				
385	Admission control function triggers	WG RAN3	No	No																				
386	QoS for CS services at HOs (inter-MSC and SRNS change)	WG SA2	No	No																				
387	UTRAN aspects	WG RAN2	No	No																				
388	GERAN aspects	TSG GERAN	No	No																				
389	UICC/(U)SIM enhancements and interworking	WG T3	No	No																				
390	UICC/ME Performance Enhancements (Feasibility Study)	WG T3	No	No																				
391	UICC/USIM database specification	WG T3	Yes	Yes	TP-99210																			
392	Common PCN Handset Specification (CPHS)	WG T3	Yes	Yes	TP-000116																			
393	report on SIM/USIM Interworking	WG T3	Yes	Yes	TP-000116																			
394	(U)SIM toolkit enhancements	WG T3	No	No																				
395	Enhancements to (U)SIM toolkit secure messaging	WG T3	Yes	Yes	TP-000116																			
396	Protocol Standardisation of a SIM Toolkit Interpreter	WG T3	Yes	Yes	TP-000116																			
397	UICC Java API	WG T3	No	No																				
398	Specification	WG T3	No	No																				
399	Test specification	WG T3	No	No																				
400	Security enhancements for R00	WG SA3	No	No																				
401	Protection for user plane data	WG SA3	Yes	Yes	SP-000298																			
402	Integrity protection in access network	WG SA3	No	No																				
403	Integrity protection in core network	WG SA3	No	No																				
404	Network based end-to-end security	WG SA3	No	No																				
405	Core network security	WG SA3	Yes	Yes	SP-000299																			
406	Control plane protection in core network (e.g., GTP, C)	WG SA3	No	No																				


ID	Name	Resource Na	TSG Apr	WG A	Hyperlink	Qtr 1, 2000			Qtr 2, 2000			Qtr 3, 2000			Qtr 4, 2000			Qtr 1, 2001			Qtr 2, 2001		
						Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
407	Main aspects	WG SA3	No	No																			
408	Integration of GTP signalling security architecture	WG CN4	No	No																			
409	User plane protection in core network (e.g., provided I	WG SA3	No	No																			
410	Main aspects	WG SA3	No	No																			
411	Integration of GTP signalling security architecture	WG CN4	No	No																			
412	MAP application layer security	WG SA3	No	No																			
413	Main aspects	WG SA3	No	No																			
414	Other stage 3 impacts	WG CN4	No	No																			
415	Key management for core network security	WG SA3	Yes	Yes	SP-000301																		
416	Evolution of GSM CS algorithms (e.g. A5/3 development and d	WG SA3	Yes	Yes	SP-000306																		
417	Evolution of GSM PS algorithms (e.g. GEA 2 deploymen	WG SA3	Yes	Yes	SP-000307																		
418	Main aspects	WG SA3	No	No																			
419	Impact on GTP	WG CN4	No	Yes																			
420	GEA capability indication in MS CM	WG CN1	No	No																			
421	GERAN Security	WG SA3	Yes	Yes	SP-000308																		
422	Main aspects	WG SA3	No	No																			
423	Production of new algorithm	WG SA3	No	No																			
424	Visibility and Configurability of security	WG SA3	Yes	Yes	SP-000305																		
425	FIGS	WG SA3	No	No																			
426	Miscellaneous security issues	WG SA3	Yes	Yes	SP-000310																		

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Task 

Task Progress 

Critical Task 

Critical Task Progress 

Milestone 

Summary 

Rolled Up Task 

Rolled Up Critical Task 

Rolled Up Milestone 

Rolled Up Progress 

Split 

External Tasks 

Project Summary 