

Meeting #2, Fort Lauderdale, 2-4 March 1999

Source: **ETSI PT SMG**
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Title: **Draft Report of the joint SMG3 WPC and 3GPP
CN2 meeting**

Document for: **Information**

Attention: **Agenda item 7.2**

1 Opening of the meeting and approval of the agenda

John Meredith (ETSI) welcomed the meeting participants, giving some logistic information. Ian Park (Vodafone) and Masami Yabusaki (NTT DoCoMo Europe), co-convenors, opened the works with an overall presentation of participants.

The Agenda was approved with minor changes to its structure.

2 Introduction & grouping of contributions; allocation of a working session for each subject

Tdoc N2-99 002

Tdocs allocation to agenda items. Acceptable as originally produced, although by nature it is an evolving document along the meeting.

3 Terms of Reference of TSG-CN WG2

Tdoc N2-99 028

NTT DoCoMo Europe presented the document, starting directly with Annex A. In response to a comment from Samsung on distinction between the 3GPP work on UMTS and the ETSI work on UMTS, it was clarified that the document aimed at identifying the work areas for which the TSG is responsible, not their interworking/evolution in relation to the transition from GSM to UMTS.

The nature of interworking, as requested by Marconi, needed to be better specified, due to the requirement (from all Operators) of ensuring the maximum level of interworking between GSM and UMTS networks. Handover between GSM and UMTS could be an example. The definition of interworking with second generation networks might need some refinement, before deciding whether allocating it to WG2 or WG3.

WG2 agreed to proposing that interworking between second and third generation networks belongs to WG2, although some refinement might be needed. It was also clarified that in this context "second generation" means GSM: interworking with other 2nd generation digital systems (IS-41 or PDC, for example) is a matter for local (i.e. regional) discussion. Siemens raised the question of division of responsibility for architecture between TSG SA and TSG CN, and within TSG CN. NTT DoCoMo Europe's view is that WG2 should deal with mobility management interworking, whereas WG3 deals with bearer service interworking.

The ToR will be edited accordingly and a specific WG2 output document will be submitted for approval to TSG CN.

The impact of handover on core network signalling (although a typical radio feature) was presented as an example by the Chairman, in response to a question by Nortel. The addition of "roaming" to

“handover” was considered a satisfactory refinement to the text. A preamble to the ToR was suggested by BT and will be drafted by Vodafone.

Packet switched functionality, due to its evolutionary nature, needed to be properly emphasised in the ToR. A specific bullet point is the natural place to add some clarifying text in the above sense, to show what is really specific to WG2, since the issue is relevant to WG3 as well.

Vodafone elaborated the following preamble for the ToR: “These Terms of Reference are intended to define at a high level the responsibilities of TSG CN, and to provide the basis for dividing these responsibilities between the Working Groups”. A similar exercise was made by Stephen Hayes on packet related issues in the WG2 ToR: Development and evolution of core network protocols for the support of packet and multimedia services.

With this addition, discussion to Chapt. 3.1 was closed.

Limitations for packet issues in the ToR should be identified properly. It was suggested to list the specifications that are going to be maintained by WG2. Maintenance of Supplementary Services inherited from previous releases, not only definition of new ones, suggested to be a part of WG2 ToR.

Development of a network reference model for Third generation Core Network: it is in the ToR but it has never been a WPC activity and previous experience in SMG1 was absolutely disappointing. Marconi indicated that practical network models (e.g. that included in GSM 09.02) are already available. Alcatel, furthermore, expressed favour for a network protocol model, that Nortel recommended to keep as simple as possible.

In conclusion, the Network model should aim at defining the interfaces where protocols talk to each. This was found to be a manageable definition.

Concerning a different allocation of meetings (Wednesday-to-Wednesday), it was requested to clarify advantages. The issue will be raised at the next meeting.

4 Working Methods of TSG-CN WG2

4.1 Frequency of meetings

Tdoc N2-99 010

The frequency of meetings should be carefully traded-off with the time necessary to actually progress the work. Marconi suggested a minimum interval of six weeks, while TTC recommended meeting at monthly intervals, due to the time pressure on completing specifications by end 1999.

As a starting assumption, WG2 accepted the schedule of WPC meetings for 1999, plus the April joint meeting in Turkey with SPS3, with a common part with WPC that might last longer than two days (three days, for example). It was agreed to arrange more meetings, if so required by the activity progress. On more technical issues, Nortel raised the question of using ETSI INAP CS-2 or ITU-T INAP as the base for CAMEL phase 3. This triggered big debate. Eventually concluded that ETSI INAP should be the working assumption, with a door open for contributions to overturn it.

Equality of status of meetings, as proposed in Tdoc N2-99 010 was noted as an important point and it was also found essential to highlight explicitly open issues in the meeting reports.

Tdoc N2-99 022

TTC presented the material not yet covered in the preceding discussion. The principle of the document was the inclusion in a single Spec of the overall information flow and a proposal will be presented by TTC for discussion in the CN plenary in Fort Lauderdale, if so agreed. Ericsson noted that acceptance of the document will mean duplicating GSM information, spread around through various documents, and this always created problems in the past. TTC was then requested why they felt the need of unifying information flow in a single document.

TTC was eventually invited to edit a part of the document for discussion in Fort Lauderdale and to review the document size.

4.2 Internal structure of TSG-CN WG2

Tdoc N2-99 028

It was proposed to constitute 2 Subgroups (A and B). Marconi however identified some areas (e.g. CAMEL and GPRS) of mutual exchange of work, with possible joint meetings. The principle of ad-hoc meetings was then proposed and accepted, even if the activity will not be scheduled as a long term remit. Interworking with fixed network signalling protocols, (e.g. ISUP and B-ISUP), was another example of such mutual exchange areas.

The issue of secretarial support for the two subgroups was raised and turned into the requirement of two secretaries, one for each subgroup. The two subgroups should meet at the same time and in the same place, although this might cause problems to the hosts: experience in WPC showed that delegates might need to move between subgroups, during the same meeting. Early registration (as well as prompt sending of the invitation) was recommended as a good practice, due to the potential need for big meeting rooms. Separated hosts can be accepted on exceptional basis, but strong interaction between the subgroups was found to be absolutely necessary.

To balance the load between the subgroups, activities could be split in the following way:

Subgroup A: ...

Subgroup B: Mobility Management, ...

4.3 Co-operation with other groups (SMG3 WP'C', SPS3, ...)

Informally, there will be a list of internal bodies within 3GPP cooperating with CN WG2. The question was raised whether WG2 needs to establish formal relationship with external bodies that seem to be the most interesting to work with, e.g. WPC and SPS3.

Consensus in WG2 is normally expected to mean consensus on the same issue by WPC as well. Consequently, very low level of formality was recommended.

Tdoc N2-99 010

Alcatel presented a proposal on cooperation between SMG3 and SPS3. A predefined structure of SPS3 and WPC meetings already exists for 1999. It was proposed to continue the co-operation to include TSG-CN WG2. No real conclusion was reached on this issue.

Tdoc N2-99 028

Proposed guidelines for 3GPP TSG-CN-WG2 Work. Siemens identified that GSM supplementary services work will require interaction with TSG-S1 & TSG-S2 and T-Mobil raised the question of how to handle enhanced USSD. It was then proposed to have 2 categories of work item: those expected to attract contributions, and those to go on the agenda only if there is advanced notice that there will be contributions. BT flagged up the need to develop time plan, with the usual "caveat" of doing over-detailed plans. A final question: how formal does the reapproval by SMG & STCs of outputs from WG2 have to be? It should be possible to go straight from TSG CN (WG2) to SMG.

4.4 Available baseline documents

Tdoc N2-99 005

3GPP Document numbering and FTP directory structure. Noted.

Tdoc N2-99 035

Vodafone contribution aiming at identifying GSM Specs that are relevant to WG2. The list included: GSM 03.03 (primary responsibility lies now in SMG3); 03.04 and 03.05, that are in dormant state; 03.07 that is relevant to WG2. 03.09 will need to be superseded by a new specification. GSM 03.11 will be inherited from WPB, with concerns that the impact could be really large: a medium impact seemed more reasonable to WG2. GSM 03.12, 03.15, 03.18 (impact changed from small to medium).

04 series: GSM 04.10 should be handled by WG1. 04.67 was traditionally handled by WPB: it could be passed to WG1 because it deals with radio interface signalling, but to WG2 as well, signalling being encapsulated in services. Decision needs to be taken quickly by the CN Plenary.

09 series: GSM 09.01 (sleeping, needs major updates or a completely new one is necessary). It needs to be replaced to reflect the interworking between UMTS and GSM. GSM 09.03 deals with interworking with ISUP v1, it is in dormant state, cat. 5, i.e. not subject to any further maintenance. GSM 09.09 dormant as well, cat. 5. GSM 09.10 and 09.11 still reflect a lot of modelling of the interworking between access interface and the interface between MSC and VLR. Rather than update them, a new single specification that supersedes them seemed a better solution. Accepted. Joint expertise from WG1 and WG2 was found to be needed.

The ToR of WG2 should reflect the responsibility of supplementary services, excluding the radio interface. The Chairman indicated primary responsibility for WG2 on the successor Spec. of 09.10/09.11.

GSM 09.12 and 09.14 are conceptually associated with each other and represent the base for the interconnection between GSM and PSTN. WG2 should create the framework for interworking between UMTS and ITU ISUP, then the regional standards bodies might adapt it to specific regional realities. A proposal from Siemens, instead, suggested not to hand-over these two specs to WG2 but maintaining them under SMG control, in order to simplify maintenance of the regional standard (ITU ISUP, furthermore, is still under evolution). Hence, WG2 will not attempt to develop a standard for global interworking.

GSM 09.13 specifies interworking between MAP Protocols and ISDN Supplementary services Application Protocols. Similar approach for 09.12 and 09.14 should apply, since the Spec is very ETSI specific.

GSM 09.60 must remain under WG2 responsibility. Justifying argument: GTP is functionally similar to MAP and the strongest impact is on the signalling part. GSM 09.78 is definitely under WG2 responsibility but the impact on UMTS is certainly significant (not low, as indicated in the Tdoc).

A question was raised about how to treat normative reference to ETSI standards. It was proposed to make reference to ITU-T specifications or, another suggestion, to omit references. The issue needs careful study and contributions were requested for the next two meetings, with a CN2 target to recommend a solution to CN, after the May meeting.

4.5 Document handling

Tdoc N2-99 028

Proposed guidelines for 3GPP TSG-CN-WG2 Work. A low paper regime was suggested, although it was found impractical to work completely paperless, since, for example, SDLs might become quickly unreadable. The availability of an updated version of the TdocList was found useful to filter documents according to each participant interest.

Paper copies should be made available for everybody whenever Tdocs contain SDLs, according to Siemens, but in this case the contributor should clearly indicate to the host that paper copies are necessary. Additionally, the originator should also indicate how many copies need to be provided.

As a principle, for the documents received up to 5 working days before the meeting, the host will provide an agreed amount of paper copies (more copies might be brought from the contributor). For late contributions, i.e. less than 5 days before, paper copies must be brought by the contributor. Contributions brought during the meeting will not be rejected purely on that basis, although they might be admitted with a lower priority order.

For documents distributed during the meeting, soft copies will be distributed by floppy disk (not CD).

Vodafone indicated that submission of CRs during this meeting was premature and that it was preferable to start with Work Items discussion. NTT DoCoMo Europe indicated that CRs could be considered as complementary documents to Work Items description, but with low priority.

4.6 Rapporteurships

The Chairman requested whether there were volunteers for the open positions relating to Specs under WPC responsibility. A Rapporteur is needed for 03.78, since Noel Crespi is unable to continue.

Alcatel will be the Editor for GSM 03.78 until April '99. GSM 09.78 and 09.02 will be handled by Ericsson (Jan Ellsberger and Roger Noldus).

5 Work items to be handled by TSG-CN WG2.

5.1 Mobility Management

Tdoc N2-99 003

LS from SMG12 on Single Mobility Management instance in the HLR, presented by NEC UK. The impact of this network element does not seem to be on Mobility Management protocol but on the internal structure of the HLR. For the moment, the document was noted and contributions to propose a work item by the next meeting were requested.

5.2 UMTS Simultaneous packet mode

Tdoc N2-99 006

LS from SMG12 presented by NEC UK. See discussion against N2-99 007.

Tdoc N2-99 007

Response of SA-WG1 to the above LS. It was observed that in UMTS there will be Mobile Terminals supporting both Packet and Circuit mode at the same time. Probably the original SMG12 proposal was not sufficiently clear and NTT DoCoMo had concerns that before making progress with the work, CN2 needed to have a proper WID. Question raised: is it a Work Item for WG2? Nortel volunteered to draft the response LS, which should include more specific service requirements, although not structured as Stage 1, 2 etc. requirements (as was common practice in WPC work).

The Work Item description should be finalised for the next joint meeting, (March, Issy les Moulineaux). However, there should be a Work Item in existence, since service requirements are contained in basic UMTS specifications. SMG12 should at least tell CN2 when 23.20 is expected to be **stable** enough, to proceed with work in other groups. BT believes extremely important that CN2 do not waste time on discussion on Work Items, otherwise the target of specifying network protocols relating to the WI themselves could be missed. Vodafone, however, proposed a more proactive approach, i.e. that WG2 proposes WIs, instead of simply accepting/rejecting inputs from other bodies. This approach seemed to take in due account the visible Japanese proactiveness.

A second deadline, for additional WI, was proposed by NTT DoCoMo for the joint May meeting of WPC/WG2, while Vodafone expressed preference to have this WI list before, e.g. for the Issy les Moulineaux meeting (March '99). Still the deadline of completing WIs by the end of 1999 remains.

In summary: work undertaken in WG2 must have a WI and WI descriptions must be ready before May. SA Working Groups seem to be the natural recipients of our Work Item descriptions, and most likely they will have an overall view on them. Siemens recommended that as soon as possible, WG2 compiles a list of Work Items they are working on.

5.3 GPRS evolution

Tdoc N2-99 009

Liaison statement received from SMG12 for information. Noted.

5.4 CAMEL Phase 3

Tdoc N2-99 023

Responding to a question of the Chairman (whether SMG1 had previously been sent the Tdoc), Vodafone observed that most likely there is a significant overlap between the Service features proposed for inclusion by the tdoc originator and those that are already included in CAMEL by SMG1.

A request for revision should be sent as soon as possible to SA-WG1 asking them to identify all the extra items for Stage 1 CAMEL Phase 3: a quick reaction from SA-WG1 would enable to process their request in the Issy les Moulineaux meeting in March.

The Chairman proposed to postpone this WI until the next meeting. Sonera proposed to note the document, ask TTC to forward it to SA-WG1 and start working on the working assumption of CAMEL Phase 3, as elaborated by WPC. It was clarified that the document, with very useful material to be discussed when dealing with CAMEL Phase 3, was not rejected.

Tdoc N2-99 011, 020, 041, 021

Vodafone noted a common denominator in the documents, i.e. that they all were addressing quite reasonable issues, already in progress in WPC, with consequently no need for a work item.

Content of Tdoc 11 will be submitted as a contribution to the next meeting in March.

Tdoc 020 contains useful information, already considered for CAMEL Phase 3 Stage 1 by WPC.

Tdoc 041 relates to Removal of Non reachable Detection Points, an argument already covered by WPC, although some confusion was raised at the SMG level by two inconsistent decisions. Also in this case, no need to produce a Work item. Summarising, no Work Item to be submitted in relation to the Virtual Home Environment.

5.5 Out-of-band transcoder control

Tdoc N2-99 012

WI on Out-of-band Transcoder Control proposed by TTC SWG621 (NEC). For this WI, a feasibility study was requested. Vodafone noted that, in order for the out-of-band signalling to work, there is a big gap to fill between the involved MSCs and the procedure described in the document needed further elaboration.

5.6 Pre-paging

Tdoc N2-99 014, 024, 026, 027

The Work Item was presented by NEC. Clarified that pre-paging aims at saving a useless fixed connection for those mobiles which are outside coverage and, consequently, cannot respond to paging. MSRN should only be sent after the called mobile has responded to paging.

Vodafone requested to clarify whether it is a functionality that the Visited Network of the called subscriber will decide to implement or that the Home Network of the Called subscriber might decide to request. This will heavily influence the network protocols. Also in this case, a report on the implications of the functionality seemed useful, and was requested before entering the CR process.

The WI was approved by SMG#28. However, Vodafone recommended to see the feasibility report before accepting (or possibly changing parts of) the WI and starting implementing the necessary CRs. Due to the likely heavy impact on GSM 09.02, it was also recommended to clarify the work needed (and the time schedule) at the very beginning. The issue has been already studied elsewhere in the mobile context and interactions with other services need be carefully assessed.

The following modified timescale was agreed: Approval of WI (February), Start of Report (February), Scope and first draft (March, in Issy les Moulineaux), Approval of deliverable by WG2 (May). Impact on the terminal (in the paging mode, a set up message is expected rather soon) was also clarified by Vodafone.

CR to GSM 03.18 for pre-paging and CR to GSM 09.02 for pre-paging were tabled for information.

5.7 GLR

Tdoc N2-99 015 and N2-99 039

NEC presented a Work Item on the Gateway Location Register, a new network node, aiming at optimising the MAP related load on the long distance links. No objections: contributions for the Stage 2 should be received no later than May, but preferably for the March meeting. The introduction of a new network entity will influence significantly GSM 09.02. It was requested whether GLR is optional or not: in the former case, the protocols will in any case ensure interworking between networks with or without GLR.

Ericsson requested a report with the implications of the introduction of GLR in the network, with all possible interworking scenarios. A draft report will be distributed after the meeting. It was also clarified that, although initiated by SMG12, the work on GLR will be carried on by TSG CN.

Tdoc N2-99 039 expands on 15 by showing example message flows. It will be subsumed into the NEC WI.

5.8 BS/TS Negotiations

Tdoc N2-99 017 and 018

Proposed Work Item: Bearer Services and Teleservices negotiation. For all 3 WIs (012, 017, 018) a significant enhancement to either ISUP or MAP is needed. Accepted proposal to work on feasibility studies and produce report, with timescales as for GLR & pre-paging studies. T-Mobile asked how WG1 involvement could be asked, bearing in mind their involvement in access signalling. NTT DoCoMo Europe preferred to start working independently, and then co-ordinate later; Siemens recommended to raise the issue in the CN plenary, to co-ordinate between WG1 and WG2.

Nortel pointed out that an early joint meeting would reduce the need for rework. Alcatel suggested that an initial proposal for the functional outline should be prepared by WG2, and then discussed between WG1 & WG2. Siemens finally suggested that this is an issue for a "technical plenary" of CN. More clarifying discussions between CN2 & SA2 seemed to be necessary.

5.9 Use of B-ISUP

Tdoc N2-99 019

Proposed Work Item: Call Associated Signalling (Application of B-ISDN User Part for the PLMN). Withdrawn.

5.11 CS/PS Coordination

Tdoc N2-99 025

Proposed Work Item: Extension of MAP CS/PS co-ordination procedure. Withdrawn.

5.12 Authentication

Tdoc N2-99 029, N2-99 030 and N2-99 031

The WI rationale was presented by NTT Soft. The WI does not seem to have been already forwarded to SA-WG3, expected to consider it with a great attention. Agreed to send it by e-mail to SA-WG3 at the earliest opportunity, since they have primary responsibility of the WI (CN-WG2 will be then responsible for protocol development). CN-WG1, according to Siemens, should also be duly informed. More detailed work on the network protocols might be a waste of time, at least before having a reaction from SA-WG3. An LS to SA3 was proposed by NTT DoCoMo Europe, asking for their opinion prior to start working.

Tdocs 030 and 031 were tabled for information as background to 029.

5.14 Multiple Calls

Tdoc N2-99 036, 037, 038

WI on Maximum Call Number of Multiple Call. The Chairman asked whether the service requirements had been submitted to SA-WG1. The possibility exists for Multiple Circuit Switched and Multiple Packet Switched connections in parallel. Recommended to treat it in a different way, since although informally, SA-WG1 has endorsed this WI. However, more details on the exact meaning and philosophy of a Multiple Call seemed necessary before progressing with the activity. T-Mobile volunteered in drafting a Liaison Statement to SA-WG1.

Tdocs 037 and 038 were tabled for information.

5.13 QoS for packet services

Tdoc N2-99 032

WI on QoS Control for asymmetric bearer for packet services. Probably a more stable context, i.e. in SA2, is needed to start working on such a critical issue. A Liaison Statement to SA-WG2 will be drafted by Siemens.

6 Any other business

6.1 Arrangements for election of Chairman & Vice-Chairman

Tdoc N2-99 013

Noted for information. Candidates can announce their availability at any time, even if some advance notice was suggested for convenience. Some formality is required for the documents to be produced.

Tdoc N2-99 016

Noted for information.

Tdoc N2-99 042

Candidature for WG2 Chairmanship of Ian Park. Noted for information. When Chairman and Vice Chairman are elected, it seems natural that each will chair a subgroup. Clarified that the process for appointing the Chairman of a Sub Working Group is much less formal than the WG Chairman.

Tdoc N2-99 057

NTT DoCoMo Europe proposed to make the internal structure of WG2 (with the two subgroups) more visible, as well as the requirement of two secretaries and two Subgroups chairmen. It was proposed that Chairman and Vice Chairman of WG2 will chair subgroups and, furthermore, BT requested to clarify that individual ad-hoc meetings for a subgroup could be convened, if necessary. However, Siemens proposed to de-couple the election of WG2 Chairman from the subgroup Chairmen. Art.36 of the 3GPP procedure will apply.

Tdoc N2-99 040

Proposed document handling procedure for 3GPP TSG-CN-WG2. Two types of documents were identified, with and without SDLs, subject to two different treatments. General principles for document submission and copying were illustrated. Recommended to always send compressed (i.e. zipped) files.

A preference for pdf versions was expressed by Nortel, because of their lower vulnerability to viruses: hence pdf files should be preferred. A more systematic approach for labeling the floppy disk, so that it is clear which day it was circulated etc., was also recommended by Nortel.

Concerns were expressed about multiple versions of Word, that must be avoided. The preferential version will be vers. 6/95. Further discussions at a higher level, e.g. SMG plenary, will probably clarify the issue. Rtf versions were found to be, in general, of higher size than doc versions.

6.2 Other business

7 Approval of output documents

Tdoc N2-99 034

Revision of N2-99 033. Revised ToR of WG2. Signalling for interworking will be related to GSM, not to 2nd generation networks in general. It will be jointly presented, with the agreed changes, by the two co-convenors of the meeting.

Tdoc N2-99 044

LS on authentication to SA WG3. With the current specs, Operators can select authentication algorithms: constraints are in the length of RAND and SRES. The requirement of using variable length parameters is not an issue for this group (rather, SA WG3): the question for CN2 is whether there is the requirement to transmit parameters of different length. A prompt response (by March meeting) from WG3 is unlikely, they might not even meet in between. It seemed more reasonable to request a response by our May meeting. Response will be delivered to us by May 7th in order to be discussed.

Revised version in Tdoc N2-99 063.

Tdoc N2-99 045

LS to SMG12 on Simultaneous modes. NTT DoCoMo requested to add a sentence regarding the expected date by which 23.20 should reach stability, at least about Simultaneous modes.

Revised in Tdoc 064.

Tdoc N2-99 046

Presented by T-Mobile. NEC requested to fix a date for the response to the LS. With the indication of the date, it was agreed.

Revised in Tdoc 065, that will be sent to the SA1 Chairman (Alan Cox).

Tdoc N2-99 047

Presented by Nortel, in the absence of Siemens. Agreed to send it to the CN plenary with no changes.

Tdoc N2-99 048

Deltas in respect to the original proposal were presented by NEC. Agreed to be submitted to the CN Plenary.

Tdoc N2-99 049

Agreed. To be submitted to the CN plenary.

Tdoc N2-99 050

Agreed. To be submitted to the CN Plenary.

Tdoc N2-99 051

Agreed. To be submitted to the CN Plenary.

Tdoc N2-99 052

Agreed. To be submitted to the CN Plenary.

Tdoc N2-99 053

Agreed. To be submitted to the CN Plenary.

Tdoc N2-99 054

T-Mobile suggests to put it on hold, since WG2 is expecting a broader report on Multiple calls. Eventually agreed. It will be submitted to the CN Plenary.

Tdoc N2-99 055

Agreed. It will be submitted to the CN Plenary.

Tdoc N2-99 061

Coversheet to the Work Package list. Noted

Tdoc N2-99 056

Agreed. Revised scope presented to CN as an output of WG2.

Tdoc N2-99 059

Agreed. Presented to CN as output of WG2.

Tdoc N2-99 058

The September meeting of WPC might be hosted in Japan. Mannesmann could postpone the invitation in Dusseldorf to make it possible. Lucent is investigating whether the November meeting (Hilversum) can be postponed. The September meeting will be held in Japan at a venue to be precised. The Chairman officially thanked Mannesmann for their flexibility.

Tdoc N2-99 064

It was agreed to send it to SMG12 and to SA WG2.

8 Review of dates and hosts for future meetings

9 Closing of the meeting

The Chairman expressed his thanks to ETSI for hosting the meeting, to Dr. Yabusaki (NTT DoCoMo Europe) for chairing one day of the meeting and to the delegates for their active support and contribution. His gratitude also went to the very efficient work of Victoria Gray and Claire , the two secretaries that ETSI made available for all logistic arrangements during the meeting.

ANNEX 1

3GPP TSG-CN WG2

Tdoc 3GPP N2-99001

ETSI STC SMG3 Working Party 'C'

Tdoc SMG3 3C99-301

Joint Meeting

Sophia Antipolis, FRANCE

16 - 18 February 1999

Source: WG2 Convenors/Working Party 'C' Chairman

Title: Proposed joint meeting agenda

- 1 Opening of the meeting and approval of the agenda **(09:00 Tuesday)**
- 2 Introduction & grouping of contributions; allocation of a working session for each subject
- 3 Terms of Reference of TSG-CN WG2
- 4 Working Methods of TSG-CN WG2
 - 4.1 Frequency of meetings
 - 4.2 Internal structure of TSG-CN WG2
 - 4.3 Co-operation with other groups (SMG3 WP'C', SPS3, ...)
 - 4.4 Available baseline documents
 - 4.5 Document handling
- 5 Work items to be handled by TSG-CN WG2. For each work item, we consider:
 - 5.x.1 Work item name
 - 5.x.2 Top-level analysis of work item
 - 5.x.3 Resources required in WG2
 - 5.x.4 Specifications to be drafted or modified
- 6 Any other business
 - 6.1 Arrangements for election of Chairman & Vice-Chairman
 - 6.2 Other business
- 7 Approval of output documents
- 8 Review of dates and hosts for future meetings
- 9 Closing of the meeting (15:30 Thursday)

The proposed time plan is attached; a separate contribution showing the proposed allocation of documents to agenda items will be tabled at the beginning of the meeting.

	Monday	Tuesday	Wednesday	
9:00 Session 1 10:30		Opening business (1, 2) Terms of Reference (3)	Work items to be handled (5)	Any o
Break				
11:00 Session 2 12:30		Terms of Reference (3)	Work items to be handled (5)	Appro
Break				
13:30 Session 3 15:15		Frequency of meetings (4.1) Internal structure (4.2)	Work items to be handled (5)	Revie meetii Meetii
Break				
15:45 Session 4 17:30		Co-operation with other groups (4.3) Available documents (4.4)	Work items to be handled (5)	

ANNEX 2

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DZUBAN, Stanislav	Siemens	+43 1 1707 21369	Error! Bookmark n
EDWARDS, Mark	NEC Technologies (UK)	+44 1753 606 937	Error! Bookmark n
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ANNEX 3

3GPP/ETSI STC SMG3

Joint WPC / CN WG2 Meeting

Sophia Antipolis

16 - 18 February 1999

List of Temporary Documents

Tdoc	Title	Source	Status
3C99-301	Agenda	Co-Convenors	Agreed
N2-99 001			
3C99-302	Tdoc allocation to Agenda Items	Ian Park	Agreed
N2-99 002			
3C99-303	Single Mobility Management Instance in HLR	SMG12	Noted
N2-99 003			
3C99-304	3GPP Working Procedures	3GPP	Noted
N2-99 004			
3C99-305	Document numbering and FTP directory structure	3GPP	Noted
N2-99 005			
3C99-306	LS on UMTS Simultaneous Modes	SMG12	
N2-99 006			
3C99-307	Answer to LS on UMTS Simultaneous Mode from SMG12	TSG SA WG1	
N2-99 007			
3C99-308	Single Mobility Management Instance in HLR	SMG12	Withdrawn
N2-99 008			
3C99-309	LS on UMTS developments	SMG12	Noted
N2-99 009			
3C99-310	Proposed Co-operation between SMG3, 3GPP and SPS3	Alcatel	Open
N2-99 010			
3C99-311	Proposed Work Item for CAMEL STAGE2: Addition of analyzed_Info DP	TTC SWG621 (NEC)	For Issy
N2-99 011			
3C99-312	Out-of-band Transcoder Control	TTC SWG6-6-1	Open
N2-99 012			
3C99-313	Guidance on procedures for election of Chairmen and Vice-Chairmen	3GPP Secret.	Noted
N2-99 013			
3C99-314	Proposed Work Item: Pre-Paging for GSM R99	NEC Techn. UK	Agreed
N2-99 014			
3C99-315	Proposed Work Item: The Gateway Location Register	NEC Techn. UK	
N2-99 015			
3C99-316	Procedure for election of TSG <xx> WG<x> Chairman & Vice Chairman	3GPP support	Noted
N2-99 016			
3C99-317	Bearer Services and Teleservices negotiation	NTT DoCoMo	Open
N2-99 017			
3C99-318	Bearer Services and Teleservices modification during a call.	NTT DoCoMo	Open

N2-99-018			
3C99-319	Proposed Work Item: Call Associated Signaling (Application of B-IDN	TTC SWG6-6-1	Withdrawn
N2-99-019			
3C99-320	Proposed Work Item for CAMEL STAGE2: CSE control of HLR SS Data	TTC SWG621	
N2-99-020			
3C99-321	Proposed Work Item for CAMEL STAGE2: Service triggering at Call	NTT DoCoMo	
N2-99-021			
3C99-322	A proposal to start up TSG_CN_WG2 from TTC	TTC SWG661	Reviewed
N2-99-022			
3C99-323	Draft Proposed Work Item: VHE (evolution points for CAMEL)	TTC SWG 6-6-1	FFS
N2-99-023			
3C99-324	Proposed Work Item : Pre-Paging	NTC	Approved
N2-99-024			
3C99-325	Proposed Work Item:Extension of MAPCS/PS co-ordination procedure	TTC SWG661	Withdrawn
N2-99-025			
3C99-326	CR to 03.18 v. 6.2.0	NTC	Tabled
N2-99-026			
3C99-327	CR to 09.02 vers. 6.2.0 on TE&I	NTC	Tabled
N2-99-027			
3C99-328	Proposed guidelines for 3GPP TSG-CN-WG2 Work	WG2 Co-convenors	Noted
N2-99-028			
3C99-329	WI Variation of authentication parameter length	TTC SWG6-6-1	Agreed
N2-99-029			
3C99-330	Work Document on Authentication Parameter Length	TTC SWG6-6-1	Tabled
N2-99 030			
3C99-331	CR to 09.02 v.6.2.0 on Variation of authentication parameter length	TTC SWG6-6-1	Tabled
N2-99 031			
3C99-332	QoS control for asymmetric bearer for packet services	TTC SWG6-6-1	Agreed
N2-99 032			
3C99-333	Terms of Reference for TSG-CN WG2	Co-convenors	Rev. (34)
N2-99 033			
3C99-334	Revision of Tdoc 33	Co-convenors	Agreed
N2-99 034			
3C99-335	Proposal for GSM documents to be maintained by CN WG2	Vodafone	Noted
N2-99 035			
3C99-336	WI Maximum Call Number of Multiple Call	TTC SWG6-6-1	FFS
N2-99 036			
3C99-337	WD on Maximum Call Number of Multiple Call	TTC SWG6-6-1	Tabled
N2-99 037			
3C99-338	CR to on Maximum Call Number of Multiple Call	TTC SWG6-6-1	Tabled
N2-99 038			
3C99-339	Proposed Work Item : GLR (Gateway Location Register)	Fujitsu et alii	Noted
N2-99 039			
3C99-340	Proposed document handling procedure for 3GPP TSG-CN-WG2	WG2 Co-convenor	Approved
N2-99 040			
3C99-341	Proposed Work Item for CAMEL STAGE2: Removal of Not Reachable	TTC SWG6-6-1	Noted
N2-99 041			
3C99-342	Candidate chairman / vice-chairman for CN2	3GPP Secretariat	Noted
N2-99 042			
3C99-343	Discussion procedure of WIs	NEC	
N2-99 043			
3C99-344	LS to SA-WG3 on Authentication requirements	NTT Soft	Rev. (063)
N2-99 044			
3C99-345	Answer to Liaison statement on UMTS Simultaneous Mode from SMG12	Nortel	Rev. (064)
N2-99 045			
3C99-346	LS to SA-WG1 on Multiple Call	T-Mobil	Rev. (065)
N2-99 046			
3C99-347	LS to SA-WG2 on QoS Control for Packet Sessions	Siemens	Agreed
N2-99 047			
3C99-348	Revision of 015	NEC Tech.	GoTo CN
N2-99 048			

3C99-349	Revision of 014	NEC Tech.	GoTo CN
N2-99 049			
3C99-350	Revision of 029	TTC	GoTo CN
N2-99 050			
3C99-351	Revision of 017	TTC	GoTo CN
N2-99 051			
3C99-352	Revision of 018	TTC	GoTo CN
N2-99 052			
3C99-353	Revision of 012	TTC	GoTo CN
N2-99 053			
3C99-354	Revision of 036	TTC	GoTo CN
N2-99 054			
3C99-355	Revision of 032	TTC	GoTo CN
N2-99 055			
3C99-356	Scope of 3GPP TSG-CN WG2 Work	WG2 Co-convenors	GoTo CN
N2-99 056			
3C99-357	Internal Structure of TSG-CN WG2	WG2 Co-convenors	
N2-99 057			
3C99-358	TSG-CN WG2 Schedule in 1999	WG2 Co-convenors	Noted
N2-99 058			
3C99-359	Cooperation between TSG-CN WG2 and Other Groups	WG2 Co-convenors	GoTo CN
N2-99 059			
3C99-360			Unused
N2-99 060			
3C99-361	Work Package list	NEC Corporation	Noted
N2-99 061			
3C99-362			Unused
N2-99 062			
3C99-363	Revised 044 (LS to SMG10 or SA WG3 on Authentication)	NTT Soft	Agreed
N2-99 063			
3C99-364	Revised 045 (LS to SA2, copy to SA1)	Nortel	Agreed
N2-99 064			
3C99-365	Revised 046 (LS to SA1, copy to SA2 and others)	T-Mobil	Agreed
N2-99 065			