Source: **N2**

Title: **Meeting Report #11, Rotenburg**

Agenda item: **5.2.1**

Document for: **Information**

Report

TSG CN WG2#11
Rotenburg, Germany
22nd - 26th of May 2000

Chairman: Keijo Palviainen (Nokia)

Secretary: Monica Hellman (3GPP support team)

Host: Siemens

List of participants:	Annex A
Output documents	Annex B
Tdoc list (incl. the status)	Annex C

Documents could be found on the 3GPP-server:

ftp://ftp.3gpp.org/TSG_CN/WG2_camel/Plenary/TSGN2_11_Rotenburg/Docs/

1 Opening of the meeting and approval of the agenda

N2-000100, source Convenor: *Agenda*

Keijo Palviainen had prepared and sent out a proposed agenda. The 3GPP rules are that it should be sent out 21 days before the meeting. It was proposed to have the election of the chairman after coffe break on Monday. In the case that other delegates will turn up for the election, the time was kept.

Conclusion: Approved

2 Allocation of documents to agenda items

N2-000101, source Convenor: *Agenda allocation*

Keijo Palviainen circulated the document that was tdoc list for the meeting.

Conclusion: Approved

3 Reports

3.1 Review of report from N2, (Charleston, March 2000)

N2-000102, source MCC: *Meetingreport Charleston*

Monica Hellman presented the meeting report from the meeting in Charleston. It has been at the server for comments a couple of weeks. Some comments has been received from Vodafone, Alcatel and Nokia. The report has been updated according to these comments.

Discussion: Rogier Noldus mentioned minor error in the discussion of N2A000353. 22.998 shall be changed to 29.998. The document will be updated according to the comment and put on the server.

Conclusion: Revised

3.2 Review of report from SA1 CAMEL adHoc (Sophia Antipolis, April 2000)

It has been two ad hocs meetings of CAMEL in S1. Michel Grech has chaired them both. No report was available at this meeting. The outcome is described in two Liaison statements that will be presented later on.

3.3 Review of report from SA1 CAMEL adHoc (Sophia Antipolis, May 2000)

3.4 R00 Meeting Report

N2-000103, source MCC: *Draft Meeting Report from R00 meeting*

The secretary of N2 presented the report for information. CN and S2 have had one meeting about the content of R00. No one from N2 participated. The next meeting will take place the 14-15 of June in Sophia Antipolis. It would be useful if anyone from N2 could participate in the next meeting.

Conclusion: Noted

3.5   SPAN3 April Meeting Report

N2-000148, source SPAN3 Chairman: *SPAN3 April Meeting Report*

Frans Haerens presented the report from the SPAN 3 meeting. Core INAP CS-3 was finalized in April and is in public enquiry now. In the document some changes are proposed. Christian Homann has prepared CRs with the proposed changes in document N2-000149 and N2-000150.

Conclusion: Noted

4   Input liaison statements

N2-000108, source S1: *LS on CAMEL Phase 4 functions to be included in Release 2000*

Keijo Palviainen presented the document from S1 that was prepared at the first ad hoc meeting for CAMEL phase 4. The attachment was the Work Item sheet but it was not the latest version. It will be found in N2-000193.

Conclusion: Noted

N2-000156, source SA1 CAMEL Ad Hoc: *Features for CAMEL phase 4 in R2000*

Keijo Palviainen presented the document. The new is that the features have been categorized.

- Category I   Features that have been reviewed based on draft proposal to 22.078 and that have been accepted in principle.

- Category II   Features that are considered as interesting proposals to enhance the capabilities of CAMEL 4, but no detailed proposals have yet been submitted

- Category III   Features that were originally part of the 'left-overs' from the re-scoped CAMEL phase 3, but no interest has been shown.

IP telephony has just been discussed briefly and therefore it has not been decided how to categorize it.

Discussion: Rogier Noldus commented that CSC initiated calls have impact on call party handled that has to be taken care of.

Michel Grech informed that in July a draft session will take place and at the moment nothing has been decided yet. Christian Homann proposed that we should discuss how we should work further on CAMEL 4 in order not to discuss it twice in different groups.

Conclusion: Noted

N2-000107, source S1: *LS to S2 and S5 on Charging and billing*

Everybody read the document since no one was able to present the document.

Discussion: N2 didn't see any impact to this group. It should be forwarded to N4. The LS could have been meant for them. Siemens wanted to check if it has impact on the free format data and proposed to put this one on hold until the document N2-000186 will be discussed.

Conclusion: Noted

N2-000192, source S1 ad hoc: *Request for feedback on TR22.976 Study on Release 2000 service and capabilies*

Monica Hellman presented the document for information.

Discussion: N2 has no comment to this. It was not discussed in detail since it all the delegates are also participating the S1.

Conclusion: Noted

5 Work item management

5.1 New work item structure as defined by SA

N2-000104, source MCC: *Proposal for the Release 2000 Features, Building Blocks and Work Tasks*

Version 1.0

The latest version of the document was presented. The CAMEL section hasn't been updated.

Discussion: It was discussed how it should be updated. It was the meeting's view that the Builing blocks should be defined by S1. And out of that N2 should define the work tasks. Even though it is not decided what should be a part of phase 4 it is better to update the document with a more up to date information. Michel Grech will write a LS to the CN/S2 meeting with the comments from N2 and the information in the LS from S1 including a proposal to update the document.

Conclusion: Revised in N2-000194

N2-000194, source Lucent: *Proposed updates to the "Proposal for the Release 2000 Features, Building Blocks and Work Tasks Version 1.0"*

Michel Grech presented the document the category one and two from the LS from S1 has been incorporated.

Discussion: Just category Ishall be included and therefore the following items shall be included:

- Existing CAMEL procedures shall be enhanced for the manipulation of media streams, where appropriate, typically for VoIP

- CSE Initiated call setup including user interaction

- Flexible approach to provide User Interactions during a call

- Interactions with Optimal Routing

- CSE control of follow-on calls

- CSE control over MT SMS

Conclusion: Revised in N2-000246

N2-000246, source Lucent: *Proposed updates to the "Proposal for the Release 2000 Features, Building Blocks and Work Tasks Version 1.0"*

Revised document of N2-000194 according to the comments.

Conclusion: Approved

5.2 Review of work item status sheets

5.3 Review of Terms of Reference for N2

N2-000109, source Convenor: *Proposed Terms of Reference*

The purpose of terms of references is to describe what the groups are working on. Since N2 has changed since the last plenary, it has to be updated. Keijo Palviainen had prepared a proposal for terms of references for the new N2.

Discussion: No comments.

Conclusion: Agreed

6 Election of chairman and vice chairman

6.1 Chairman

N2-000106, source Nokia/MCC: *Candidature Material for Keijo Palviainen*

Monica Hellman described the procedure for election of Chairman described in document "Third Generation Partnership Project, 3GPP, Working Procedures" from July 1999. Usually delegates that have participated in one of the last three meetings are allowed to vote but it has just been one N2 meeting. It has therefore been agreed among the Standard Development Organizations that delegates participating in the first meeting could vote via proxy vote and delegates participating to the second meeting could vote directly.

Keijo Palviainen was elected as a Chairman with applauds.

Conclusion: Noted

6.2 Vice-Chairman

It was no candidate for the Vice-Chairman in the beginning of the meeting so the election was postponed to Friday afternoon.

N2-000245, source Lucent/MCC: *Candidature Material for Michel Grech*

Michel Grech was elected as a Vice-Chairman with applauds.

Conclusion: Noted

7 Resolution of outstanding issues for Release 99

7.1 CAMEL Phase 3

N2-000147, CR 161 (cat D) on 23.078, source Siemens: *Renaming "FSM" to "State Model" in GPRS*

Sumio Miyagawa presented the document that is an example of the CR that proposes to rename FSM to state model

Discussion: The concept was agreed in principle and Sumio Miyagawa will write a complete CR for the renaming.

Conclusion: Revised in N2-000197

N2-000197, CR 161 rev 1 (cat D) on 23.078, source Siemens: *Renaming "FSM" to "State Model" in GPRS*

Revised Version of document N2-000147. Sumio Miyagawa presented the document with the only changes from the last version are that the renaming has been done in the whole document.

Discussion: The State Model shall be written with capital letter in the beginning when implementing the CR, even though it is not consistent in the CR.

Conclusion: Agreed

N2-000139, source Ericsson/Alcatel: *'Handover principles for CAMEL control of GPRS'*

Rogier Noldus presented the discussion document that presents a set of principles for the handling of handover for a GPRS Session and PDP Contexts.

Discussion: After open a session dialog no PDP context dialogs will be opened. The principle was agreed and the description will be put into the 23.078.

Conclusion: Noted

N2-000169, CR 176 (cat F) on 23.078, source Alcatel : *Clarifications on GPRS Concepts*

Christian Homann presented the document. The reason for change is that the current description of "GPRS interworking" is not clear in various points. This CR clarifies and corrects those points.

Discussion:

- The note in the CR shall be taken away when it will be implemented.

- This CR has to be aligned with the previous CR from Siemens in document N2-000197.

- The GPRS dialogues should be changed to GPRS relationship. It was later decided not to do this change.

- The PDPID in the information element of the Request Report GPRS Event will be updated.

Conclusion: Revised in N2-000198

N2-000198, CR 176 rev 1 (cat F) on 23.078, source Alcatel, *Clarifications on GPRS Concepts*

Revised version of N2-000169

Discussion: Ian Park and Ruth Hewson had some editorial comments that will be corrected off line.

Conclusion: Revised in N2-000254

N2-000254, CR 176 rev 2 (cat F) on 23.078, source Alcatel, *Clarifications on GPRS Concepts*

Revised version of N2-000198

Discussion: Agreed without presentation

Conclusion: Agreed

N2-000177, CR on 23.060, source Alcatel, *Move of Detection Point C2 for Inter Routeing Area Update*

Christian Homann presented the CR to a Specification that is under the S2 responsibility. Detection point C2 CAMEL-GPRS-Routing-Area-Update in Inter Routing Area Update procedure is specified in 3G TS 23.078 as initial service event, eg. TDP Change of position GPRS session. For initial service events GPRS processing is expected to be suspended from Camel point of view. It is proposed to move detection point C2 before sending message. The document has already been sent to the S2 meeting that takes place this week but the outcome of this meeting will be sent to them.

Discussion: The principle was agreed. The only comment from N2 is a question, if it cause any timing problem in the SGSN? The question should be forward to S1. Christian Homann will inform his colleague in the S2 about the outcome of the this meeting and the CR will be presented as source Alcatel. No formal LS will be sent to S2.

Conclusion: Noted

N2-000110, CR 148 (cat C) on 23.078, source Ericsson: *Usage of GPRS Reference Number*

Rogier Noldus presented the CR. The SGSN and the SCP make use of the GPRS Reference Number to initiate a new TCAP dialogue for an existing 'logical dialogue'. The CR specifies how the GPRS Reference Number shall be structured and which entities shall allocate the GPRS Reference Number.

Discussion: Christian Homann proposed to put this information in 29.078 not in 23.078. Should it be an Operation argument or a TCAP operation? A Siemens contribution shall be treated before the decision of this CR.

The CR will be updated as following:

- The text in clause 6.x could be included in clause 12 in stage 3. It will be incorporated in the revised CR in N2-000200. The table will remain in stage 2.

- The category in the coversheet should be changed to C.

- The text "globally unic" shall be changed.

- A reference to stage 3 will be included.

- The wording "32 bit" shall be deleted in the text.

Conclusion: Revised in N2-000201

N2-000201, CR 148 rev 1 (cat C) on 23.078, source Ericsson: *Usage of GPRS Reference Number*

Revised version of N2-000110.

Conclusion: Agreed

N2-000111, CR 074 (cat C) on 29.078, source Ericsson: *Usage of GPRS Reference Number*

A CR with the relevant description for stage 3 will be included in N2-000200 by Siemens.

Conclusion: Rejected

N2-000157, CR 087 (cat C) on 29.078, source Siemens: *Introduction of GPRS reference in TCAP dialogue portion*

Sumio Miyagawa presented the document. Instead of (supplier specific) optimization of existing TCAP handling a short term handling was agreed which lead to the introduction of a new (logical) layer above TCAP Dialogue mechanism.

Discussion: It is support to have it in the TC-level. Ericsson is in favor to put it in the argument. Lucent wanted to make sure that if we change this, it will be finished by the end of this meeting. Siemens made sure that it could be. It was concluded to include this idea in 29.078 TCAP dialogue handling.

Conclusion: Revised in N2-000200

N2-000200, CR 087 rev 1 (cat C) on 29.078, source Siemens: *Introduction of GPRS reference in TCAP dialogue portion*

Revision of N2-000157

Discussion: Changes shall be moved to clause 8 from clause 12.

Conclusion: Revised in N2-000250

N2-000250, CR 087 rev 2 (cat C) on 29.078, source Siemens: *Introduction of GPRS reference in TCAP dialogue portion*

Revision of N2-000200

Discussion: The document will be sent out at the e-mail list as soon as possible after the meeting. The outcome of the discussion about this document will be put into document N2-000251, that will be sent out for agreement via e-mail.

Conclusion: Revised in N2-000251

N2-000251, CR 087 rev 3 (cat C) on 29.078, source Siemens: *Introduction of GPRS reference in TCAP dialogue portion*

Rev.of N2-000250

Discussion: Sumio Miyagawa will send out the CR on the second of June. The deadline for the e-mail agreement is the 8th of June.

Conclusion: E-mail

N2-000116, CR 150 rev (cat F) on 23.078, source Ericsson: *Correction on Quality of Service (GPRS)*

Rogier Noldus presented the CR that specifying which QoS('s) shall be reported in the various Information Flows.

Discussion: There are 3 different QoS:

- Requested QoS (the QoS requested by the terminal at PDP Context Establishment)

- Subscribed QoS (the QoS stored in the SGSN for the subscriber)

- Negotiated QoS (the QoS indicated by the GGSN at PDP Context Establishment Acknowledgement)

It is better to have QoS in a separate table. It should be specified when it shall be sent or not.

The category will be changed to F.

Conclusion: Revised in N2-000202

N2-000202, CR 150 rev 1 (cat F) on 23.078, source Ericsson: *Correction on Quality of Service (GPRS)*

Revised version of N2-000116

Discussion: The document will be revised as following:

- Delete the empty line in the table.

- Rogier Noldus had one comment to his own CR that will be included.

- The description of CR below the table will be added with, if available.

Conclusion: Revised in N2-000252

N2-000252, CR 150 rev 2 (cat F) on 23.078, source Ericsson: *Correction on Quality of Service (GPRS)*

Revised version of N2-000202

Discussion: Agreed without presentation

Conclusion: Agreed

N2-000117, CR 078 rev (cat F) on 29.078, source Ericsson: *Correction on Quality of Service (GPRS)*

Rogier Noldus presented the corresponding Stage 3 CR to the contribution presented in the document N2-000116.

Discussion: The category on the coversheet has to be changed.

Conclusion: Agreed

N2-000127, CR 080 rev (cat F) on 29.078, source Siemens: *GPRS Charging ID Type Definition*

Discussion: The description will be changed.

Conclusion: Revised in N2-000203

N2-000203, CR 080 rev 1 (cat F) on 29.078, source Siemens: *GPRS Charging ID Type Definition*

Revised version of N2-000127

Conclusion: Agreed

N2-000128, CR 081 (cat F) on 29.078, source Siemens: *GPRS AC/ACR procedure description*

Sumio Miyagawa presented the document.

Discussion:

- Some rewording will be done of the proposed definitions of the parameters.

- Rogier Noldus proposed changed in wording for other parameters e.g. volumeIfTariffSwitch. that will be dealt with off line.

Conclusion: Revised in N2-000204

N2-000204, CR 081 rev 1 (cat F) on 29.078, source Siemens: *GPRS AC/ACR procedure description*

Revised version of N2-000128

Discussion: In the description of - maxElapsedTime, maximum shall be added.

Conclusion: Revised in N2-000253

N2-000253, CR 081 rev 2 (cat F) on 29.078, source Siemens: *GPRS AC/ACR procedure description*

Revised version of N2-000204

Discussion: Agreed without presentation

Conclusion: Agreed

N2-000141, CR 157 (cat F) on 23.078, source Nokia: *Editorial correction of the GPRS_activate_PDP_context SDL*

Keijo Palviainen presented the document. In the procedure GPRS_activate_PDP_context we go to the state DP_PDP_Context_Establisment with a NEXTSTATE, but there is no such state. The CR proposes change of the name of the procedure.

Conclusion: Agreed

N2-000144, CR 159 (cat F) on 23.078, source Nokia: *PDPid in the EntityReleasedGPRS operation*

Keijo Palviainen presented the CR.

Discussion: The wording will be changed and the C for condition will be included.

Conclusion: Revised in N2-000205

N2-000205, CR 159 rev 1 (cat F) on 23.078, source Nokia: *PDPid in the EntityReleasedGPRS operation*

Revised version of N2-000144.

Conclusion: Agreed

N2-000145, CR 084 (cat F) on 29.078, source Nokia: *PDPid in the EntityReleasedGPRS operation*

Keijo Palviainen presented the corresponding stage 3 contribution to the document N2-000144.

Discussion: It was proposed to change the wording.

Conclusion: Revised in N2-000206

N2-000206, CR 084 rev 1 (cat F) on 29.078, source Nokia: *PDPid in the EntityReleasedGPRS operation*

The Revised Version of document N2-000145 was agreed without further presentation.

Conclusion: Agreed

N2-000146, CR 160 (cat F) on 23.078, source Siemens: *Correction: GPRS TCAP dialogues*

Sumio Miyagawa presented the document that doesn't include new things that hasn't been agreed before.

Discussion: This CR is in contradiction with N2-000151 from Alcatel.

Conclusion: Withdrawn

N2-000151, CR 163 (cat F) on 23.078, source Alcatel: *Specification of segmented GPRS Dialogues*

Christian Homann presented the CR with the reason to change is the simplification and correction of GPRS Dialogue handling:

Discussion: Comments about the documents were:

- Preferences to use GPRS dialog instead of relationship.

- The terminology in this CR was agreed and a CR to change it in stage 3 is needed.

- Fig. 6.15 will be modified.

- The description in the left upper corner should be updated.

- At the cover page in bullet g and j, some clarifications should be added.

Conclusion: Revised in N2-000207

N2-000207, CR 163 rev 1 (cat F) on 23.078, source Alcatel: *Specification of segmented GPRS Dialogues*

Revised version of N2-000151.

Discussion: Agreed without presentation.

Conclusion: Agreed

N2-000152, CR 085 (cat F) on 29.078, source Alcatel: *Specification of segmented GPRS Dialogues*

Christian Homann presented the document. For simplification for the handling of the dialogue only the TC-END (basic end) shall be used. The closure of the TCAP dialogue is always done by the gprsSSF (SGSN). This implies also that most CAP operations need only to be of class 2 instead of class 1. The CR also includes some editorial changes.

Discussion:

- It was agreed that in TCAP level basic end should be used and in GPRS dialog level the same roles as in call related cases shall apply.

- The GPRS reference number?

- Subsequent will be changed to consecutive.

- The sentence "One GPRS-Reference is assigned by the SGSN and shall be unique per gsmSCF. The other GPRS-Reference is assigned by the gsmSCFand shall be unique per SGSN. " shall be changed.

- The gprsaddress that are proposed to be included has to be included in stage 2. Christian Homann will include it in the CR for stage 2 in document N2-000207. Has stage 1 to be updated?

- Ruth Hewson had some editorial changes that she will forward direct to Christian Homann.

Conclusion: Revised in N2-000208

N2-000208, CR 085 rev 1 (cat F) on 29.078, source Alcatel: *Specification of segmented GPRS Dialogues*

Revised version of N2-000152, included the proposed changes specified in document N2-000172.

Discussion: Clause of affected is missing in the coversheet.

Conclusion: Agreed

N2-000153, CR 164 (cat F) on 23.078, source Alcatel: *Release of PDP context during Waiting for Instructions*

Christian Homann presented the CR. GPRS is supporting multiple PDP Contexts within a single GPRS dialogue. If a CAP_Release_GPRS operation is received in the gprs Waiting for Instruction state it has to be distinguished whether the related PDP context is the one which is waiting for instructions or if this is another one.

Discussion: No question, no comments.

Conclusion: Agreed

N2-000154, CR 165 (cat F) on 23.078, source Alcatel: *Reset Timer GPRS*

Christian Homann presented the CR that proposes to delete the parameter PDP-ID in operation ResetTimerGPRS.

Discussion: The line with the conditional parameter will be deleted.

Conclusion: Revised in N2-000209

N2-000209, CR 165 rev 1 (cat F) on 23.078, source Alcatel: *Reset Timer GPRS*

Revised version of N2-000154.

Discussion: Agreed without presentation.

Conclusion: Agreed

N2-000155, CR 086 (cat F) on 29.078, source Alcatel: *Reset Timer GPRS*

Christian Homann presented the corresponding CR to stage 3 for N2-000154.

Discussion: The CR number is missing.

Conclusion: Agreed

N2-000172, CR 091 (cat F) on 29.078, source Ericsson: *Corrections to CAP for GPRS*

Rogier Noldus presented the CR that proposes various corrections to the CAP V3 syntax, in chapter 8 (GPRS).

Discussion: The document will be updated with the changes to clause 8 proposed in document N2-000152.

Conclusion: Revised in N2-000210

N2-000210, CR 091 rev 1 (cat F) on 29.078, source Ericsson: *Corrections to CAP for GPRS*

Revised version of document N2-000172 and changes to clause 8 that was included in the document N2-000152.

Conclusion: Agreed

N2-000175, CR 094 (cat F) on 29.078, source Alcatel *General enhancements of GPRS Event Specific Information*

Christian Homann presented the document. It is proposed to include some specific parameters specified in 3G TS 22.078 annex in gPRSEventSpecificInformation for PDP context Establishment / Establishment Ack..

Discussion: The order of the parameters shall be aligned.

Conclusion: Revised in N2-000211

N2-000211, CR 094 rev 1 (cat F) on 29.078, source Alcatel, *General enhancements of GPRS Event Specific Information*

Discussion: The Revised Version of document N2-000175 together with the inclusion of N2-000176 was agreed without presentation.

Conclusion: Agreed

N2-000176, CR 095 (cat F) on 29.078, source Alcatel : *Enhancements of GPRS Event Specific Information for Inter Routeing Area Update*

Christian Homann presented the document. It is proposed to include some specific parameters in gPRSEventSpecificInformation for PDP context Change of Position.

Discussion: The proposed changes will be incorporated in N2-000211 with the changes of the order of the parameter.

Conclusion: Withdrawn

N2-000190, CR 181 (cat F) on 23.078, source Lucent Technologies: *Indication of Network requested PDP Context in Initial DP GPRS message*

Michel Grech presented the document. User initiated PDP contexts and network initiated PDP context may have different tariffs and thus an appropriate notification to the service logic is required. In addition, a network initiated PDP context may not be subject to changes to the APN as this was initially supplied to the MS by the network. The CR proposes to an indication in the InitialDP GPRS message as to whether the PDP context was as a result of a network request.

Discussion: The wording of this in 22.078 is ambiguous so it doesn't have to be changed. In the case of hand over the information can't be retrieved.

It could be mandatory and it should then be three different values.

Conclusion: Revised in N2-000213

N2-000213, CR 181 rev 1 (cat F) on 23.078, source Lucent Technologies: *Indication of Network requested PDP Context in Initial DP GPRS message*

Revised version of N2-000212. The document was never presented and the topic will be discussed further at the e-mail list.

Conclusion: Withdrawn

N2-000212, CR 099 rev 1 (cat F) on 29.078, source Lucent Technologies: *Indication of Network requested PDP Context in Initial DP GPRS message*

Michel Grech presented the corresponding stage 3 document to the document N2-000190.

Conclusion: Revised in N2-000214

N2-000214, CR 099 rev 2 (cat F) on 29.078, source Lucent Technologies: *Indication of Network requested PDP Context in Initial DP GPRS message*

Revised version of N2-000190. The document was never presented and the topic will be discussed further at the e-mail list.

Conclusion: Witdrawn

N2-000149, CR 162 rev (cat F) on 23.078, source SPAN3: *Various corrections and updates for 23.078*

Christian Homann presented the document which proposes solutions to implement the changes mentioned in the report from SPAN 3 in document N2-000148.

Discussion: (Initial DP call forward never send the information to SCP.)

The information of Service Interaction Indicators Two was proposed to change and a Backward Service Interaction Indicator should be included. The purpose to have backward and forward indicator is that to have it potentially for both legs in the call and that it could be transferred between networks using ISUP. The proposed changes may enhance the service and then the service requirement has to be updated. S1 has to be involved. It was agreed to keep SII2 as it is. If someone would like to change it they could draft a LS that could be discussed later on this meeting. Christian Homann will draft one in N2-000216. The change of name to align it with the fixed network was agreed. The document will be revised and proposed changes that relates to SII2 will be taken away. Frans Haerens commented the proposed specification from SPAN 3 would not be sent to ITU-T and he will be back with more information at the next meeting.

Conclusion: Revised in N2-000217

N2-000217, CR 162 rev 1 (cat F) on 23.078, source SPAN3: *Various corrections and updates for 23.078*

Revised document of N2-000149.

Discussion: Editorial comment in table 4.5. The notes shall be changed.

Conclusion: Revised in N2-000234

N2-000234, CR 162 rev 2 (cat F) on 23.078, source SPAN3: *Various corrections and updates for 23.078*

Revised document of N2-000217

Discussion: Revised without presentation.

Conclusion: Agreed

N2-000150, CR 069 rev 2 (cat F) on 29.078, source SPAN3: *Various corrections and updates for 29.078*

Christian Homann presented the CR. It was discussed at the last meeting and it has been updated since then.

Discussion: for non-cug parameter it was some editorial comment. SPAN3 proposed to have it as a Boolean, earlier it was a NULL parameter. It was agreed to keep it as NULL and it will be moved to service interaction indicator.

The SII2 changes will be taken out of this contribution.

Conclusion: Revised in N2-000218

N2-000218, CR 069 rev 3 (cat F) on 29.078, source SPAN3: *Various corrections and updates for 29.078*

Revised Version of document N2-000150

Discussion: Some editorial errors will be corrected.

Conclusion: Revised in N2-000235

N2-000235, CR 069 rev 4 (cat F) on 29.078, source SPAN3: *Various corrections and updates for 29.078*

Revised Version of document N2-000218

Discussion: Agreed without presentation.

Conclusion: Agreed

N2-000114, CR 076 (cat F) on 29.078, source Ericsson: *Correction of CAP Object Identifiers*

Rogier Noldus presented the document with various corrections to 29.078, mainly to the CAP Object identifier. Many Object Identifiers used in CAP V3 are used by MAP already. The range 100 – 125 has been reserved by the ETSI secretariat for Object Identifiers in CAP.

Discussion: In subclause 5.2 the same text that was deleted shall be deleted later on.

Conclusion: Revised in N2-000229

N2-000229, CR 076 rev 1 (cat F) on 29.078, source Ericsson: *Correction of CAP Object Identifiers*

Revised Version of document N2-000114.

Discussion: Agreed without presentation.

Conclusion: Agreed

N2-000219, source France Telecom: *A proposal for charging which is compatible with both CAMEL charging and the SPAN 3 proposal for charging*

Deborah presented the document. The intention with this document is to align the SPAN3 and the CAMEL charging. SPAN3 ask if CAMEL agree with the changes in the CS-3.

Discussion:

    releaseIndication   [4] BOOLEAN OPTIONAL

    releaseCause   [5] Cause OPTIONAL

are alignments to ITU-T not to CAMEL.

It was no major misalignment with camel.

Conclusion: Noted

N2-000158, CR 166 (cat F) on 23.078, source Siemens: *Correction: Enhancement of the SDL for ATM*

CR 23.078-109r2 was approved at CN#7 but was not correctly implemented. Sumio Miyagawa apologized for it and presented the CR that corrects this error.

Conclusion: Agreed

N2A000353, CR 143 (cat C) on 23.078, source Ericsson: *CAMEL Phase indicator in ATSI and ATM*

Rogier Noldus represented the document that Keijo Palviainen presented in his absent at the meeting in Charleston. The delegates wanted some clarification.

Discussion: Some changes are then needed in 23.008.

Conclusion: Rejected

N2A000354, CR 123 (cat C) on 29.002, source Ericsson: *CAMEL Phase indicator in ATSI and ATM*

Corresponding CR for stage 3 of document N2A000353.

Discussion: Rejected without presentation.

Conclusion: Rejected

N2A000401, CR 133 rev 1 (cat F) on 23.078, source Nokia: *Improvements on ATM/ATSI/NSDC*

Keijo Palviainen presented the revised CR from the last meeting.

Discussion:

Comments about the CR were:

- The description of long forwarded numbers shall be kept together and it will be in 23.082.

- Add C as conditional below tables.

- Forw list shall be with full name.

- Remove the word data in the forw feature list.

Toshio Norimatsu has presented a CR that proposed changes to MAP in document N4-000100. The CR was agreed in N4 but hasn't not been implemented yet. That CR has impact on the proposed CR. Keijo Palviainen will check this when he revises the document.

Conclusion: Revised in N2-000230

N2-000230, CR 133 rev 2 (cat F) on 23.078, source Nokia: *Improvements on ATM/ATSI/NSDC*

The document is the revised document of N2A-000401.

Discussion: The CR was agreed without presentation.

Conclusion: Agreed

N2A000402, CR 134 rev 1 (cat F) on 23.078, source Nokia: *Interworking of Call Forwardings and new CAMEL3 trigger detection points*

Keijo Palviainen presented the updated CR from the last meeting. It includes some changes to the description of Called Party BCD Number earlier included in an other CR from Alcatel.

Discussion:

Comments:

- The gmsc has a separate branch.

- In GSM Forwarding Pending, the deflected to number will be taken away.

Conclusion: Revised in N2-000231

N2-000231, CR 134 rev 2 (cat F) on 23.078, source Nokia: *Interworking of Call Forwardings and new CAMEL3 trigger detection points*

Revised document of N2-000231.

Discussion: The document will be sent out for e-mail agreement before Thursday the first of June. Deadline for comments are the 8th of June.

Conclusion: E-mail

N2-000132, CR 051 rev 3 (cat F) on 23.018, source France Telecom: *Correction of Active Retr. of Locat. Info*

François Dronne presented the revised version of the CR presented by Alcatel at the last meeting. For a GSM network, the current cell is always known in the MSC. This CR proposes to enable the VLR to obtain the current cell of the MS by modifying the message VLR-MSC 'Obtain Subscriber Info'. This improvement is not applicable for a UMTS network, as the RNC does not inform the MSC when the MS change of cell during a call.

Discussion: The CR is based on a earlier specification but François Dronne has checked the changes in the relevant parts of the specification. He can't see that the proposed changes has to be changed due to the specification has been revised. The major changes between version 3.3.0 and 3.4.0 are to make it applicable to UMTS.

Ian Park had editorial comments. Ian Park and François Dronne will check the changes the between the versions of the specification in detail.

Conclusion: Revision in N2-000232

N2-000232, CR 051 rev 4 (cat C) on 23.018, source Alcatel/ France Telecom / Vodafone: *Correction of Active Retr. of Locat. Info*

Revised document of N2-000132

Discussion: Since the N4 meeting this week is already closed, the document shall be sent out on the N4-list for agreement via e-mail.

Conclusion: Endorsed by N2.

N2-000133, CR 137 (cat C) on 29.002, source ALCATEL: *CSI Handling*

Veronique Belfort presented the document that proposes to add the network supported CSI in MAP.

Discussion: With his functionality, it will be possible to divide the phase 3 into packages based on CSI. Comments to this was that it will then be problem to make roaming agreements and to the customers where they can use their services. Vodafone, Sonera, France Telecom, Nokia, Siemens oppose and Lucent supports it.

Conclusion: Rejected

N2-000134, CR 155 (cat C) on 23.078, source ALCATEL: *CSI Handling*

Rejected without presentation.

Conclusion: Rejected

N2-000136, CR 006 (cat F) on 23.012, source ALCATEL: *Interworking with MM*

Veronique Belfort presented the document.

Discussion: The document was endorsed by N2 and will be represented in N4.

Conclusion: Endorsed

N2-000216, source Alcatel: *Liaison statement to S1 on CAMEL interaction on supplementary services*

Christian Homann presented the proposed LS to S1. The subject was earlier discussed in the CR from SPAN3.

Discussion: The last paragraph will be updated so that S1 are asked about intention with this and if they can clarify it in the specification. Studying stage 1 more carefully, the intention of it is in line with what is in stage 2. If SPAN3 would like to change this they have to write a CR to 22.078.

Conclusion: Rejected

N2-000121, CR 153 (cat F) on 23.078, source Nokia: *Alignment of the EventSpecificInformationBCSM Stage 2&3 definitions*

Vesa Tiainen presented the contribution that aligns stage 2 IEs with the stage 3 EventSpecificInformationBCSM definitions.

Discussion: The header shall be updated.

Conclusion: Agreed

N2-000122, CR 154 (cat F) on 23.078, source Nokia: *Clean-up the Monitoring state User Interaction*

Vesa Tiainen presented the contribution.

Conclusion: Agreed

N2-000123, CR 079 rev (cat F) on 29.078, source Nokia: *Clean-up the Monitoring state User Interaction*

Vesa Tiainen presented the contribution that is the corresponding CR to 29.078 that was earlier discussed for 23.078 in document N2-000122.

Conclusion: Agreed

N2-000126, CR 147 rev 1 (cat F) on 23.078, source Siemens: *CAMEL Subscription Info*

Sumio Miyagawa presented the Revised Version of the document that was earlier presented in Charleston.

Discussion: Will be revised with some editorial corrections.

Conclusion: Revised in N2-000236

N2-000236, CR 147 rev 2 (cat F) on 23.078, source Siemens: *CAMEL Subscription Info*

Revised document of N2-000126

Discussion: The wording was discussed but agreed in the end.

Conclusion: Agreed

N2-000137, CR 156 (cat F) on 23.078, source ALCATEL: *Several corrections of the chapter 9 for Mobility Management*

The document is the corresponding CR to 23.012 earlier presented in document N2-000136. Veronique Belfort presented both documents.

Discussion:

Comments:

- The M-CSI is deleted in the HLR with the Delete Subscriber Data procedure. Shall be changed to deleted in the VLR.

- In the information element for Mobility Management event Notification:

  - Event Met on the second bullet: delete an.

  - Supported CAMEL Phases - remove the proposed sentence.

  - Location Information - delete the reference.

Conclusion: Revised in N2-000237

N2-000237, CR 156 rev 1 (cat F) on 23.078, source ALCATEL: *Several corrections of the chapter 9 for Mobility Management*

Revised document of N2-000137.

Discussion: The CR was agreed without presentation.

Conclusion: Agreed

N2-000142, CR 158 (cat F) on 23.078, source Nokia: *Removal of ActivityTestSMS operation*

Keijo Palviainen presented the document with the reason to change is that the CAP dialogue for MO SMS takes only few a seconds. Therefore the AT-SMS is not necessary, and adds unnecessary complexity.

Discussion: The activity test SMS has to be deleted also in other places in the specification.

Conclusion: Revised in N2-000238

N2-000238, CR 158 rev 1 (cat F) on 23.078, source Nokia: *Removal of ActivityTestSMS operation*

Revised document of N2-000142.

Conclusion: Agreed

N2-000143, CR 083 (cat F) on 29.078, source Nokia: *Removal of ActivityTestSMS operation*

Keijo Palviainen presented the corresponding CR to stage 3 that was earlier discussed for stage 2 in document N2-000142.

Conclusion: Agreed

N2-000168, CR 088 (cat F) on 29.078, source Ericsson: *Corrections to MO-SMS*

Rogier Noldus presented the contribution that proposes various corrections for MO-SMS.

Conclusion: Agreed

N2-000159, CR 167 (cat F) on 23.078, source Siemens: *gprsSSF definition*

Sumio Miyagawa presented the contribution that proposes to add a gprsSSF definition in the clause 3.

Conclusion: Agreed

N2-000160, CR 168 (cat F) on 23.078, source Siemens: *Reference to 3G TS 23.088*

Sumio Miyagawa presented the CR that proposes to add the reference to 23.088 to chapter 2.

Conclusion: Agreed

N2-000161, CR 169 (cat D) on 23.078, source Siemens: *Editorial corrections in the clause 5*

Sumio Miyagawa presented the editorial CR.

Conclusion: Agreed

N2-000162, CR 170 (cat D) on 23.078, source Siemens: *Editorial corrections in the clause 6*

Sumio Miyagawa presented the editorial CR.

Discussion: The note 3 in table 2 shall be deleted.

The duplicated "are specified in" shall be deleted.

Conclusion: Revised in N2-000239

N2-000239, CR 170 rev 1 (cat D) on 23.078, source Siemens: *Editorial corrections in the clause 6*

Revised document of N2-000162.

Discussion: Agreed without presentation.

Conclusion: Agreed

N2-000163, CR 171 (cat D) on 23.078, source Siemens: *Editorial corrections in the clause 7*

Sumio Miyagawa presented the editorial CR.

Discussion: The note 3 in table 2 shall be deleted.

In 7.6 clause shall be changed to subclauses.

Conclusion: Revised in N2-000240

N2-000240, CR 171 rev 1 (cat D) on 23.078, source Siemens: *Editorial corrections in the clause 7*

Revised document of N2-000163.

Discussion: Agreed without presentation.

Conclusion: Agreed

N2-000164, CR 172 (cat D) on 23.078, source Siemens: *Editorial corrections in the clause 8*

Sumio Miyagawa presented the editorial CR.

Conclusion: Agreed

N2-000165, CR 173 (cat D) on 23.078, source Siemens: *Editorial corrections in the clause 9*

Sumio Miyagawa presented the editorial CR.

Discussion: One editorial comment that sent shall be change to send.

Conclusion: Revised in N2-000241

N2-000241, CR 173 rev 1 (cat D) on 23.078, source Siemens: *Editorial corrections in the clause 9*

Revised document of N2-000165.

Discussion: Agreed without presentation.

Conclusion: Agreed

N2-000166, CR 174 (cat D) on 23.078, source Siemens: *Editorial corrections in the clause 10*

Sumio Miyagawa presented the editorial CR.

Discussion: Spelling errors shall be corrected.

Conclusion: Revised in N2-000242

N2-000242, CR 174 rev 1 (cat D) on 23.078, source Siemens: *Editorial corrections in the clause 10*

Revised document of N2-000166

Discussion: Agreed without presentation.

Conclusion: Agreed

N2-000167, CR 175 (cat D) on 23.078, source Siemens: *Editorial corrections in the clause 11*

Sumio Miyagawa presented the editorial CR.

Discussion: The reference to figure 1 shall be figure 11.1. Ruth Hewson had some editorial comments that she will discuss with the originator of the CR, off line.

Conclusion: Revised in N2-000243

N2-000243, CR 175 rev 1 (cat D) on 23.078, source Siemens: *Editorial corrections in the clause 11*

Revised document of N2-000167

Discussion: Agreed without presentation.

Conclusion: Agreed

N2-000184, source ALCATEL: *AoC in case of multiple TDPs*

Replaces document N2-000135. Veronique Belfort presented the discussion document. During the last 3GPP-WG2-CN2 meeting of Charleston, it was a discussion on the handling of AoC in CAMEL phase3. Because of multiple TDPs (TDP2, TDP3, unsuccessful TDPs) different set of E parameters can be determined by the associated IN logic and in this case may be returned to the gsmSSF in CAP 'SendChargingInformation' message

The CAMEL phase3 stage1 and stage 2 specifications don't define how will be the different set of E parameters handled in such case.

Discussion: T-mobil supported case b but would like to stick to the previous decision for DP-3. Nokia had the same idea but doesn't completely support scenario b. Their understandingis that tariff switch timer shall be stopped when the CAP dialogue is closed, Alcatel proposes not to stop it. In Nokia's view Tsw is stopped when gsmSSF goes to IDLE. Companies are asked to contribute on this in future meetings.

Conclusion: Noted

N2-000115, CR 077 (cat F) on 29.078, source Ericsson: *Correction of GPRS operation Procedures*

Rogier Noldus presented the document that proposes a number of corrections and textual enhancements to the Procedure descriptions for GPRS, in chapter 11.

Discussion: Remove PDPID in reset timerGprsprocedure. Relationship shall be changed to dialog.

Conclusion: Revised in N2-000255

N2-000255, CR 077 rev 1 (cat F) on 29.078, source Ericsson: *Correction of GPRS operation Procedures*

Revised document of N2-000115

Discussion: Agreed without presentation

Conclusion: Agreed

N2-000170, CR 089 (cat F) on 29.078, source Ericsson: *Corrections to Common CAP types*

Rogier Noldus presented the document that proposes various corrections to the CAP V3 syntax, in chapter 5 (Common CAP Types).

Discussion: Category is missing coversheet.

Conclusion: Agreed

N2-000171, CR 090 (cat F) on 29.078, source Ericsson: *Corrections to CAP for circuit switched calls*

Rogier Noldus presented the document that proposes various corrections to the CAP V3 syntax, in chapter 6 (Circuit Switched Calls).

Discussion: Category is missing coversheet.

Conclusion: Agreed

N2-000215, CR 092 rev 1 (cat D) on 29.078, source Ericsson: *Module IMPORT references*

Revised document of N2-000173

Discussion: "Sect." shall be changed to section.

Conclusion: Revised in N2-000244

N2-000244, CR 092 rev 2 (cat D) on 29.078, source Ericsson: *Module IMPORT references*

Revised document of N2-000215

Discussion: Agreed without presentation.

Conclusion: Agreed

N2-000138, CR 082 (cat F) on 29.078, source ALCATEL: *LocationInformationGPRS*

Veronique Belfort presented the document. 29.078 and 23.078 don't have the same definition for locationinformation used for GPRS in InitialDP SMS. The CR proposes to add the Routing area , the age of the location and the SLSA id in 29.078.location information gprs.

Discussion: The ASN1 changes have to be corrected e.g. a coma is missing and it is a space that shall not be there. The definition shall also be corrected. There is information in the CR that is not relevant for this CR. The comment, it is included in MAP is not correct. If it is coded in accordance with 3G TS 29.002, why is it not imported from MAP? The document will be updated for the next meeting.

Conclusion: Postponed

N2-000118, CR 151 (cat C) on 23.078, source Ericsson: *Removing NPI check for conditional triggering*

Rogier Noldus presented the CR that proposes removal of the check for a matching Number Plan Indicator (NPI) for conditional triggering.

Discussion: The CR consists of just one coversheet. Rogier Noldus clarified that his intention when starting writing the CR was to propose to remove it but then he realized that it wasn't included in the version 3.3.0. It's a pending CR to include it that has been agreed in N2. S1 has agreed to remove this. The CR will be sent to SA#8 for approval. The CR about the NPI check proposed by T-mobil is the best approach of this. The document was noted and formally rejected.

Conclusion: Rejected

N2-000187, CR 097 (cat F) on 29.078, source Siemens: *two changes in the class*

Sumio Miyagawa presented the document with the proposed changes:

- It is proposed to rename to "capSpecificBoundSet".

- The parameter length of the access point name is recommended to be between 3 to 102 octets.

Discussion: The change of the name has already been agreed this week. It was proposed to change bound to 1-100. Sumio Miyagawa will check and change this.

Conclusion: Revised in N2-000256

N2-000256, CR 097 rev 1 (cat F) on 29.078, source Siemens: *two changes in the class*

Revised document of N2-000187

Discussion: Agreed without presentation

Conclusion: Agreed

N2-000188, CR 180 (cat F) on 23.078, source Siemens: *Addition of Location Information to Initial DP GPRS*

Sumio Miyagawa presented the document that adds the currently missing Location information in Initial DP GPRS.

Discussion: It has to be aligned with the SMS case and in the table a reference to the SMS case will be included.

Conclusion: Revised in N2-000257

N2-000257, CR 180 rev 1 (cat F) on 23.078, source Siemens: *Addition of Location Information to Initial DP GPRS*

Revised version of N2-000188.

Discussion: Agreed without presentation

Conclusion: Agreed

N2-000189, CR 098 (cat F) on 29.078, source Siemens: *Addition of Location Information to Initial DP GPRS*

Sumio Miyagawa presented the corresponding CR for stage 3 to the document N2-000188 that was discussed earlier.

Conclusion: Agreed

8 Release 2000

8.1 Review of CAMEL phase 4 Work Item description (produced by SA1 adHoc)

N2-000105, source MCC: *WI sheet CAMEL phase 4*

It was the intention to present the document for information but the secretary has got the wrong information. The document has been updated.

Conclusion: Superseded by N2-000193

N2-000193, source S1: *Revised WI sheet of CAMEL phase 4*

Michel Grech presented the WI sheet that has been approved in the S1 meeting.

Discussion: This document is the outcome from the first drafting meeting and should have been attached to the LS in the N2-000156.

The S1 drafting meeting is one week before the next N2 meeting. When shall N2 start work on phase 4? When it is decided and a version 4 is produced, all changes to phase 3 have to be done also in phase 4. Michel Grech clarified that category 1 in the LS in document N2-000156 has already been agreed to be included, so N2 should be able to start work on this.

It was decided that the split will be after CN#8 in June and contributions on category 1 are welcomed at the next N2 meeting.

Conclusion: Noted

8.2 Other CAMEL phase 4 documents

N2-000233, 21.978, sources BT/MCC: *Feasibility Technical Report – CAMEL Control of VoIP Services*

David Smith presented the Feasibility Technical report. It was agreed in N2 and sent to the plenary. Due to that the plenary read the report in the way that just one solution that was feasible. They revised it but they didn't have time to discuss the Revised Version. This report was prepared half a year ago and it describes both SIP and H.323. CN has taken the decision to go for SIP.

Discussion: N2 still agrees about this document. It was discussed if the document should be updated with some editorial corrections. The revision marks will be taken away and the document wil be sent to CN#8 for approval.

Conclusion: Agreed

9 Maintenance of earlier CAMEL phases

9.1 CAMEL phase 1

no contribution

9.2 CAMEL phase 2

N2-000178, CR A075 (cat F) on 09.78, source T-mobil: *Clarification of encoding of CollectedDigits*

Steffen Habermann presented the document. Via the Prompt and Collect User Information operation the gsmSCF indicates the digits to be collected by the gsmSRF from the subscriber. It shall be possible to collect non decimal digits and the encoding definition is missing. The intention is that it should work also in the fixed network.

Discussion: The text is copied in the Core INAP. The additional text is not in the Core INAP. The CR to an early release arrived quite late and the meeting wanted to investigate how much impact this has.

Supporting companies to include encoding of * and # for phase2: T-mobil, Nokia, NTT Comaware, France Telecom, Vodafone. Lucent proposed to introduce just * and #. Ericsson opposes the CR. The CR will be revised so that * will be encoded as 11 and # will be 12.

Conclusion: Revised in N2-000223

N2-000223, CR A075 rev 1 (cat F) on 09.78, source T-mobil: *Clarification of encoding of CollectedDigits*

The document is a Revised Version of N2-000178.

Discussion: * and # shall be included in the definition of digits.

Conclusion: Revised in N2-000226

N2-000226, CR A075 rev 2 (cat F) on 09.78, source T-mobil: *Clarification of encoding of CollectedDigits*

The document is a Revised Version of N2-000223.

Conclusion: Agreed with the category C1

N2-000179, CR A076 (cat A) on 09.78, source T-mobil: *Clarification of encoding of CollectedDigits*

The document is the corresponding CR to N2-000178 for R98.

Conclusion: Revised in N2-000224

N2-000224, CR A076 rev 1 (cat A) on 09.78, source T-mobil: *Clarification of encoding of CollectedDigits*

The document is the corresponding CR to N2-000178 for R98. The document is a Revised Version of N2-000179.

Conclusion: Revised in N2-000227

N2-000227, CR A076 rev 2 (cat A) on 09.78, source T-mobil: *Clarification of encoding of CollectedDigits*

The document is the corresponding CR to N2-000178 for R98. The document is a Revised Version of N2-000224.

Conclusion: Agreed with the category C1

N2-000180, CR 096 (cat A) on 29.078, source T-mobil: *Clarification of encoding of CollectedDigits*

The document is the corresponding CR to N2-000178 for R99.

Conclusion: Revised in N2-000225

N2-000225, CR 096 rev 1 (cat A) on 29.078, source T-mobil: *Clarification of encoding of CollectedDigits*

The document is the corresponding CR to N2-000178 for R99. The document is a Revised Version of N2-000180.

Conclusion: Revised in N2-000228

N2-000228, CR 096 rev 2 (cat A) on 29.078, source T-mobil: *Clarification of encoding of CollectedDigits*

The document is the corresponding CR to N2-000178 for R99. The document is a Revised Version of N2-000225.

Conclusion: Agreed with the category C1

N2-000129, CR A155 rev 1 (cat F) on 03.78, source Siemens: *gsmSSF DP handling in CF*

Sumio Miyagawa presented the CR that was presented for the first time two meetings ago. At that time the proposed changes was not so cleared described.

Discussion: Minor corrections to the SDLs. Nokia, Lucent, Alcatel, Ericsson and NEC support it. The VT in the textbox in the left upper corner will be deleted since it's not in CAMEL phase 2.

Conclusion: Revised in N2-000195

N2-000195, CR A155 rev 2 (cat F) on 03.78, source Siemens: *gsmSSF DP handling in CF*

Revised version of N2-000129.

Conclusion: Agreed with the category C3

N2-000130, CR A156 rev 1 (cat A) on 03.78, source Siemens: *gsmSSF DP handling in CF*

Discussion: The VT in the textbox in the left upper corner of the SDLs will be deleted since it's not in CAMEL phase 2.

Conclusion: Revised in N2-000196

N2-000196, CR A156 rev 2 (cat A) on 03.78, source Siemens: *gsmSSF DP handling in CF*

Revised version of N2-000130.

Conclusion: Agreed with the category C3

N2-000131, CR 077 rev 2 (cat A) on 23.078, source Siemens: *gsmSSF DP handling in CF*

Conclusion: Agreed with the category C3

N2-000181, CR A157 rev (cat F) on 03.78, source Siemens AG: *Usage of Announcement Suppression Indicator*

Albert Kain presented the document with the proposed changes to solve the misalignment between 02.78 and 03.78 about the announcement suppression indicator.

Discussion: There were some questions and the document arrived quite late last week. The document was therefore postponed until the end of the week.

Conclusion: Revised in N2-000220

N2-000220, CR A157 rev 1 (cat F) on 03.78, source Siemens AG: *Usage of Announcement Suppression Indicator*

Revised document of N2-000181

Discussion: The category will change to category C1

Conclusion: Revised in N2-000247

N2-000247, CR A157 rev 2 (cat F) on 03.78, source Siemens AG: *Usage of Announcement Suppression Indicator*

Revised document of N2-000220

Discussion: Agreed without presentation

Conclusion: Agreed with the category C1

N2-000182, CR A158 rev (cat A) on 03.78, source Siemens AG: *Usage of Announcement Suppression Indicator*

Corresponding CR to R98 for the changes proposed in document N2-000181.

Conclusion: Revised in N2-000221

N2-000221, CR A158 rev 1 (cat A) on 03.78, source Siemens AG: *Usage of Announcement Suppression Indicator*

Revised version of N2-000182

Discussion: The category will change to category C1

Conclusion: Revised in N2-000248

N2-000248, CR A158 rev 2 (cat A) on 03.78, source Siemens AG: *Usage of Announcement Suppression Indicator*

Revised version of N2-000221

Discussion: Agreed without presentation

Conclusion: Agreed with the category C1

N2-000183, CR 177 rev (cat A) on 23.078, source Siemens AG: *Usage of Announcement Suppression Indicator*

Corresponding CR to R99 to the changes proposed in document N2-000181.

Discussion: The category will change to category C1

Conclusion: Revised in N2-000222

N2-000222, CR 177 rev 1 (cat A) on 23.078, source Siemens AG: *Usage of Announcement Suppression Indicator*

Revised version of N2-000183

Discussion: The WI shall be changed to CAMEL phase 2. The category shall be added.

Conclusion: Revised in N2-000249

N2-000249, CR 177 rev 2 (cat A) on 23.078, source Siemens AG: *Usage of Announcement Suppression Indicator*

Revised version of N2-000222

Discussion: Agreed without presentation

Conclusion: Agreed with the category C1

10　Review of dates and hosts for future meetings

10.1　2000

Date	Host	Venue
17 – 21 Jul	Nokia	Helsinki, Finland
28 Aug. - 1 Sept.	T1P1	Seattle, US
16 - 20 Oct	Telekom Austria AG	Vienna, Austria
13 – 17 Nov	Alcatel	France

Comments in the joint meeting: Frans Haerens informed that SPAN has changed meeting agenda. The SPAN meetings will take place 3 times a year, each time during one week. During that weeks all the technical groups will have their meeting. It is still possible for SPAN 3 to have extra joint meetings with N2. It will be changed to be at Tuesday and Wednesday instead of Wednesday and Thursdays as it is today.

It was suggested at the last meeting to have an extra meeting in October. It could then be a collocated with SPAN3 in Austria. Frans Haerens has talked to the host and it's ok to have an extra room for N2.

10.2　2001

N2-000140, source Convenor: *TSG-CN WG2 proposed calendar for year 2001*

Keijo Palviainen presented the document with the proposed meeting calendar for R00. It has been proposed to have the meetings in the same place and time as N4. This document has already been discussed with the convenor of N4 and will be presented at the N4 meeting next door.

The meeting locations haven't been decided but Ericsson would like to host a meeting in Australia in January.

Discussion:

Comments during the meeting: We don't have any delegates from North America when N4 is going to US, N2 can stay in Europe or Japan.

8 meetings are too many. If the delegates are sending out and discuss draft document as early at possible. Then the contribution could be updated off line.

Conclusion: Noted

11 Other Business

11.1 Listserver

Today two lists are used for N2 and CAMEL. Initially the CAMEL list was created for technical CAMEL discussions. After the split of N2 two lists are not needed and make confusions. After this meeting just the N2 list will be used for this group. All members that not in the N2 but in the CAMEL list will be added to the N2 list. Monica Hellman will send out e-mails to the two lists informing the subscribers that the N2 list will just be used for the new N2. Subscribers interested in "old N2B" issues will kindly be asked to subscribe to N4 and that the CAMEL list will be deleted.

Documents shall **always be ziped** before sending them to the listserver. To decrease the size of the mails even more, Monica Hellman will revise the template of the CR cover page and put it on the N2 server. It is also recommended to switch off the fast save your winword before sending the document.

11.2 CAMEL conference

IBC a company that arranges conferences would like to have a speaker from 3GPP at the next CAMEL conferance. They would like to have the confirmation this week. Anybody that is interested can contact Keijo Palviainen. They have also been in contact with Ericsson, which may be able to participate.

11.3 E-mail agreement

Two documents will be sent out for agreement via e-mail. The deadline to send them out is Thursday the 1st of June and the deadline for agreement is Thursday the 8th of June.

11.4 Document not yet available

Some documents are not yet available but are agreed without presentation. The secretary would like to have the documents as soon as possible. Latest the 2nd of June so it will be possible for her to prepare the documents for the plenary well in advance.

11.5 Submission of documents for the next meeting

There are two CRs that are leftover for the next meeting. The originators that would like to resubmit the contributions for the next meeting have to update a request sheet and forward both the request sheet and the documents to Monica Hellman. Request for tdoc numbers shall be sent to Monica at latest the Thursday before the meeting. Keijo Palviainen will prepare the document that allocates the Tdoc to a proper agenda item and send it out on Friday. It doesn't mean necessarily that the document have to be available before Thursday. Late requests will be handled in the end of the meeting, if it's time. New CR to CAMEL phase 2 shall be available well before the meeting.

12 Closing of the meeting

The Convenor thanked the delegates and the hosts for their participants. Rotenburg is nice small town. The room rate surprised Ian Park, a room in hotel like this in England will cost much. The Convenor Keijo Palviainen closed the meeting. Next time he will turn up as a Chairman.

Annex A Participants list

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Annex B Output Documents

Agreed Change Requests

TDoc #	spec	CR #	Rev	Cat	Title	Source
N2-000195	03.78	A155	2	F	gsmSSF DP handling in CF	Siemens
N2-000196	03.78	A156	2	A	gsmSSF DP handling in CF	Siemens
N2-000247	03.78	A157	2	F	Usage of Announcement Suppression Indicator	Siemens AG
N2-000248	03.78	A158	2	A	Usage of Announcement Suppression Indicator	Siemens AG
N2-000226	09.78	A075	2	F	Clarification of encoding of CollectedDigits	T-mobil
N2-000227	09.78	A076	2	A	Clarification of encoding of CollectedDigits	T-mobil
N2-000131	23.078	077	2	A	gsmSSF DP handling in CF	Siemens
N2-000230	23.078	133	2	F	Improvements on ATM/ATSI/NSDC	Nokia
N2-000236	23.078	147	2	F	CAMEL Subscription Info	Siemens
N2-000201	23.078	148	1	C	Usage of GPRS Reference Number	Ericsson
N2-000252	23.078	150	2	F	Correction on Quality of Service (GPRS)	Ericsson
N2-000121	23.078	153		F	Alignment of the EventSpecificInformationBCSM Stage 2&3 definitions	Nokia
N2-000122	23.078	154		F	Clean-up the Monitoring state User Interaction	Nokia
N2-000237	23.078	156	1	F	Several corrections of the chapter 9 for Mobility Management	ALCATEL
N2-000141	23.078	157		F	Editorial correction of the GPRS_activate_PDP_context SDL	Nokia
N2-000238	23.078	158	1	F	Removal of ActivityTestSMS operation	Nokia
N2-000205	23.078	159	1	F	PDPid in the EntityReleasedGPRS operation	Nokia
N2-000197	23.078	161	1	D	Renaming "FSM" to "State Model" in GPRS	Siemens
N2-000234	23.078	162	2	F	Various corrections and updates for 23.078	SPAN3
N2-000207	23.078	163	1	F	Specification of segmented GPRS Dialogues	Alcatel
N2-000153	23.078	164		F	Release of PDP context during Waiting for Instructions	Alcatel
N2-000209	23.078	165	1	F	Reset Timer GPRS	Alcatel
N2-000158	23.078	166		F	Correction: Enhancement of the SDL for ATM	Siemens
N2-000159	23.078	167		F	gprsSSF definition	Siemens
N2-000160	23.078	168		F	Reference to 3G TS 23.088	Siemens
N2-000161	23.078	169		D	Editorial corrections in the clause 5	Siemens
N2-000239	23.078	170	1	D	Editorial corrections in the clause 6	Siemens
N2-000240	23.078	171	1	D	Editorial corrections in the clause 7	Siemens
N2-000164	23.078	172		D	Editorial corrections in the clause 8	Siemens
N2-000241	23.078	173	1	D	Editorial corrections in the clause 9	Siemens
N2-000242	23.078	174	1	D	Editorial corrections in the clause 10	Siemens

N2-000243	23.078	175		1	D	Editorial corrections in the clause 11	Siemens
N2-000254	23.078	176		2	F	Clarifications on GPRS Concepts	Alcatel
N2-000249	23.078	177		2	A	Usage of Announcement Suppression Indicator	Siemens AG
N2-000257	23.078	180		1	F	Addition of Location Information to Initial DP GPRS	Siemens
N2-000235	29.078	069		4	F	Various corrections and updates for 29.078	SPAN3
N2-000229	29.078	076		1	F	Correction of CAP Object Identifiers	Ericsson
N2-000255	29.078	077		1	F	Correction of GPRS operation Procedures	Ericsson
N2-000117	29.078	078			F	Correction on Quality of Service (GPRS)	Ericsson
N2-000123	29.078	079			F	Clean-up the Monitoring state User Interaction	Nokia
N2-000203	29.078	080		1	F	GPRS Charging ID Type Definition	Siemens
N2-000253	29.078	081		2	F	GPRS AC/ACR procedure description	Siemens
N2-000143	29.078	083			F	Removal of ActivityTestSMS operation	Nokia
N2-000206	29.078	084		1	F	PDPid in the EntityReleasedGPRS operation	Nokia
N2-000208	29.078	085		1	F	Specification of segmented GPRS Dialogues	Alcatel
N2-000155	29.078	086			F	Reset Timer GPRS	Alcatel
N2-000168	29.078	088			F	Corrections to MO-SMS	Ericsson
N2-000170	29.078	089			F	Corrections to Common CAP types	Ericsson
N2-000171	29.078	090			F	Corrections to CAP for circuit switched calls	Ericsson
N2-000210	29.078	091		1	F	Corrections to CAP for GPRS	Ericsson
N2-000244	29.078	092		2	D	Module IMPORT references	Ericsson
N2-000211	29.078	094		1	F	General enhancements of GPRS Event Specific Information	Alcatel
N2-000228	29.078	096		2	A	Clarification of encoding of CollectedDigits	T-mobil
N2-000256	29.078	097		1	F	two changes in the class	Siemens
N2-000189	29.078	098			F	Addition of Location Information to Initial DP GPRS	Siemens

N4 Documents Endorsed by N2

TDoc #	spec	CR #	Rev	Cat	Title	Source
N2-000136	23.012	006		F	Interworking with MM	Alcatel
N2-000232	23.018	051	4	C	Correction of Active Retr. of Locat. Info	Alcatel/France Telecom / Vodafone

Approved Liaison Statement

TDoc #	Source	Title
N2-000246	Lucent	Proposed updates to the "Proposal for the Release 2000 Features, Building Blocks and Work Tasks Version 1.0"

For agreement via E-mail

TDoc #	spec	CR #	Rev	Cat	Title	Source
N2-000231	23.078	134	2	F	Interworking of Call Forwardings and new CAMEL3 trigger detection points	Nokia
N2-000251	29.078	087	3	C	Introduction of GPRS reference in TCAP dialogue portion	Siemens

Agreed Document:

TDoc #	Title	Source
N2-000109	Proposed Terms of Reference	Convenor

Agreed Specification:

TDoc #	spec	Title	Source
N2-000233	21.978	Feasibility Technical Report – CAMEL Control of VoIP Services	BT/MCC

Annex C List of Documents

TDoc #	spec	CR #	Rev	Cat	Title	Source	Conclusion
N2-000100					Agenda	Convenor	Approved
N2-000101					Agenda allocation	Convenor	Approved
N2-000102					Meetingreport Charleston	MCC	Revised
N2-000103					Draft meetingreport from R00 meeting	MCC	Noted
N2-000104					Proposal for the Release 2000 Features, Building Blocks and Work Tasks Version 1.0	MCC	Revised in N2-000194
N2-000105					WI sheet CAMEL phase 4	MCC	Superseeded by N2-000193
N2-000106					Candidature Material for Keijo Palviainen	Nokia/MCC	Noted
N2-000107					LS to S2 and S5 on Charging and billing	S1	Noted
N2-000108					LS on CAMEL Phase 4 functions to be included in Release 2000	S1	Noted
N2-000109					Proposed Terms of Reference	Convenor	Agreed
N2-000110	23.078	148		C	Usage of GPRS Reference Number	Ericsson	Revised in N2-000201
N2-000111	29.078	074		C	Usage of GPRS Reference Number	Ericsson	Rejected
N2-000112	23.078	149		D	Additional clarifying text on the principle of two GPRS FSM's	Ericsson	Withdrawn
N2-000113	29.078	075		D	Additional clarifying text on the principle of two GPRS FSM's	Ericsson	Withdrawn
N2-000114	29.078	076		F	Correction of CAP Object Identifiers	Ericsson	Revised in N2-000229
N2-000115	29.078	077		F	Correction of GPRS operation Procedures	Ericsson	Revised in N2-000255
N2-000116	23.078	150		F	Correction on Quality of Service (GPRS)	Ericsson	Revised in N2-000202
N2-000117	29.078	078		F	Correction on Quality of Service (GPRS)	Ericsson	Agreed
N2-000118	23.078	151		C	Removing NPI check for conditional triggering	Ericsson	Rejected
N2-000119	23.078	152		C	Disallowing the use of Compound (= non-hierarchical) Basic Service Group Codes for conditional triggering	Ericsson	Withdrawn
N2-000120	29.002	129		C	Disallowing the use of Compound (= non-hierarchical) Basic Service Group Codes for conditional triggering	Ericsson	Withdrawn
N2-000121	23.078	153		F	Alignment of the EventSpecificInformationBCSM Stage 2&3 definitions	Nokia	Agreed
N2-000122	23.078	154		F	Clean-up the Monitoring state User Interaction	Nokia	Agreed
N2-000123	29.078	079		F	Clean-up the Monitoring state User Interaction	Nokia	Agreed
N2-000124	23.078	127	1	C	GPRS reference number assigned by SCP	Siemens	Withdrawn
N2-000125	29.078	060	1	C	GPRS reference number assigned by SCP	Siemens	Withdrawn
N2-000126	23.078	147	1	F	CAMEL Subscription Info	Siemens	Revised in N2-000236
N2-000127	29.078	080		F	GPRS Charging ID Type Definition	Siemens	Revised in N2-000203
N2-000128	29.078	081		F	GPRS AC/ACR procedure description	Siemens	Revised in N2-000204
N2-000129	03.78	A155	1	F	gsmSSF DP handling in CF	Siemens	Revised in N2-000195
N2-000130	03.78	A156	1	A	gsmSSF DP handling in CF	Siemens	Revised in N2-000196

N2-000131	23.078	077	2	A	gsmSSF DP handling in CF	Siemens	Agreed
N2-000132	23.018	051	3	F	Correction of Active Retr. of Locat. Info	France Telecom	Revision in N2-000232
N2-000133	29.002	137		C	CSI Handling	ALCATEL	Rejected
N2-000134	23.078	155		C	CSI Handling	ALCATEL	Rejected
N2-000135					AoC in case of multiple TDPs	ALCATEL	Revised in N2-000184
N2-000136	23.012	006		F	Interworking with MM	ALCATEL	Endorsed
N2-000137	23.078	156		F	Several corrections of the chapter 9 for Mobility Management	ALCATEL	Revised in N2-000237
N2-000138	29.078	082		F	LocationInformationGPRS	ALCATEL	Postponed
N2-000139					'Handover principles for CAMEL control of GPRS'	Ericsson/Alcatel	Noted
N2-000140					TSG-CN WG2 proposed calendar for year 2001	Convenor	Noted
N2-000141	23.078	157		F	Editorial correction of the GPRS_activate_PDP_context SDL	Nokia	Agreed
N2-000142	23.078	158		F	Removal of ActivityTestSMS operation	Nokia	Revised in N2-000238
N2-000143	29.078	083		F	Removal of ActivityTestSMS operation	Nokia	Agreed
N2-000144	23.078	159		F	PDPid in the EntityReleasedGPRS operation	Nokia	Revised in N2-000205
N2-000145	29.078	084		F	PDPid in the EntityReleasedGPRS operation	Nokia	Revised in N2-000206
N2-000146	23.078	160		F	Correction: GPRS TCAP dialogues	Siemens	Withdrawn
N2-000147	23.078	161		D	Renaming "FSM" to "State Model" in GPRS	Siemens	Revised in N2-000197
N2-000148					SPAN3 April Meeting Report	SPAN3 Chairman	Noted
N2-000149	23.078	162		F	Various corrections and updates for 23.078	SPAN3	Revised in N2-000217
N2-000150	29.078	069	2	F	Various corrections and updates for 29.078	SPAN3	Revised in N2-000218
N2-000151	23.078	163		F	Specification of segmented GPRS Dialogues	Alcatel	Revised in N2-000207
N2-000152	29.078	085		F	Specification of segmented GPRS Dialogues	Alcatel	Revised in N2-000208
N2-000153	23.078	164		F	Release of PDP context during Waiting for Instructions	Alcatel	Agreed
N2-000154	23.078	165		F	Reset Timer GPRS	Alcatel	Revised in N2-000209
N2-000155	29.078	086		F	Reset Timer GPRS	Alcatel	Agreed
N2-000156					Features for CAMEL phase 4 in R2000	SA1 CAMEL Ad Hoc	Noted
N2-000157	29.078	087		C	Introduction of GPRS reference in TCAP dialogue portion	Siemens	Revised in N2-000200
N2-000158	23.078	166		F	Correction: Enhancement of the SDL for ATM	Siemens	Agreed
N2-000159	23.078	167		F	gprsSSF definition	Siemens	Agreed
N2-000160	23.078	168		F	Reference to 3G TS 23.088	Siemens	Agreed
N2-000161	23.078	169		D	Editorial corrections in the clause 5	Siemens	Agreed
N2-000162	23.078	170		D	Editorial corrections in the clause 6	Siemens	Revised in N2-000239
N2-000163	23.078	171		D	Editorial corrections in the clause 7	Siemens	Revised in N2-000240
N2-000164	23.078	172		D	Editorial corrections in the clause 8	Siemens	Agreed
N2-000165	23.078	173		D	Editorial corrections in the clause 9	Siemens	Revised in N2-000241
N2-000166	23.078	174		D	Editorial corrections in the clause 10	Siemens	Revised in N2-000242

N2-000167	23.078	175		D	Editorial corrections in the clause 11	Siemens	Revised in N2-000243
N2-000168	29.078	088		F	Corrections to MO-SMS	Ericsson	Agreed
N2-000169	23.078	176		F	Clarifications on GPRS Concepts	Alcatel	Revised in N2-000198
N2-000170	29.078	089		F	Corrections to Common CAP types	Ericsson	Agreed
N2-000171	29.078	090		F	Corrections to CAP for circuit switched calls	Ericsson	Agreed
N2-000172	29.078	091		F	Corrections to CAP for GPRS	Ericsson	Revised in N2-000210
N2-000173	29.078	092		D	Module IMPORT references	Ericsson	Revised in N2-000215
N2-000174	29.078	093		D	Indication of OPERATION classes	Ericsson	Postponed
N2-000175	29.078	094		F	General enhancements of GPRS Event Specific Information	Alcatel	Revised in N2-000211
N2-000176	29.078	095		F	Enhancements of GPRS Event Specific Information for Inter Routeing Area Update	Alcatel	Withdrawn
N2-000177	23.060	---------			Move of Detection Point C2 for Inter Routeing Area Update	Alcatel	Noted
N2-000178	09.78	A075		F	Clarification of encoding of CollectedDigits	T-mobil	Revised in N2-000223
N2-000179	09.78	A076		A	Clarification of encoding of CollectedDigits	T-mobil	Revised in N2-000224
N2-000180	29.078	096		A	Clarification of encoding of CollectedDigits	T-mobil	Revised in N2-000225
N2-000181	03.78	A157		F	Usage of Announcement Suppression Indicator	Siemens AG	Revised in N2-000220
N2-000182	03.78	A158		A	Usage of Announcement Suppression Indicator	Siemens AG	Revised in N2-000221
N2-000183	23.078	177		A	Usage of Announcement Suppression Indicator	Siemens AG	Revised in N2-000222
N2-000184					AoC in case of multiple TDPs	ALCATEL	Noted
N2-000185	23.078	178		F	Call procedure to handle ACR by gprs_ssf	Siemens	Withdrawn
N2-000186	23.078	179			ACR time and volume when Vc is pending	Siemens	Withdrawn
N2-000187	29.078	097		F	two changes in the class	Siemens	Revised in N2-000256
N2-000188	23.078	180		F	Addition of Location Information to Initial DP GPRS	Siemens	Revised in N2-000257
N2-000189	29.078	098		F	Addition of Location Information to Initial DP GPRS	Siemens	Agreed
N2-000190	23.078	181		F	Indication of Network requested PDP Context in Initial DP GPRS message	Lucent Technologies	Revised in N2-000213
N2-000191	29.078	099		F	Indication of Network requested PDP Context in Initial DP GPRS message	Lucent Technologies	Revised in N2-000212
N2-000192					Request for feedback on TR22.976 Study on Release 2000 service and capabilies	S1 ad hoc	Noted
N2-000193					Revised WI sheet of CAMEL phase 4	S1	Noted
N2-000194					Proposed updates to the "Proposal for the Release 2000 Features, Building Blocks and Work Tasks Version 1.0"	Lucent	Revised in N2-000246
N2-000195	03.78	A155	2	F	gsmSSF DP handling in CF	Siemens	Agreed
N2-000196	03.78	A156	2	A	gsmSSF DP handling in CF	Siemens	Agreed
N2-000197	23.078	161	1	D	Renaming "FSM" to "State Model" in GPRS	Siemens	Agreed
N2-000198	23.078	176	1	F	Clarifications on GPRS Concepts	Alcatel	Revised in N2-000254
N2-000199	29.078	100		D	Renaming "FSM" to "State Model" in GPRS	Siemens	Posponed
N2-000200	29.078	087	1	C	Introduction of GPRS reference in TCAP dialogue portion	Siemens	Revised in N2-000250
N2-000201	23.078	148	1	C	Usage of GPRS Reference Number	Ericsson	Agreed

N2-000202	23.078	150	1	F	Correction on Quality of Service (GPRS)	Ericsson	Revised in N2-000252
N2-000203	29.078	080	1	F	GPRS Charging ID Type Definition	Siemens	Agreed
N2-000204	29.078	081	1	F	GPRS AC/ACR procedure description	Siemens	Revised in N2-000253
N2-000205	23.078	159	1	F	PDPid in the EntityReleasedGPRS operation	Nokia	Agreed
N2-000206	29.078	084	1	F	PDPid in the EntityReleasedGPRS operation	Nokia	Agreed
N2-000207	23.078	163	1	F	Specification of segmented GPRS Dialogues	Alcatel	Agreed
N2-000208	29.078	085	1	F	Specification of segmented GPRS Dialogues	Alcatel	Agreed
N2-000209	23.078	165	1	F	Reset Timer GPRS	Alcatel	Agreed
N2-000210	29.078	091	1	F	Corrections to CAP for GPRS	Ericsson	Agreed
N2-000211	29.078	094	1	F	General enhancements of GPRS Event Specific Information	Alcatel	Agreed
N2-000212	29.078	099	1	F	Indication of Network requested PDP Context in Initial DP GPRS message	Lucent Technologies	Revised in N2-000214
N2-000213	23.078	181	1	F	Indication of Network requested PDP Context in Initial DP GPRS message	Lucent Technologies	Witdrawn
N2-000214	29.078	099	2	F	Indication of Network requested PDP Context in Initial DP GPRS message	Lucent Technologies	Witdrawn
N2-000215	29.078	092	1	D	Module IMPORT references	Ericsson	Revised in N2-000244
N2-000216					Liaison statement to S1 on CAMEL interaction on supplementary services	Alcatel	Rejected
N2-000217	23.078	162	1	F	Various corrections and updates for 23.078	SPAN3	Revised in N2-000234
N2-000218	29.078	069	3	F	Various corrections and updates for 29.078	SPAN3	Revised in N2-000235
N2-000219					A proposal for charging which is compatible with both CAMEL charging and the SPAN 3 proposal for charging	France Telecom	Noted
N2-000220	03.78	A157	1	F	Usage of Announcement Suppression Indicator	Siemens AG	Revised in N2-000247
N2-000221	03.78	A158	1	A	Usage of Announcement Suppression Indicator	Siemens AG	Revised in N2-000248
N2-000222	23.078	177	1	A	Usage of Announcement Suppression Indicator	Siemens AG	Revised in N2-000249
N2-000223	09.78	A075	1	F	Clarification of encoding of CollectedDigits	T-mobil	Revised in N2-000226
N2-000224	09.78	A076	1	A	Clarification of encoding of CollectedDigits	T-mobil	Revised in N2-000227
N2-000225	29.078	096	1	A	Clarification of encoding of CollectedDigits	T-mobil	Revised in N2-000228
N2-000226	09.78	A075	2	F	Clarification of encoding of CollectedDigits	T-mobil	Agreed
N2-000227	09.78	A076	2	A	Clarification of encoding of CollectedDigits	T-mobil	Agreed
N2-000228	29.078	096	2	A	Clarification of encoding of CollectedDigits	T-mobil	Agreed
N2-000229	29.078	076	1	F	Correction of CAP Object Identifiers	Ericsson	Agreed
N2-000230	23.078	133	2	F	Improvements on ATM/ATSI/NSDC	Nokia	Agreed
N2-000231	23.078	134	2	F	Interworking of Call Forwardings and new CAMEL3 trigger detection points	Nokia	E-mail
N2-000232	23.018	051	4	C	Correction of Active Retr. of Locat. Info	Alcatel/ France Telecom / Vodafone	Endorsed
N2-000233	21.978				Feasibility Technical Report – CAMEL Control of VoIP Services	BT/MCC	Agreed
N2-000234	23.078	162	2	F	Various corrections and updates for 23.078	SPAN3	Agreed

N2-000235	29.078	069	4	F	Various corrections and updates for 29.078	SPAN3	Agreed
N2-000236	23.078	147	2	F	CAMEL Subscription Info	Siemens	Agreed
N2-000237	23.078	156	1	F	Several corrections of the chapter 9 for Mobility Management	ALCATEL	Agreed
N2-000238	23.078	158	1	F	Removal of ActivityTestSMS operation	Nokia	Agreed
N2-000239	23.078	170	1	D	Editorial corrections in the clause 6	Siemens	Agreed
N2-000240	23.078	171	1	D	Editorial corrections in the clause 7	Siemens	Agreed
N2-000241	23.078	173	1	D	Editorial corrections in the clause 9	Siemens	Agreed
N2-000242	23.078	174	1	D	Editorial corrections in the clause 10	Siemens	Agreed
N2-000243	23.078	175	1	D	Editorial corrections in the clause 11	Siemens	Agreed
N2-000244	29.078	092	2	D	Module IMPORT references	Ericsson	Agreed
N2-000245					Candidature Material for Michel Grech	Lucent/MCC	Noted
N2-000246					Proposed updates to the "Proposal for the Release 2000 Features, Building Blocks and Work Tasks Version 1.0"	Lucent	Approved
N2-000247	03.78	A157	2	F	Usage of Announcement Suppression Indicator	Siemens AG	Agreed
N2-000248	03.78	A158	2	A	Usage of Announcement Suppression Indicator	Siemens AG	Agreed
N2-000249	23.078	177	2	A	Usage of Announcement Suppression Indicator	Siemens AG	Agreed
N2-000250	29.078	087	2	C	Introduction of GPRS reference in TCAP dialogue portion	Siemens	Revised in N2-000251
N2-000251	29.078	087	3	C	Introduction of GPRS reference in TCAP dialogue portion	Siemens	E-mail
N2-000252	23.078	150	2	F	Correction on Quality of Service (GPRS)	Ericsson	Agreed
N2-000253	29.078	081	2	F	GPRS AC/ACR procedure description	Siemens	Agreed
N2-000254	23.078	176	2	F	Clarifications on GPRS Concepts	Alcatel	Agreed
N2-000255	29.078	077	1	F	Correction of GPRS operation Procedures	Ericsson	Agreed
N2-000256	29.078	097	1	F	two changes in the class	Siemens	Agreed
N2-000257	23.078	180	1	F	Addition of Location Information to Initial DP GPRS	Siemens	Agreed
N2A000353	23.078	143		C	CAMEL Phase indicator in ATSI and ATM	Ericsson	Rejected
N2A000354	29.002	123		C	CAMEL Phase indicator in ATSI and ATM	Ericsson	Rejected
N2A000401	23.078	133	1	F	Improvements on ATM/ATSI/NSDC	Nokia	Revised in N2-000230
N2A000402	23.078	134	1	F	Interworking of Call Forwardings and new CAMEL3 trigger detection points	Nokia	Revised in N2-000231