

ID	Name	Resource	TSG App	WG	Ag	Qtr 1, 2000			Qtr 2, 2000			Qtr 3, 2000			Qtr 4, 2000			Qtr 1, 2001			Qtr 2, 2001			Qtr 3, 2001			Qtr 4, 2001			Qtr 1, 2002			Qtr 2, 2002						
						Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun				
1	3GPP fields: indicators, Name, Resource name, Modified, Acronym, Modifie		No	No																																			
2	CTRL + a" to display all the 3GPP fields (move the vertical line to the rig		No	No																																			
3																																							
4																																							
5	R4 evolutions of transport	TSG RAN	No	Yes																																			
6	R4 evolutions of the transport in the UTRAN	TSG RAN	Yes	Yes																																			
7	IP transport in the UTRAN	WG RAN3	No	Yes																																			
8	Radio access bearer support enhancement (Master)	WG RAN2	Yes	Yes																																			
9	QoS optimisation for AAL2 connections over lub and lur interfaces	WG RAN3	Yes	Yes																																			
10	PS-domain handover for real-time services (Master)	WG RAN3	Yes	Yes																																			
11	R4 evolutions of the transport in the CN	WG CN4	No	No																																			
12	User/signalling data transport on TCP/RTP/UDP/IP based bearer	TSG CN	No	No																																			
13	User/signalling data transport on ATM/AAL2 bearers (Nb/Nc)	TSG CN	No	No																																			
14	IP Transport of CN protocols (e.g., CAP, MAP)	WG CN4	No	No																																			
15	Stage 2	WG SA2	No	No																																			
16	Stage 3	WG CN4	No	Yes																																			
17	Transport and control separation in the PS CN domain (Feasibil	WG SA2	Yes	Yes																																			
18	Stage 2	WG SA2	No	Yes																																			
19	Stage 3	WG CN4	No	Yes																																			
20	R4 evolutions of bearers in the CN	WG CN3	No	No																																			
21	Multimedia domain and CS networks Interworking	WG CN3	No	No																																			
22	Multimedia domain and IP networks Interworking	WG CN3	No	No																																			
23	R5 evolutions of transport	TSG RAN	No	No																																			
24	(place holder to contain BBs to be moved from "R4 evolutions of transp	TSG RAN	No	No																																			
25	R4 improvements of Radio Interface	TSG RAN	Yes	Yes																																			
26	RRM Support over lub and lur: RRM optimisation	WG RAN3	Yes	Yes																																			
27	(Copy) Node B synchronisation for TDD	WG RAN1	Yes	Yes																																			
28	Improvement of inter-frequency and inter-system measurement	WG RAN1	Yes	Yes																																			
29	Base station classification	WG RAN4	Yes	Yes																																			
30	FDD Base station classification	WG RAN4	Yes	Yes																																			
31	TDD Base station classification	WG RAN4	Yes	Yes																																			
32	Hybrid ARQ II/III	WG RAN2	Yes	Yes																																			
33	Improved usage of downlink resource in FDD for CCTrCHs of dedicat	WG RAN2	Yes	Yes																																			
34	Terminal Power Saving features	WG RAN1	Yes	Yes																																			
35	UTRA repeater specification (master)	WG RAN4	Yes	Yes																																			
36	Testing	TSG RAN	No	No																																			
37	Study Item: Radio link performance enhancements	WG RAN1	Yes	Yes																																			
38	Study Item: High Speed downlink packet access	WG RAN2	Yes	Yes																																			
39	Study Item: USTS	WG RAN1	Yes	Yes																																			
40	Study Item: Feasibility Study for improved common DL channel for Cell-I	WG RAN2	Yes	Yes																																			
41	Requirement on equipment	TSG RAN	Yes	Yes																																			
42	R5 improvements of Radio Interface	TSG RAN	No	No																																			
43	(place holder to contain BBs to be moved from "R4 improvements of Re	TSG RAN	No	No																																			
44	Low Chip Rate TDD option	WG RAN1	Yes	Yes																																			
45	Physical layer	WG RAN1	Yes	Yes																																			
46	Layer 2 and layer 3 protocol aspects	WG RAN2	Yes	Yes																																			
47	RF radio transmission/reception, system performance requirements a	WG RAN4	Yes	Yes																																			
48	UE radio access capability	WG RAN2	Yes	Yes																																			
49	UTRAN network lub/lur protocol aspects	WG RAN3	Yes	Yes																																			
50	R4 RAN improvements	TSG RAN	Yes	Yes																																			
51	Low chip rate TDD Smart antenna	WG RAN1	Yes	Yes																																			
52	RRM optimization for lur and lub	WG RAN3	Yes	Yes																																			
53	Node B synchronisation for TDD (Master)	WG RAN1	Yes	Yes																																			
54	(Copy) Radio access bearer support enhancement	WG RAN2	Yes	Yes																																			

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					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr
63	Stage 3	TSG CN	No	No																												
64	For basic calls	WG CN1	No	No																												
65	For all cases	WG CN1	No	No																												
66	Impacts on HSS (Feasibility Study)	WG CN4	No	No																												
67	SIP over Gm reference point (CSCF - UE)	WG CN1	No	No																												
68	SIP interactions with the R4 Supl Services	WG CN1	No	No																												
69	Check if any	WG SA1	No	No																												
70	Stage 3 if applicable	WG CN1	No	No																												
71	SIP SS and relationship to Mg, Mw and Cx	WG CN4	No	No																												
72	Transparent End-to-End Packet switched mobile streaming applic	WG SA4	Yes	Yes																												
73	Multimedia Capabilities	WG CN1	No	No																												
74	Terminal capabilities	WG CN1	No	No																												
75	Terminal capabilities and Interactions on running multimedia	WG T2	No	No																												
76	Network capabilities (N1 aspects)	WG CN1	No	No																												
77	Network capabilities (N4 aspects)	WG CN4	No	No																												
78	CSCF - HSS (Cx) applications and services (SCP)	WG SA2	No	No																												
79	Stage 2 flows	WG SA2	No	No																												
80	Impact on Camel Stage 3	WG CN2	No	No																												
81	Impact on MAP	WG CN4	No	No																												
82	Addressing, Identities	WG SA2	No	No																												
83	Architectural issues	WG SA2	No	No																												
84	Impact on HSS	WG CN4	No	No																												
85	Interworking	WG CN3	No	No																												
86	SIP interworking with other multimedia protocols	WG CN3	No	No																												
87	Requirements	WG SA1	No	No																												
88	Impact on MM/CC/SM	WG CN1	No	No																												
89	Interworking with external networks	WG CN3	No	No																												
90	Access Security for IP-multimedia services	WG SA3	Yes	Yes																												
91	Lawful interception	WG SA3	No	No																												
92	RAN improvements and evolution of the bearers on the Radio interface	TSG RAN	No	No																												
93	(Copy1) Ensure reliable QoS for PS domain and IM subsystem	WG SA2	No	No																												
94	Billing, charging and management aspects for IP-based multimedia s	WG SA5	No	No																												
95	For basic calls	WG SA5	No	No																												
96	For all cases	WG SA5	No	No																												
97	(Copy) AMR-WB	WG SA4	No	No																												
98	Roaming between IP multimedia and CS domain networks (roaming	WG CN4	No	No																												
99	Roaming requirements	WG SA1	Yes	Yes																												
100	Stage 2	WG SA2	Yes	Yes																												
101	Stage 2 review	WG CN4	No	No																												
102	Internetwork roaming aspects	WG CN3	Yes	Yes																												
103	MExE and MMS interactions	WG T2	Yes	Yes																												
104	Support of VHE/OSA by R4 network entities and protocols of the IM sub	WG CN5	Yes	Yes																												
105	Number portability in IM subsystem	WG CN1	No	No																												
106	R4 Emergency call enhancements	WG CN1	No	No																												
107	For IP & PS based calls	WG CN1	Yes	No																												
108	Service Requirements for IP-based emergency calls	WG SA1	No	No																												
109	SIP emergency calls and packet emergency calls in general	WG CN1	No	No																												
110	Stage 2 for emergency calls and packet emergency calls in gene	WG SA2	No	No																												
111	Distinction of emergency call types to different emergency servic	WG CN4	No	No																												
112	Stage 3 for emergency calls and packet emergency calls in gene	WG CN1	No	No																												
113	(Copy2) Ensure reliable QoS for PS domain and IM subsystem	WG SA2	No	No																												
114	For CS based calls	WG CN1	No	No																												
115	Distinction in CS domain of emergency call types to different eme	WG SA1	No	No																												
116	Emergency call recalling capability enhancement	WG CN1	No	No																												
117	Enable bearer independent Circuit-switched network architecture	WG SA2	Yes	Yes																												
118	Enable bearer-independent call control	WG CN4	No	Yes																												
119	Architecture and Stage 2 description on 23.821	WG SA2	No	No																												
120	Standardisation of protocols (control & user planes) over referen	WG CN3	No	No																												
121	Standardisation of protocols over reference points between MSC	WG CN4	No	No																												
122	Standardisation of detailed stage 2 description	WG CN4	No	Yes																												
123	Bearer control between MSC server and MGW	WG CN4	No	No																												
124	stage 3 - protocol issues	WG CN4	No	No																												

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311	Continuous evolution of Synchronisation protocol	WG T2	No	No																													
312	vObjects and Other Constructs for Use in Data Synchronisation	WG T2	Yes	Yes																													
313	Terminal local model	WG T2	Yes	Yes																													
314	Definition of billing, charging and management	WG SA5	No	No																													
315	Definition of Architecture and Principles	WG SA5	No	No																													
316	Key Administration & Distribution	WG SA5	No	No																													
317	Co-ordination O&M messaging Specification	WG RAN3	No	No																													
318	Performance Management	WG SA5	No	No																													
319	Fault Management	WG SA5	No	No																													
320	Configuration Management	WG SA5	No	No																													
321	Charging	WG SA5	No	No																													
322	Call Cell Trace	WG SA5	No	No																													
323	Security Management (Key Administration and Distribution for MAP	WG SA5	No	No																													
324	Stage 2	WG SA5	No	No																													
325	Stage 3	WG SA3	No	No																													
326	GSM LCS O&M Project	WG SA5	No	No																													
327	Service Management	WG SA5	Yes	Yes																													
328	Location Services	WG SA2	Yes	Yes																													
329	Geographical Area description: DEfined Geographical Areas (DEG	WG SA1	No	No																													
330	Stage 1	WG SA1	No	No																													
331	Stage 2	WG SA2	No	No																													
332	LCS quality level request (QOL)	WG SA1	No	No																													
333	Stage 1	WG SA1	No	No																													
334	Event based and Periodic LCS	WG SA1	No	No																													
335	Stage 1	WG SA1	No	No																													
336	Stage 2	WG SA2	No	No																													
337	Specification	WG SA2	No	No																													
338	Impact on MAP	WG CN4	No	No																													
339	LCS network management	WG SA5	No	No																													
340	Security aspects of LCS	WG SA3	No	No																													
341	LCS support in the core network CS domain	WG CN4	No	No																													
342	LCS support in the core network PS domain	WG SA2	No	No																													
343	Stage 1	WG SA1	No	No																													
344	Stage 2	WG SA2	No	No																													
345	Stage 3	WG CN1	No	No																													
346	Layer 3 LCS signaling UE (MS) -SGSN (UMTS PS and and G	WG CN1	No	No																													
347	MAP signaling for LCS	WG CN4	No	Yes																													
348	LCS support in the IM CN subsystem	WG SA2	No	No																													
349	Stage 1	WG SA1	No	No																													
350	Stage 2	WG SA2	No	No																													
351	Stage 3	WG CN4	No	Yes																													
352	LCS interoperation aspects	WG SA2	No	No																													
353	Co-ordinated development of GSM LCS Phase 2 and UMTS LCS, 1	WG SA2	No	No																													
354	Common LCS System and CN stage 2 specification, combine 23.11	WG SA2	No	No																													
355	LCS application interfaces (LCS-OSA)	WG SA1	No	No																													
356	Service description	WG SA1	No	No																													
357	Stage 2	WG SA2	No	No																													
358	Possible enhancements in MeXE support for LCS	WG SA1	No	No																													
359	Impact on S1	WG SA1	No	No																													
360	Impact on T2	WG T2	No	No																													
361	Possible enhancements in CAMEL Phase 4 for LCS	No	No	No																													
362	Impact on S1	WG SA1	No	No																													
363	Impact on N2	WG T2	No	No																													
364	Possible OSA support for LCS	WG CN5	No	No																													
365	Exception procedures	WG SA2	No	No																													
366	Stage 2	WG SA2	No	No																													
367	Stage 3	TSG CN	No	No																													
368	MeXE and CBS interactions	WG T2	No	Yes																													
369	LCS UTRAN	WG SA2	No	No																													
370	Stage 2	WG SA2	No	No																													
371	Position method enhancement	TSG RAN	Yes	Yes																													
372	UE positioning in UTRA FDD	WG RAN2	Yes	No																													

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373	UE positioning in UTRA TDD	WG RAN2	Yes	No																												
374	(Copy) UTRA repeater specification	WG RAN4	Yes	No																												
375	Ensure reliable QoS for PS domain and IM subsystem (Master)	WG SA2	No	No																												
376	End-to-end QoS (re)negotiation and reservation mechanisms (stage	WG SA2	No	No																												
377	End-to-end QoS (re)negotiation and reservation mechanisms, inclu	WG CN1	No	No																												
378	GMM and SM aspects	WG CN1	No	No																												
379	GTP aspects	WG CN4	No	No																												
380	Mapping of end to end QoS parameters on each interface	WG SA2	No	No																												
381	Impacts on N4 documents	WG CN4	No	No																												
382	Impacts on N3 documents	WG CN3	No	No																												
383	RAB Quality of Service Negotiation over lu	WG RAN3	Yes	Yes																												
384	PS-domain handover for real-time services	WG RAN3	Yes	Yes																												
385	Interactions between external mechanisms and UMTS mechanisms fo	WG CN3	No	No																												
386	Possible new code points in QoS IE from external networks	WG CN1	No	No																												
387	Possible new code points in QoS IE for UMTS	WG CN1	No	No																												
388	Mapping between the QoS UMTS point codes and the QoS External po	WG CN1	No	No																												
389	Charging aspects	WG SA5	No	No																												
390	Security aspects	WG SA3	No	No																												
391	Application aspects, multi-mode aspects	WG T2	No	Yes																												
392	GERAN QoS Aspects	TSG GERAN	No	No																												
393	Evolution of maximum SDU size	WG SA2	No	No																												
394	Impacts on CN protocols (e.g., GTP, MAP)	WG CN4	No	No																												
395	Impact on interworking over GTP e.g. PPP	WG CN3	No	No																												
396	Admission control function triggers	WG RAN3	No	No																												
397	QoS for CS services at HOs (inter-MSC and SRNS change)	WG SA2	No	No																												
398	UTRAN aspects	WG RAN2	No	No																												
399	GERAN aspects	TSG GERAN	No	No																												
400	UICC/USIM enhancements and interworking	WG T3	No	No																												
401	UICC/ME Performance Enhancements (Feasibility Study)	WG T3	No	No																												
402	UICC/USIM database specification	WG T3	Yes	Yes																												
403	Common PCN Handset Specification (CPHS)	WG T3	Yes	Yes																												
404	report on SIM/USIM Interworking	WG T3	Yes	Yes																												
405	USIM toolkit enhancements	WG T3	No	No																												
406	Enhancements to (U)SIM toolkit secure messaging	WG T3	Yes	Yes																												
407	Protocol Standardisation of a SIM Toolkit Interpreter	WG T3	Yes	Yes																												
408	UICC Java API	WG T3	No	No																												
409	Specification	WG T3	No	No																												
410	Test specification	WG T3	No	No																												
411	R4 Security enhancements	WG SA3	No	Yes																												
412	Protection for user plane data	WG SA3	Yes	Yes																												
413	Integrity protection in access network	WG SA3	No	No																												
414	Integrity protection in core network	WG SA3	No	No																												
415	Network based end-to-end security	WG SA3	No	No																												
416	Core network security	WG SA3	Yes	Yes																												
417	Control plane protection in core network (e.g., GTP, CAP, MAP/II	WG SA3	No	No																												
418	Main aspects	WG SA3	No	No																												
419	Integration of GTP signalling security architecture	WG CN4	No	No																												
420	User plane protection in core network (e.g., provided by IPsec)	WG SA3	No	No																												
421	Main aspects	WG SA3	No	No																												
422	Integration of GTP signalling security architecture	WG CN4	No	No																												
423	MAP application layer security	WG SA3	No	No																												
424	Main aspects	WG SA3	No	No																												
425	Other stage 3 impacts	WG CN4	No	No																												
426	Key management for core network security	WG SA3	Yes	Yes																												
427	Evolution of GSM CS algorithms (e.g. A5/3 development and deplo	WG SA3	Yes	Yes																												
428	Evolution of GSM PS algorithms (e.g. GEA 2 deployment)	WG SA3	Yes	Yes																												
429	Main aspects	WG SA3	No	No																												
430	Impact on GTP	WG CN4	No	Yes																												
431	GEA capability indication in MS CM	WG CN1	No	No																												
432	GERAN Security	WG SA3	Yes	Yes																												
433	Main aspects	WG SA3	No	No																												
434	Production of new algorithm	WG SA3	No	No																												



Project: 3GPP_Release-2000
Date: Fri 25/08/00

Task		Critical Task		Milestone		Rolled Up Task		Rolled Up Milestone		Split		Project Summary	
Task Progress		Critical Task Progress		Summary		Rolled Up Critical Task		Rolled Up Progress		External Tasks			