

3GPP  
Technical Specification Group Core Networks  
Meeting #2, Fort Lauderdale, 2-4 March 1999

Document **NP-99070**

**Source:**           **TSG-CN Secretary**  
John M Meredith  
john.meredith@etsi.fr

**Title:**            **Report of TSG-CN #2**

**Document for:** **Decision**

**Attention:**      **Agenda item 15**

---

## 1           Opening of meeting

The second meeting of 3GPP TSG CN was held from 2 to 4 March 1999 in Fort Lauderdale, USA, at the invitation of Bellsouth, Nokia Americas, Omnipoint, Ericsson, Lucent Technologies, Nortel Networks, Siemens and Pacific Bell Wireless. The meeting was chaired by the CN Convenor, Mr Stephen Hayes.

---

## 2           Welcome address by host

On behalf of the hosts, the CN Convenor, Mr Stephen Hayes, welcomed the delegates and gave a short briefing of the results of the PCG meeting held the previous day. The PCG had elected the following officials:

Chairman:           Mr Karl Heinz Rosenbrock (ETSI)  
Vice-Chairman:    Dr Akio Sasaki ()  
Vice-Chairman:    Dr Asok Chatterjee ()

who would hold office for one year.

The PCG had spent considerable time discussing the election process and logistics of the forthcoming elections for the TSG officials, and a satisfactory conclusion had been reached. TSG Chairs would be elected in the first round and vice-chairs would be elected in the second round.

---

## 3           Adoption of the agenda

The agenda (NP-99001) was adopted, and the present report follows the structure of that agenda.

---

## 4 Meeting report of TSG-CN meeting #1

The report (NP-99015) was approved. It was noted that the previous agreement that the basis for the CN work would be the GSM release 98 technical specifications should be made explicit. There was concern that there could be a difficulty with an intermediate release of the CN specifications since the baseline specifications may not be formally available until after April. It was not agreed that an intermediate release was necessary.

---

## 5 Convenor's report and objectives for meeting #2

The Convenor indicated that this second meeting of TSG CN should aim to:

approve its own Terms of Reference and those of its Working Groups;

decide on which work items and GSM specifications should be transferred from ETSI SMG to CN and indicate its intention to accept them once formally offered;

arrive at a meeting schedule for TSG CN during 1999, aligned with the output of 3GPP specifications.

---

## 6 Election of TSG Chairman and Vice-Chairmen

The rules governing the election of TSG officials was briefly reviewed.

There was only one candidate for the position of Chairman, and in consequence, Mr Harald Dettner (Siemens, ETSI) was appointed by acclamation as Chairman.

In view of the appointment of an ETSI representative as Chairman, two candidate vice-chairmen from members of the same partner organization, Mr Ian Park (Vodafone) and Mr Emmano Berruto (Italtel) magnanimously withdrew their candidatures. Hence the two remaining candidates, Dr Masami Yabusaki (NTT DoCoMo) and Mr Stephen Hayes (Ericsson, T1) were appointed by acclamation as Vice-Chairmen.

The officials would take over their roles following the end of the present meeting.

Document NP-99055 is addressed under agenda item 11.

*[Secretary's note: These positions were later ratified by the PCG.]*

---

## 7 TSG Working Group reports (including approval of WG ToRs, WI transfer)

### 7.1 WG1 MM/CC/SM

Mr Hannu Hietalahti, WG CN1 convenor, presented the report of the first meeting (NP-99017) and a follow-on ad hoc meeting of CN1 (NP-99019), drawing attention to a few topics of particular note, such as §3.1 on layer 3 message segmentation, where improvement was required; §3.2 on code points, where obsolete code points for low data rates could be excised; §3.12 on MM/RR functions, where a joint meeting

with SMG9 was required concerning the modifications needed to handle the change of SIM data; §7.5 on the need to split GSM 04.08.

New work items appeared in NP-99029, NP-99030 and NP-99031. Of these, the first had probably been superseded by the discussions of the CN2 proposed work items (which discussion in fact preceded that on CN1). Mr Fukuda presented NP-99030; with the proviso that the effects on charging were for further study, this WI was approved. The WI in NP-99031 was left in abeyance pending the conclusions on the CN2 equivalent on variable length security parameters. A liaison (NP-99056) was drafted to SA3 on the matter.

The Terms of Reference for CN1 were presented in NP-99020 (specifically, annex A), later superseded by NP-99059 and then by NP-99075, but it was stressed by the CN1 Convenor that this document had not yet been agreed by the participants in CN1. NP-9905 was approved as the ToR for CN1.

## 7.2 WG2 CAMEL/MAP

Mr Ian Park, WG CN2 co-convenor, presented the report of the first meeting of CN2 (NP-99042).

NP-99028 listed the GSM specifications which were being considered as the baseline for 3GPP CN work, and the list was analysed in some depth.

Document NP-99022 presented some proposed work items for CN2, and these were discussed at length. The new WIs were as follows:

- 1 The Gateway Location Register
- 2 Pre-paging for GSM R99
- 3 Variation of authentication parameter length
- 4 Bearer services and teleservices negotiation
- 5 Bearer services and teleservices modification during a call
- 6 Out-of-band transcoder control
- 7 Maximum call number of multiple call
- 8 QoS control for asymmetric bearer for packet services.

It was noted that some of the new work items (numbers 1, 2 and 6 at least) would initially take the form of feasibility reports (and thus be published as TRs). Depending on the conclusions of those reports, it might be appropriate to produce new specifications or Change Requests to existing TSs. Numbers 4 and 5 would produce CRs directly. A drafting group was set up to refine the proposed new work items, and the results were provided in NP-99069; lack of time precluded a detailed review of this document. Dr Yabusaki (WG CN2 co-convenor) stressed the need for obtaining precise and stable stage 1 and stage 2 specifications from TSG SA in time for stage 3 specifications to be produced by CN2; this applied particularly to numbers 7, 8 and 3. Concerning number 2, it was noted that coordination with CN1 would be required. It was noted that in general, the level of detail across the WIs was not consistent. A lengthy discussion ensued, the conclusions of which were as follows:

1 and 2: Approved; feasibility study report to be produced May 99.

3 and 8: Awaiting input from SA3, to whom a liaison was drafted (NP-99056); result would probably be Change Requests, but scope could be much wider than presently proposed; meanwhile, WI not approved.

4, 5 and 7: These were considered as an ensemble, and would be reworked. A new, more comprehensive work item was generated on 3G call control model and protocols (NP-99069). This will be initially addressed with SA2.

6: As 1 and 2; it was stressed that the WI concerned out-of-band control, but it was well accepted that in-band control would continue to be useful. A stage 2 analysis would be done, however it would contain a benefits analysis section.

**Action 1: Mr Ian Park to draft liaison to SA3 requesting stage 1 / 2 input for WIs 3,**

It was agreed that the complexities of writing interworking specifications between 3GPP core networks and ISUP v3 rendered such a task futile; neither the option of choosing the ETSI-specific ISUP nor the global ITU-T ISUP was appropriate, since one would be too restrictive and the other too general. It was agreed, therefore, not to take on GSM 09.14 in 3GPP.

The scope of CN2 was further elaborated in NP-99025, presented by Dr Yabusaki.

CN2 had already sent some liaison statements to other committees (NP-99041), and a principle was agreed that approval by TSG CN of liaisons produced by Working Groups was not be required. However, liaisons should not be emitted directly by any subgroups of WGs. It was noted that the PCG would establish a list of organizations with which 3GPP TSGs could establish liaisons; according to the Working Procedures (NP-99040), ITU was explicitly excluded from this list.

It was confirmed that Quality of Service issues would be concentrated in the working group established within TSG SA for the purpose, and it was emphasised that CN2 was coordinating well with that group.

NP-99052 proposed a method of organizing the work within TSG CN, as did NP-99065 (supersedes NP-99053). WG CN2 decided to establish two subgroups (SWGs):

CN2A	Basic call stage 2 CAMEL
CN2B	MAP GTP Subscriber data management MNP maintenance Mobility management stage 2

according to NP-99024, which also cited several areas of joint responsibility. (The precise scopes of the work addressed in each subgroup was modified by the discussions on supplementary services reported under agenda item 11.) It was hoped that two vice-chairmen of CN would in due course be appointed, and that these persons would chair the SWGs.

It was noted (NP-99026) that SMG3 WP-C had arranged a series of joint meetings with ETSI SPS3 on CAMEL matters. It was confirmed that non-ETSI 3GPP members' delegates would be invited to these meetings, including those "hosted" by SPS3.

**Action 2: Mr Meredith to ensure SPS3 meeting invitations on CAMEL were extended to CN2 delegates as well as SMG3c delegates.**

Following discussion of NP-99023 and NP-99057, a revised set of Terms of Reference appeared in NP-99076. NP-99076 was approved as the ToR for CN2.

*[Secretary's note: CN2's proposal to hold meetings mid-week to mid-week is reported under agenda item 11.]*

## 7.3 WG3 Interworking with external networks

Mr Klehn, co-convenor of WG CN3, presented a report of the first CN3 meeting (NP-99004). There was only one identified new work item so far, but the second meeting of the WG would address the matter of WIs. This work item was approved.

The Terms of Reference for CN3 appeared in NP-99068 (superseding NP-99062), following discussions on NP-99005. NP-99068 was approved as the ToR for CN3.

The GTP (GSM 09.60) was discussed with a view to determining in which WG - CN2 or CN3 - the tunnelling protocol should best be handled. It was concluded that the matter should in fact reside with CN2; however aspects related to the transport of network interface data would remain in CN3

---

## 8 TSG CN work programme

The GSM TSs proposed to be transferred to CN were listed in NP-99019 (CN1), NP-9928 (CN2) and NP-99058 (CN3). It was noted that the GPRS work items did not appear in any of these lists, but that they were of interest to CN1. A proposed liaison to SMG3 and SMG containing a consolidated list of WIs and TSs was generated but there was insufficient time to review the list (NP-99074). This list was to be sent out for electronic comment by the secretariat. Responses were expected by 1999-03-10 as the results had to be sent to SMG#28 bis.

An additional aspect of the work programme was the allocation of TSs to working groups. Mr. Dettner would generate a preliminary allocation list (TSs to WG) for discussion and agreement by e-mail.

**Action 3: Mr Dettner to maintain the list describing the allocation of TSs to WGs.**

It would fall to the 3GPP Support Group to ensure that no GSM specifications were overlooked by the four TSGs.

**Action 4: 3GPP Support Group to ensure complete transfer of TSs from SMG to 3GPP TSGs.**

NP-99050 had been covered under other discussions, and was not formally addressed.

---

## 9 Relationship with SMG3/SMG4

Mr Dettner proposed some modalities of work transfer from SMG3 to CN (NP-99043). With the exception of GSM 09.12 and 09.14, it seemed that all the deliverables of SMG3 were common to CN. The meeting expressed its agreement to taking on the maintenance of GSM specifications in the context of CN; the method of working via joint meetings would render this relatively easy. However, it was emphasised that approval of an output document by CN did not necessarily imply automatic approval by SMG3; normally, it was to be expected that the final session of a joint CN / SMG3 meeting would be SMG3-only, and would be largely dedicated to approving the output CRs.

For joint SMG3 / CN meetings, it was agreed that contributions would be numbered according to the 3GPP conventions; there seemed to be no desire from SMG3 delegates to double-number contributions with SMG3 numbers as well (though this possibility was not excluded if some need for it was found). Moreover, it was concluded that the e-mail exploders (with their membership) for SMG3 would be copied to 3GPP TSG CN analogues, and that these latter should be used for all future business. (The SMG3 lists would not be closed straight away, but their use was expected to be almost entirely eliminated.) It was also observed that a corresponding exploder in 3GPP need not be created if the SMG3 exploder were dormant.

<b>Action 5: 3GPP Support Group to create e-mail exploders analogous to the SMG3 exploders under the 3GPP.</b>
--

---

## 10 System coordination aspects (relationship with TSG SA)

It was confirmed that, although the work programme of TSG CN would be reviewed and coordinated by TSG SA, no formal approval of work items or deliverables would be required by SA. Similarly, the role of PCG was to intervene only by exception. No explicit approval from PCG would be required.

The role of the TSG-CN plenary was discussed. It was agreed that the primary role of the TSG-CN plenary was coordination between the WGs and dealing with inter-CN WG issues.

For the penultimate meeting session (Thursday morning, 08:00 to 10:00), CN (and T) recessed so that interested delegates could attend an expanded TSG SA meeting where matters of coordination were further discussed. *[Secretary's note: this discussion can be found in the report of the TSG SA meeting.]* In the absence of any representative from TSG T or its working groups, Mr Dettner introduced NP-99002 concerning the development process for 3GPP specifications. The document's precepts were accepted, except that TSG CN stated that it had no intention of producing PICSs for its specifications. A liaison to this effect was returned to TSG T (NP-99071). In response to a further question from TSG T (NP-99003), it was confirmed that testing of mobility procedures, call control and supplementary services could be based on GSM 11.10 however, there was reluctance to state that 11.10 was entirely adequate to test UMTS CN capabilities

NP-99037 gave the methods by which coordination could be achieved by TSG SA, but this document had been overtaken by the results within that TSG. It was being proposed that all TSG and WG chairmen should attend TSG SA meetings. Dr Yabusaki (NP-99054) proposed that a session of each SA meeting perform this coordination role. It was noted that SA would normally meet in conjunction with ETSI SMG plenary, and that this should render coordination relatively easy. There was general endorsement of the principle of having TSG-SA perform the coordination role and the general principles of coordination as outlined in NP-99037.

---

## 11 TSG-CN working methods

It was noted that ETSI SMG had not yet formally release its GSM specifications to 3GPP, and that in fact the post-SMG#28 release versions were not yet available. ETSI would not relinquish its copyright on these documents, but would nevertheless supply them as input to the 3GPP work. There was some discussion over the modalities of maintenance of older releases of GSM specifications, and it was concluded that meetings convened jointly between CN and SMG3 (and between SA and SMG) could solve the logistics of this problem. TSG CN would confirm its willingness to accept responsibility for those GSM specifications appearing in a list prepared following the working group discussions (agenda item 7).

Some modalities of cooperation between CN and SMG3c were presented by Mr Dettner in NP-99043.

Further to the discussions reported under agenda item 7.2, it was concluded that the list of bodies with whom liaison was to be permitted would be provided by PCG based on recommendations of the TSGs. To avoid unnecessary bureaucracy, CN would recommend that the list be declared as "non-exhaustive", allowing contact with other bodies if the need should arise. However, a caveat was placed upon "non-prescribed" liaisons that the CN chairman's permission would be sought prior to dispatch of any such outgoing liaison statement. Apart from this proviso, WGs could receive and issue liaison statements

directly, without going via the TSG CN itself; however, this did not apply to SWGs, which should always operate under the auspices of the WGs.

*[Secretary's note: This request denied by PCG, but electronic approval of extensions to the list will be used to speed the process.]*

CN therefore resolved to convey a verbal response to the liaison from the ITU-T SGa 11, 4 and 7 chairmen (NP-99045) to the PCG, stating that CN understood that the liaison addressed internetwork aspects, but that at the present time, TSG CN was not addressing interworking between IMT-2000 families, but only between members of the same family (i.e. GSM-3GPP); however, this did not exclude such work at some future date, and that if the TSG CN scope changed to include such topics, then the interested ITU-T SGs would be informed.

<b>Action 6: Mr Hayes to convey to PCG a verbal response to the liaison from ITU-T SGs 11, 4 and 7 chairman.</b>
--

In various contributions, a variety of terms had been used for the same concept of the core network for 3GPP. Following a proposal by Dr Yabusaki, it was agreed that the term "UMTS core network" would be used in all cases.

Siemens proposed (NP-99052) to establish a fourth working group within CN, or possibly a third subgroup within CN2, on supplementary services, equivalent to SMG3 WP-B. After a long discussion, it was concluded that the matter would best be handled by an ad hoc group under CN, convened by Mr Seffan Habermann. The ad hoc group would meet in conjunction with SMG3 WP-B, and would complete the work necessary for release 99.

Mr Ian Park (NP-99027) presented further operating methods for CN and its WGs. It was agreed that "paperless" meetings was impractical (especially where SDL diagrams were involved), but that CN should strive towards "low-paper" meetings. The Secretary reported on the favourable results experienced in some ETSI committees where, for documents available on the file server prior to the start of a meeting, paper copies were made only on explicit request to the host; otherwise, delegates were expected to download the documents (and make their own paper copies if they wished, before coming to the meeting). For the benefit of hosts, it was proposed to add a field to the meeting document header to indicate whether copies should be made for all delegates or a subset of delegates. A further proposal was that the document list on the file server should make it clear whether a document contained SDL diagrams, and delegates could then decide whether or not to download them. *[Secretary's note: whilst understandable, this request may not always be easy to respect, since it would require that the responsible person in the 3GPP Support Group open every document to check whether or not SDL diagrams were included; however, it is the intention always to have an up to date document list on the server, and it may be possible for delegates to decide whether or not to download a given document based on its file size and its title.]*

In view of the decision to convert all GSM specifications from release 97 onwards to MS Word v8 (Office 97), it was agreed that CN and its WGs would use this version of Word for all future work.

ETSI had established the practice of loaning out licenses for Telelogic SDT, the preferred (rather expensive) SDL tool. The PCG would be asked to propose that the other partner standards organizations do the same for their members. For other graphics, requirements were less stringent, and the ETSI preferred software (Micrografx Designer v6) was relatively inexpensive to purchase.

It was (more or less) agreed that CN2 and its subgroups would operate a unified numbering document numbering system as described in NP-99027. AT&T proposed (NP-99032) setting a deadline by which contributions to a meeting should be available on the server. The deadline date relative to the meeting was debated, as was the rigour of guillotining all late contributions. It was concluded that a meeting chairman would use his discretion on whether or not to admit a late contribution, recognizing that it was sometimes unavoidable that a contribution proposing counter-arguments to earlier contributions was late. However, a chairman could be expected to give higher priority to contributions which had been made earlier rather than

later. The document handling principles of NP-99027 were felt to be generally consistent with NP-99032, but less harsh. For this reason, the principles of NP-99027 were adopted.

To allow for exceptional circumstances, each meeting announcement will indicate the deadline for document submission. The default deadline was to be three weekdays (M,Tu, W, Th, F) before the meeting.

Documents NP-99038, NP-99039, NP-99040 and NP-99068 addressed issues under this agenda item, but time precluded detailed examination. Delegates were encouraged to raise any questions relating to them on the e-mail exploder within two weeks.

Document NP-99050 suggesting incorporation of GSM work into the 3GPP was briefly discussed. It was noted that this proposal was consistent with the manner in which TSG-CN hoped to work. The document was noted.

Document NP-99054 concerning the need for a TSG plenary was noted.

Mr Noël Crespi (France Telecom) wished it to be recorded that, although France Telecom shared the concerns expressed in NP-99055 relating to an apparent unbalance in voting rights favouring a small number of large manufacturers within a limited geographical area, it did *not* support the proposed solution (weighting as a function of revenue in land mobile business). With that clarification, the document was noted.

WG CN2 had proposed holding meetings from mid-week to mid-week to avoid disruption of two weekends for those travelling long distances. After discussion of the merits and disadvantages of this idea, it was concluded that most delegates were in favour of the "traditional" start-week to end-week meeting. Thus CN would meet Monday-to-Friday only. This principle also applied as guidance to all working groups and subgroups.

---

## 12 Project support requirements

The Convenor introduced NP-99072, which identified the secretarial support required for the smooth running of CN and its WGs. The six identified roles did not amount to six individual people, and it would be a useful exercise to estimate the total resource required in man.months per year. The importance of continuity of support for each group was stressed. It was noted that the CN Secretary would step down after the present meeting, that the Secretary of CN1 (who also supported SMG3) would also leave shortly, and that there was clearly a shortfall of resource.

---

## 13 Future meeting schedule

The meeting schedule was presented in NP-99044, but was revised to take account of the coordination function of TSG SA. Mr Dettner would circulate a revised version after the meeting.

<b>Action 7: Mr Dettner to circulate revised meeting schedule.</b>
--

---

## 14 Any other business

None.



---

## 15 Close meeting #2

Mr Dettner, Chairman Elect, thanked Mr Hayes for managing TSG CN during the establishment phase, and looked forward to working with him and Dr Yabusaki as vice-chairmen in the future. Mr Hayes thanked the participants, the host personnel and the Secretary, and closed the meeting.

## *Attendee list - TSG CN*

3GPP TSGs-#2

	<i>Person's name:</i>	<i>email</i>	<i>Organisation name, status, partner and country</i>	<i>Role</i>
1	Mr. Johannes Achter	johannes.achter@maxmobil.	MAX.MOBIL. TELEKOM.	3GPPM ETSI AT
2	Mr. Peter Adams	peter.m.adams@bt.com	BT	3GPPM ETSI GB
3	Mr. Ramin Afchar	ramin.afchar@d2privat.de	MANNESMANN Mobilfunk GmbH	3GPPM ETSI DE
4	Mr. Raj Agrawal	Rajeev.Agrawal@comsat.co	Comsat Corporation	3GPPM T1 US
5	Mr. Jose Luis Aguinaco	joseluis.aguinaco@ppc.phili	PHILIPS CONSUMER COMMUNICA	3GPPM ETSI FR
6	Mr. Shinichiro Aikawa	aikawa@ss.ts.fujitsu.co.jp	Fujitsu Limited	3GPPM TTC JP
7	Mr. Sami Ala-Luukko	sami.ala-luukko@sonera.fi	SONERA Limited	3GPPM ETSI FI
8	Mr. Niels Peter Andersen	NielsPeter_Andersen@Euro	MOTOROLA A/S	3GPPM ETSI DK
9	Mr. Renato Ansaldi	renato.ansaldi@italtel.it	ITALTEL S.p.A.	3GPPM ETSI IT
10	Mr. Hidenori Asaba	asaba@mob.ntc.co.jp	Nippon Telecommunications	3GPPM TTC JP
11	Mr. Yasuhiro Aso	y.aso@fujitsu.co.uk	FUJITSU Europe Telecom R & D C	3GPPM ETSI GB
12	Mr. Stoyan Baev	baev@ens.ascom.ch	ASCOM AG	3GPPM ETSI CH
13	Dr. Charles Bailey	cbailey@tri.sbc.com	SBC Communications Inc.	3GPPM T1 US
14	Mr. Rolf Bauer	rbauer@alcatel.de	ALCATEL SEL AG	3GPPM ETSI DE
15	Mr. Robert Beeson	RBEESON@LUCENT.COM	Lucent Technologies	3GPPM T1 US
16	Mrs. Nadia Benabdallah	nadia.benabdallah@omnitel.	OMNITEL	3GPPM ETSI IT
17	Mr. Uriel Berchin	urielb@transky.com	IAEI	3GPPM ETSI IL

<i>Person's name:</i>				<i>email</i>	<i>Organisation name, status, partner and country</i>		<i>Role</i>
18	Mr.	Ermanno	Berruto	ermanno.berruto@cselt.it	TELECOM ITALIA S.p.A.	3GPPM ETSI	IT
19	Mr.	Nigel	H Berry	nhberry@lucent.com	Lucent Technologies N. S.	3GPPM ETSI	UK GB
20	Mr.	Richard	Blake	dick.blake@icn.siemens.co	SIEMENS INFO & COMM NTWKS, I	3GPPM T1	US
21	Mr.	Wayne	Bradley	wayne@prairiecomm.com	PRAIRIECOM. Inc.	3GPPM ETSI	US
22	Mr.	Jonas	Brandén	jonas.branden@ecs.ericsson	ERICSSON L.M.	3GPPM ETSI	SE
23	Dr.	Gunilla	Bratt	gunilla.bratt@ecs.ericsson.s	Nippon Ericsson	3GPPM ARIB	JP
24	Mrs.	Terry	Brooks		Nokia Telecommunications Inc.	3GPPM T1	US
25	Mr.	John	Candish	jfc@nortelnetworks.com	NORTEL NETWORKS (EUROPE)	3GPPM ETSI	GB
26	Mr.	Quentin	Cassen	quent.cassen@conexant.co	Conexant Systems, Inc.	3GPPM T1	US
27	Mr.	Laurent	Chalard	laurent.chalard@st.com	STMicroelectronics	3GPPM ETSI	FR
28	Mr.	Colin	Chandler	colinc@qualcomm.com	QUALCOMM EUROPE S.A.R.L.	3GPPM ETSI	FR
29	Dr.	Asok	Chatterjee	asok.chatterjee@ericsson.c	Ericsson Inc.	3GPPM T1	US
30	Mr.	Alan	Chau	alan.chau@nmp.nokia.com	NOKIA Mobile Phones Ltd	3GPPM ETSI	GB
31	Mr.	Didier	Chauveau	didier.chauveau@art-teleco	Secrétariat d' Etat Industrie	3GPPM ETSI	FR
32	Mr.	Chin	Chen-Ho	chen.ho.chin@ico.com	ICO Services Ltd	3GPPM ETSI	GB
33	Mr.	David	Cooper	david.cooper@necotech.co.u	Telecom Modus Ltd.	3GPPM ETSI	GB
34	Mr.	Francis Lo	Corrigan	louis@aldiscon.ie	LOGICA ALDISCON	3GPPM ETSI	IE
35	Mr.	François	Courau	francois.courau@alcatel.fr	Alcatel USA Inc.	3GPPM T1	US
36	Mr.	Noel	Crespi	noel.crespi@cnet.francetele	France Telecom	3GPPM ETSI	FR

<i>Person's name:</i>				<i>email</i>	<i>Organisation name, status, partner and country</i>	<i>Role</i>	
37	Mr.	Graham	Crisp	CRISP_G@A1.BEA1.marco	MARCONI COMMUNICATIONS	3GPPM ETSI	GB
38	Mr.	Jean-Jacq	Davidian	davidian@docomo.fr	DoCoMo Europe S.A.	3GPPM ETSI	FR
39	Mr.	Philip	Davidson	phil.davidson@bt.com	BT	3GPPM ETSI	GB
40	Mr.	François	De Ryck	deryck@tcl.ite.mee.com	MITSUBISHI Electric ITE TCL	3GPPM ETSI	FR
41	Mr.	Harald	Dettner	harald.dettner@icn.siemens.	SIEMENS AG	3GPPM ETSI	DE
42	Mr.	Jae-Hyuk	Do	jhdo@telecom.samsung.co.	Samsung Electronics Co., Ltd	3GPPM TTA	KR
43	Mr.	Ian	Doig	ian.doig@etsi.fr	ETSI	3GPPO ETSI	FR
44	Mr.	Peter	Donat	peter.donat@siemens.at	FEEI	3GPPM ETSI	AT
45	Mr.	Albert	Dorgelo	dorgelo@lucent.com	Lucent Technologies EMEA B.V.	3GPPM ETSI	NL
46	Ms.	Sonia	Doshi	sdoshi@nortel.com	Nortel Networks	3GPPM T1	US
47	Mr.	Lees	Eastwood	ale002@email.mot.com	Motorola Inc.	3GPPM T1	US
48	Mr.	Mark	Edwards	edwards@isd-nec.co.uk	NEC Technologies (UK) LTD	3GPPM ETSI	GB
49	Dr.	Bernd	Eylert	bernd.eylert@t-mobil.de	UMTS Forum	3GPPM UMTSF	GB
50	Mr.	Rouzbeh	Farhoumand	rouzbeh-farhoumand@eric	Ericsson Inc.	3GPPM T1	US
51	Mr.	John B	Fenn	johnbfenn@aol.com	SAMSUNG Electronics	3GPPM ETSI	GB
52	Miss	Laurence	Ferrand	laurence.ferrand@etsi.fr	ETSI	3GPPO ETSI	FR
53	Mr.	Giovanni	Fruscio	gfruscio@tim.it	TELECOM ITALIA S.p.A.	3GPPM ETSI	IT
54	Mr.	Masanobu	Fujioka	masanobu.fujioka@ericsson	Nippon Ericsson	3GPPM TTC	JP
55	Ms.	Eisuke	Fukuda	e.fukuda@fujitsu.co.uk	Fujitsu Limited	3GPPM ARIB	JP

		<i>Person's name:</i>		<i>email</i>	<i>Organisation name, status, partner and country</i>		<i>Role</i>
56	Mr.	Gerhard	Gerz	gertz@bapt.de	BMWi	3GPPM ETSI	DE
57	Mr.	Philip	Gilchrist	apc001c@email.mot.com	MOTOROLA S.A.	3GPPM ETSI	FR
58	Mr.	Branko	Golli	branko.golli@mobitel.si	MOBITEL d.d.	3GPPM ETSI	SI
59	Mr.	Frédéric	Gourgue	frederic.gourgue@alcatel.fr	ALCATEL France	3GPPM ETSI	FR
60	Mr.	Omar	Habbal	oabbal@san-jose.tt.slb.com	SCHLUMBERGER	3GPPM ETSI	GB
61	Mr.	Steffen	Habermann	steffen.habermann@t-mobil.	Deutsche Telekom MobilNet	3GPPM ETSI	DE
62	Mr.	Robert	Hall	bhall@tri.sbc.com	SBC Communications Inc.	3GPPM T1	US
63	Mr.	Jussi	Hattula	jussi.hattula@tele.telebox.fi	SONERA Limited	3GPPM ETSI	FI
64	Mr.	Stephen	Hayes	stephen.hayes@ericsson.co	Ericsson Inc.	3GPPM T1	US
65	Mr.	Hannu	Hietalahti	hannu.hietalahti@nmp.nokia	NOKIA Mobile Phones Ltd	3GPPM ETSI	GB
66	Mr.	Satoshi	Hirabayashi	shiraba@wtlab.sony.co.jp	SONY Corporation	3GPPM ARIB	JP
67	Mr.	Yukio	Hiramatsu	hiramatu@magnet.netlab.ntt	NTT	3GPPM TTC	JP
68	Mr.	Masakazu	ISHIHARA	ishihara@mcs.abk.nec.co.j	NEC Corporation	3GPPM TTC	JP
69	Mr.	Kenji	Ito	kenji.ito@skk.siemens.co.jp	Siemens K.K	3GPPM ARIB	JP
70	Mr.	Shin-Ichi	Itoh	rty976@email.nml.mot.com	MOTOROLA JAPAN LTD	3GPPM ARIB	JP
71	Mr.	Atlee	Jacobson	a.jacobson@advantest.com	ADVANTEST Corporation	3GPPM ARIB	JP
72	Mr.	Eric	Jaques	eric.jaques@airtouch.com	AirTouch Belgium S.A.	3GPPM ETSI	BE
73	Mr.	Teuvo	Jarvela	teuvo.jarvela@nmp.nokia.co	NOKIA Corporation	3GPPM ETSI	FI
74	Mr.	Stuart	Jeffrey	stu@synacom.com	Synacom Technology	3GPPO OTHER	US

		<i>Person's name:</i>		<i>email</i>	<i>Organisation name, status, partner and country</i>		<i>Role</i>
75	Ms.	Antonina	Johansson	toni.johansson@ericsson.co	Ericsson Inc.	3GPPM T1	US
76	Mr.	Patrick	Johnson	pjohnson@nortelnetworks.c	Nortel Networks	3GPPM T1	US
77	Mr.	Gary	Jones	gjones@omnipoint-corp.com	OMNIPOINT	3GPPM ETSI	US
78	Mr.	Marcel	Joss	marcel.joss@swisscom.com	SWISSCOM	3GPPM ETSI	CH
79	Mr.	Mikko	Kanerva	mikko.kanerva@ntc.nokia.c	NOKIA Corporation	3GPPM ETSI	FI
80	Mr.	Radivoj	Kar	rkar@compuserve.com	MITSUBISHI Electric ITE TCL	3GPPM ETSI	FR
81	Dr.	Makis	Kasapidis	makis.kasapidis@mci.co.uk	MATSUSHITA COMMUNICATION	3GPPM ETSI	GB
82	Mr.	Osamu	Kato	osamu.kato@yrp.mci.mei.co	Matsushita Communication	3GPPM ARIB	JP
83	Mr.	Sato	Kazuyoshi	ka.sato@cew.melco.co.jp	Mitsubishi Electric Co.	3GPPM ARIB	JP
84	Mr.	Brian	Kelly	bjkelly@eircell.ie	EIRCELL	3GPPM ETSI	IE
85	Mr.	Heinz-Pete	Keutmann	eedhpk@eed.ericsson.se	ERICSSON L.M.	3GPPM ETSI	SE
86	Mr.	Brian	Kiernan	brian.kiernan@interdigital.co	INTERDIGITAL COMMUNICATIONS	3GPPM ETSI	US
87	Mr.	Mat	Kirimura	j02757_kirimura@m1.jrc.co.j	Japan Radio Co., Ltd	3GPPM ARIB	JP
88	Mr.	Norbert	Klehn	Norbert.klehn@icn.siemens.	SIEMENS AG	3GPPM ETSI	DE
89	Mr.	Hiroshi	Komatsu	hkomatsu@japna-telecom.c	Japan Telecom Co. Ltd	3GPPM ARIB	JP
90	Mr.	Allen	Kozycki	akozycki@powertel.com	Powertel, Inc.	3GPPM T1	US
91	Mr.	Kari	Lang	kari.lang@research.nokia.co	NOKIA Corporation	3GPPM ETSI	FI
92	Mr.	Matti	Laserson	matti@transky.com	IAEI	3GPPM ETSI	IL
93	Mr.	Herve	Le Pocher	herve_lepocher@pmc-sierra	PMC-Sierra, Inc.	3GPPM ETSI	CA

		<i>Person's name:</i>	<i>email</i>	<i>Organisation name, status, partner and country</i>		<i>Role</i>
94	Mr.	Dong Myu Lee	lee_dong_myung@asia.css.	MOTOROLA ELEC. & COMM.	3GPPM TTA	KR
95	Mr.	Narm-Hee Lee	nhlee@amadeus.etri.re.kr	ETRI	3GPPM TTA	KR
96	Dr.	Sun Bae Lim	sblim@amadeus.etri.re.kr	ETRI	3GPPM TTA	KR
97	Mr.	Edgar Lycksell	edgar.a.lycksell@telia.se	TELIA AB	3GPPM ETSI	SE
98	Mr.	Yutaka Maeda	maeda@arib.or.jp	ARIB	3GPPO ARIB	JP
99	Mr.	Per Malmbak	tres01@email.mot.com	MOTOROLA GmbH	3GPPM ETSI	DE
100	Mr.	John Meredith	john.meredith@etsi.fr	ETSI	3GPPO ETSI	FR
101	Mr.	Jürgen Merkel	JMERKEL@ALCATEL.DE	ALCATEL SEL AG	3GPPM ETSI	DE
102	Ms.	Stephanie Montgomery		TIA	3GPPO OTHER	US
103	Mr.	Shun-Ichir Nagareda	shun-ichiro.nagareda@yrp.	Matsushita Communication	3GPPM TTC	JP
104	Mr.	Tatsushi Nakahira	nakahira@mob.ntc.co.jp	Nippon Telecommunications	3GPPM TTC	JP
105	Mr.	Hiroshi Nakamura	naka@nw.yrp.nttdocomo.co.	NTT DoCoMo	3GPPM ARIB	JP
106	Mr.	Bjarke Nielsen	bjarke.nielsen@ipce.eu.sony	SONY INTERNATIONAL (EUROPE)	3GPPM ETSI	DE
107	Mr.	Markku Nieminen	markku.nieminen@hpy.fi	Finnet Group	3GPPM ETSI	FI
108	Mr.	Seiji Nishioka	nishioka@serdev.nttdocomo	NTT DoCoMo	3GPPM ETSI	JP
109	Mr.	Akishige Noda	noda@ss.ts.fujitsu.co.jp	Fujitsu Limited	3GPPM TTC	JP
110	Mr.	Toon Norp	a.h.j.norp@research.kpn.co	KPN	3GPPM ETSI	NL
111	Mr.	Toshiya Ohuchi	ouchi@tcd.hitachi.co.jp	Hitachi Ltd	3GPPM TTC	JP
112	Mr.	Nobutaka Okuyama	nicko@lsil.com	LSI LOGIC	3GPPM ARIB	JP

<i>Person's name:</i>				<i>email</i>	<i>Organisation name, status, partner and country</i>	<i>Role</i>
113	Mr.	Vinod	Pandey	vinod.pandey@icn.siemens.	SIEMENS INFO & COMM NTWKS, I	3GPPM T1 US
114	Mr.	Chong-ye	Park	pcy@lgic.co.kr	LGIC	3GPPM TTA KR
115	Mr.	Ian	Park	ian.park@VF.VODAFONE.C	VODAFONE Group Plc	3GPPM ETSI GB
116	Mr.	Panjong	Park	p.park@ieee.org	DACOM Corporation	3GPPM TTA KR
117	Mr.	Kari	Pehkonen	kari.pehkonen@nmp.nokia.c	Nokia Mobile Communications	3GPPM ARIB JP
118	Mrs.	Valentina	Petrone	vpetrone@tim.it	TELECOM ITALIA S.p.A.	3GPPM ETSI IT
119	Mr.	Simon	Pike	spike2@lucent.com	Lucent Technologies BCS & ME	3GPPM ETSI DE
120	Mr.	Maurice	Pope	maurice.pope@etsi.fr	ETSI	3GPPO ETSI FR
121	Mr.	Pietro	Porzio Giusto	pporzio@tim.it	TELECOM ITALIA S.p.A.	3GPPM ETSI IT
122	Mr.	Johannes	Rainer	johannes.rainer@telekom.at	Telekom Austria AG	3GPPM ETSI AT
123	Mr.	Jean Gabri	Remy	jean-gabriel.remy@mail1.sfr.	CEGETEL	3GPPM ETSI FR
124	Ms.	Margaret	Robbins	margaret.robbins@ntc.nokia	Nokia Telecommunications Inc.	3GPPM T1 US
125	Mr.	Bill	Robinson	bill_robinson@euro.css.mot.	MOTOROLA Ltd	3GPPM ETSI GB
126	Mr.	Graham	Rose	graham.rose@etsi.fr	ETSI	3GPPO ETSI FR
127	Mr.	Karl Heinz	Rosenbrock	rosenbrock@etsi.fr	ETSI	3GPPO ETSI FR
128	Mr.	Chang-Ho	Ryoo	changho.ryoo@ekk.ericsson	ERICSSON KOREA	3GPPM TTA KR
129	Mr.	Joon	Ryu	joonryu@khgw.info.samsun	Samsung Electronics Co., Ltd	3GPPM TTA KR
130	Mr.	Wolfgang	Sachse	wolfgang.sachse@d2privat.	MANNESMANN Mobilfunk GmbH	3GPPM ETSI DE
131	Mr.	Gunnar	Sandegren	gunnar.sandegren@era.eric	ERICSSON L.M.	3GPPM ETSI SE



	<i>Person's name:</i>			<i>email</i>	<i>Organisation name, status, partner and country</i>		<i>Role</i>
132	Mr.	Akio	Sasaki	sasaki@arib.or.jp	ARIB	3GPPO ARIB	JP
133	Mr.	Gary	Schlanger	schlanger@att.com	AT&T Corp.	3GPPM T1	US
134	Dr.	Harald	Schmidts	harald.schmidts@icn.siemens	Siemens K.K.	3GPPM TTC	JP
135	Mr.	Adrian	Scrase	adrian.scrase@etsi.fr	ETSI	3GPPO ETSI	FR
136	Dr.	Mike	Sharpe	mike.sharpe@etsi.fr	ETSI	3GPPO ETSI	FR
137	Ms.	Pilar	Sierra	sierra_p@tsm.es	TELEFONICA de España S.A.	3GPPM ETSI	ES
138	Mr.	Paul	Simmons	Paul.simmons@nortelnetwor	MATRA RADIO SYSTEMS S.A.	3GPPM ETSI	ES
139	Mr.	Lauri	Söderbacka	lauri.soderbacka@ntc.nokia.	Nokia Japan	3GPPM TTC	JP
140	Mr.	Prem	Sood		SHARP Corporation	3GPPM ARIB	JP
141	Dr.	Norvald	Stol	norvald.stol@item.ntnu.no	TELENOR AS	3GPPM ETSI	NO
142	Dr.	Weimin	Sun	aws005@email.mot.com	Motorola Inc.	3GPPM T1	US
143	Mr.	Jonas	Sundborg	jonas.sundborg@era.ericsson	ERICSSON L.M.	3GPPM ETSI	SE
144	Mr.	Tatsumi	Takabatake	takabatake@mcs.abk.nec.c	NEC Corporation	3GPPM TTC	JP
145	Mr.	Walter	Tamminen	walt.tamminen@ntc.nokia.co	Nokia Telecommunications Inc.	3GPPM T1	US
146	Mr.	Guido	Tognetti	guido.tognetti@rs1.telital.it	TELITAL S.p.A.	3GPPM ETSI	IT
147	Ms.	Paola	Tonelli	paola.tonelli@airtouch.com	AirTouch Belgium S.A.	3GPPM ETSI	BE
148	Mr.	Stefan	Toth	stefan@eritel.se	ERICSSON L.M.	3GPPM ETSI	SE
149	Mr.	Finn	Trosby	finn.trosby@oslo.mobile.tele	TELENOR AS	3GPPM ETSI	NO
150	Ms.	Linda	Troy	linda.troy@ericsson.com	Ericsson Inc.	3GPPM T1	US

<i>Person's name:</i>				<i>email</i>	<i>Organisation name, status, partner and country</i>	<i>Role</i>
151	Mr.	Pierre	Truong	euspmt@am1.ericsson.se	Ericsson Inc.	3GPPM T1 US
152	Mr.	Jari	Vainikka	jari.vainikka@ntc.nokia.com	NOKIA Corporation	3GPPM ETSI FI
153	Mr.	Willy	Verbestel	p26458@email.mot.com	Motorola Inc.	3GPPM T1 US
154	Mr.	Carsten	Wagner	carsten.wagner@rsd.de	ROHDE & SCHWARZ GmbH & Co.K	3GPPM ETSI DE
155	Mr.	Christophe	Wallace	chris.wallace@ntc.nokia.co	Nokia Telecommunications Inc.	3GPPM T1 US
156	Mr.	Kyu-Jin	Wee	kjwee@cc.rrl.go.kr	RADIO RESEARCH LABORATORY	3GPPM TTA KR
157	Mr.	Keith	Whittingham	whittingk@ra.gtbet.gov.uk	DTI	3GPPM ETSI GB
158	Mr.	Anthony	Wiener	tony.wiener@one2one.co.uk	MERCURY Personal Communication	3GPPM ETSI GB
159	Mr.	Tom	Wikstrom	tom.wikstrom@thk.fi	TELECOM. ADMIN. CENTRE	3GPPM ETSI FI
160	Mr.	Stan	Willemsen	stan.willemsen@bch.siemens	SIEMENS ATEA NV	3GPPM ETSI BE
161	Mr.	Randolph	Wohlert	r.wohlert@tri.sbc.com	Pacific Bell Wireless	3GPPM T1 US
162	Mr.	Melvin	Woinsky	woinsky@nortel.com	Nortel Networks	3GPPM T1 US
163	Ms.	Emmanuel	Wurffel	emmanuelle.wurffel@etsi.fr	ETSI	3GPPO ETSI FR
164	Mr.	Masami	Yabusaki	yabusaki@docomo.fr	DoCoMo Europe S.A.	3GPPM ETSI FR
165	Mr.	Masahiko	Yahagi	m_yahagi@mcs.abk.nec.co.	NEC Corporation	3GPPM TTC JP
166	Mr.	Koji	Yamamoto	yamamoto@nw.yrp.nttdoco	NTT DoCoMo	3GPPM TTC JP
167	Mr.	Yukio	YOSHIMURA	yosimura@mcs.mt.nec.co.jp	NEC Corporation	3GPPM ARIB JP
168	Mr.	Albert	Yuhan	ayuhan@omnipoint-pcs.com	Omnipoint Corporation	3GPPM T1 US
169	Mr.	Yanni	Zacharioudakis	yzachari@notes.cc.bellcore.	Bellcore	3GPPM T1 US

<i>Person's name:</i>				<i>email</i>	<i>Organisation name, status, partner and country</i>			<i>Role</i>
170	Mr.	Donald	ZELMER	dzelmer@pcs.bls.com	Bellsouth Cellular	3GPPM T1	US	
171	Mrs.	Karin	Zickermann	kzgbt@aol.com	GOLDEN BRIDGE TECHNOLOGY I	3GPPM ETSI	US	
172	Mr.	Adrian	Zoicas	adrian.zoicas@etsi.fr	ETSI	3GPPO ETSI	FR	

# 3GPP TSG CN (Core Networks)

## List of documents

MTG NO.	NUMBER	TITLE	SOURCE	AGENDA ITEM	REPLACED BY
CN_02	NP-99001	Draft agenda	Convenor	3	
	NP-99002	LS regarding Service Development Process (T1-99022)	TSG-T1, T2, T3	10	
	NP-99003	Test specification structure and schedule (T1-99026)	TSG-T1	10	
	NP-99004	Report of the TSG-CN-WG3 (N2-99009)	TSG-CN-WG3 Convenors	7,3	
	NP-99005	Proposed Terms of Reference and Dependencies to Other Groups (N3-99008)	WG CN3	7,3	NP-99062
	NP-99006	Procedure for election of TSG CN Chairman & Vice Chairman	Secretariat	6	
	NP-99007	WITHDRAWN [List of members (people) of TSG CN]	Secretariat		withdrawn
	NP-99008	List of Individual Members (organizations) of TSG CN based on attendance at first meeting and subsequent registrations	Secretariat	6	
	NP-99009	Candidate vice-chairman, TSG-CN - Ian Park	Vodafone (ETSI)	6	
	NP-99010	Candidate chairman ( / vice-chairman), TSG-CN - Harald Detner	Siemens (ETSI)	6	
	NP-99011	Candidate vice-chairman, TSG-CN - Stephen Hayes	Ericsson (T1)	6	
	NP-99012	Candidate chairman ( / vice-chairman), TSG-CN2 - Ian Park	Vodafone (ETSI)	7,2	
	NP-99013	Candidate chairman ( / vice-chairman), TSG-CN1 - Hannu Hietalahti	Nokia (ETSI)	7,1	
	NP-99014	Candidate vice-chairman, TSG-CN - Ermanno Berruto	Telecom Italia (ETSI)	6	
	NP-99015	Draft Report of the joint TSG sessions, Sophia Antipolis	TSG-SA Secretary	4	
	NP-99016	Candidate vice-chairman, TSG-CN - Masami Yabusaki	NTT DoCoMo	6	
	NP-99017	SMG3 WPA/TSG CN1 Meeting Report	Johan Petersen (ETSI STF12)	7,1	
	NP-99018	SMG3/ TSG CN WGs Meeting Report	Johan Petersen (ETSI STF12)	7	
	NP-99019	Report from the TSGN WG1 Work Item Ad-Hoc meeting	Johan Petersen (ETSI STF12)	7,1	
	NP-99020	Proposed guidelines for 3GPP TSG-CN-WG1 Work	TSGN WG1 Convenor	7,1	NP-99059
	NP-99021	Procedure for the Definition of User Equipment Capabilities in 3GPP	NEC, NTT DoCoMo, Samsung Electronics	11	
	NP-99022	Work Item List and Deadline for Other WIs	CN2 Convenors	8	
	NP-99023	Terms-of-Reference for TSG-N WG2	CN2 Convenors	7,2	NP-99057
	NP-99024	Internal Structure of TSG-CN WG2	CN2 Convenors	7,2	
	NP-99025	Scope of 3GPP TSG-CN WG2 Wor	CN2 Convenors	7,2	
	NP-99026	Cooperation between TSG-CN WG2 and	CN2 Convenors	7,2	
	NP-99027	A proposal for document handling in TSG-CN-WG2	CN2 Convenors	11 / 7,2	
	NP-99028	TSG-CN-WG2 assessment of GSM documents relevant to TSG-CN-WG2	CN2 Convenors	8 / 7,2	

NP-99029	Multicall WI - Proposal	Fujitsu, Nokia, BT, NTT DoCoMo, NEC	8	
NP-99030	Separating RR and MM Specific parts of the MS CM WI	Fujitsu, NTT DoCoMo, NEC	8	
NP-99031	Variable Length of Security Parameters	Fujitsu, NTT	8	
NP-99032	Deadline for submitting contributions for decisions in meetings	AT&T (T1)	11	
NP-99033	Listing of ETSI SMG UMTS Deliverables, Reports and Description documents for possible transfer to 3GPP	ETSI Secretariat	8	
NP-99034	Procedure for Individual Member voting at TSG#2	3GPP Support Group	6	
NP-99035	Proposed Liaison on Proposed Work Item on : QoS Control for Asymmetric bearer for packet services	Harald Dettner (TSG_CN WG2)	8	
NP-99036	Draft report of joint SMG3 wpC / CN2 meeting, Feb 99	Franco Settimo (CN2 Secretary)	7,2	
NP-99037	Proposals for managing the TSG Project Co-ordination Role	Fred Harrison, TSG-S Convenor	10	
NP-99038	Proposed Working Methods for 3GPP Technical Specification Groups	SMG Group on Working Methods (WOME)	11	
NP-99039	Common Working Methods for TSGs and WGs	SMG Group on Working Methods (WOME)	11	
NP-99040	3GPP working procedures	3GPP Support Group	11	
NP-99041	Liaison statement on authentication requirements	TSG CN WG2	7,2	
NP-99042	Status report of TSG-N-WG2 to TSG-N plenary meeting #2	3GPP TSG-N WG2 Convenors	7,2	
NP-99043	Relataion SMG3 - TSG_CN	SIEMENS		
NP-99044	Meeting schedule Role TSG_N plenary	SIEMENS		
NP-99045	LIAISON STATEMENT ON FUTURE COLLABORATION	CHAIRMEN OF ITU-T STUDY GROUPS 11, 4 AND 7 AND THEIR COLLABORATORS ON IMT-2000 STANDARDIZATION	8	
NP-99046	Draft UMTS 30.00 Universal Mobile Telecommunications System; SMG Work	SMG	8	
NP-99047	Project Team Support for WGs of 3GPP TSGs	TSG SA WG2	11	
NP-99048	Appointment of TSG Leadership at Fort Lauderdale	PCG	6	
NP-99049	On "Procedure for definition of user equipment capabilities in 3GPP"	ERICSSON	8	
NP-99050	Concern regarding potential divergence of core network	AT&T, BT, FRANCE TELECOM, NTT DOCOMO, TIM, TMOBIL	8	
NP-99051	Comments on the Tdoc SMG3 3P99-070	TTC	8	
NP-99052	Work organisation within TSG CN	Siemens	8	

NP-99053	VHE Aspects in TSG CN	FRANCE TELECOM	8	NP-99065
NP-99054	TSG Plenary	AT&T, BT, FRANCE TELECOM, NTT DOCOMO, TIM, TMOBIL	11	
NP-99055	Voting rights	AT&T, BT, FRANCE TELECOM, NTT DOCOMO, TIM, TMOBIL	11	
NP-99056	LS to TSG SA WG3 on security requirements for UMTS	CN WG2 Convenor	8	
NP-99057	Terms of Reference for TSG-N WG2	TSG N WG2 Convenors	7.2	
NP-99058	Work items inherited by TSG N WG2 from SMG3 WPB & WPC	TSG N WG2 Convenors	7.2	
NP-99059	Proposed guidelines for 3GPP TSG-CN- WG1 Work	TSG N WG1 Convenor	7.1	NP-99075
NP-99060	Third generation mobile communications: the way forward for IPR	ETSI Secretariat	11	
NP-99061	Brief explanation of the numbering scheme of the SMG UMTS specification series	ETSI 3GPP support	11	
NP-99062	Proposed terms of Reference and Dependencies to Other Groups	WG CN3 Convenor	7.3	NP-99068
NP-99063	LS to TSG-CN, RAN, T on the proposed table format to show work plan of each TS/TR	TSG SA	8	
NP-99064	LS to TSG-CN, RAN, T on the proposal to use UMTS 22.00 and 23.20 for the purpose of technical coordination among TSGs and WGs	TSG SA	8	
NP-99065	VHE Aspects in TSG CN	FRANCE TELECOM	8	
NP-99066	Results of TSG elections	3GPP Support Group	6	
NP-99067	LS to TSG-CN, RAN, T	TSG SA	10	
NP-99068	Proposed terms of Reference and Dependencies to Other Groups	WG CN3 Convenor	7.3	
NP-99069	3G call control modol and protocols W1	TSG CN	8	
NP-99070	Report TSG CN#2	CN TSG Secretary	7.2	
NP-99071	Proposed Response to TSG_T Liaison on Service Development Process	Harald Dettner (TSG_CN WG2)	11	
NP-99072	Proposed Project Team support requirements	TSG CN Convenor (Steven Hayes)	12	
NP-99073	Meeting report from the Ad hoc meeting on Terminal Capabilities	Kevin Holley	8	
NP-99074	Liaison to SMG3, SMG on WIs and TS's for specs	TSG CN	9	
NP-99075	Proposed guidelines for 3GPP TSG-CN- WG1 Work	TSG N WG1 Convenor	7.1	
NP-99076	Terms of Reference for TSG-CN WG2	CN WG2 Convenor	7.2	nya
NP-99077				
NP-99078				
NP-99079				
NP-99080				
NP-99081				
NP-99082				

NP-99083				
NP-99084				
NP-99085				
NP-99086				
NP-99087				
NP-99088				
NP-99089				
NP-99090				
NP-99091				
NP-99092				
NP-99093				
NP-99094				
NP-99095				
NP-99096				
NP-99097				
NP-99098				
NP-99099				
NP-99100				