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Meeting Report
TSG CN WG2#12
Helsinki, Finland
17th - 21st of July 2000

Chairman: Keijo Palviainen (Nokia)

Secretary: Monica Hellman (3GPP support team)

Host: Nokia

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_12_Helsinki/Docs/

1 Opening of the meeting and approval of the agenda

Keijo Palviainen as the chairman opened the meeting and as the host welcomed the delegates to Helsinki. He presented the meeting arrangements and invited all to a dinner on Wednesday evening.

N2-000258, source Chairman: *Agenda*

Keijo Palviainen presented the draft agenda.

Discussion: The SPAN3 /N2 joint meeting will be on Tuesday and the discussion of OSA was moved. SPAN 3 is interested in CPH and it's the only contribution of phase 4 so the phase 4 will be dicussed when the SPAN 3 delegates are present.

Conclusion: The revised agenda was approved

2 Allocation of documents to agenda items

N2-000259, source Chairman: *document allocation*

Discussion: 311 and 312 has been added in the agenda item "late arrival".

Phase 4 agenda item will be before phase 3.

Jellow means that the document hasn't been discussed yet. Red means that the document is not yet.

Conclusion: The revised document was approved

3 Reports

3.1 Review of report from N2, (Rotenburg, May 2000) (Approved by plenary)

N2-000260, source MCC: *Meeting report from Rotenburg*

Monica Hellman presented the report from the last N2 meeting. She pointed out that some comments have been received and some changes have been done in this one compared to the draft.

Conclusion: Noted

3.2 Review of report from SA1 CAMEL adHoc (England, July 2000)

N2-000313, source S1 CAMEL ad hoc chairman: *Meeting report S1 CAMEL ad hoc*

Michel Grech presented the report from the S1 CAMEL phase 4 ad hoc. The scope of CAMEL phase 4 has been defined. It hasn't been discussd or approved in S1.

Discussion: Michel Grech, as the rapporteur for 22.078, had prepared a summary of what happened in the meeting in document N2-000282.

Conclusion: Noted

4 Input liaison statements

No Documents

5 Work item management & miscellaneous

N2-000261, source CN: Terms of References

The ToR was updated and approved in the last CN plenary. The document was presented for information in this meeting.

Discussion: Rogier Noldus commented that N2 also works with S5 and is it useful to have it. N2 is not dependent but co-operate with them. In the N4 bullet, the GTP has to be added.

Conclusion: Revised in N2-000317

N2-000317, source N2-Chairman: *Terms of References*

The revised document of N2-000261

Discussion: Add S2 for the relationship of GPRS. The background is a little bit old. Chairman shall replace convenor. Spelling corrections. SMS is missing.

Conclusion: Revised in N2-000345

N2-000345, N2-Chairman: *Terms of References*

Revised document of N2-000334.

Discussion: Approved without presentation. Keijo Palviainen wanted to present the document since he changed more that was agreed. The background has been changed. One spelling correction has to be corrected before sending it to the plenary.

Conclusion: Approved

N2-000267, source N2 chairman: *N2 specification list*

Keijo Palviainen presented the document.

Discussion: The R98 is missing in the document.

MCC would like to have rapporteurs for the document. Isabelle Lantelme volotered for 03.78 and Rogier Noldus is volotered for 09.78.

Conclusion: Revised in N2-000318

N2-000318, source N2 chairman: *N2 specification list*

The document is Revised Version of N2-000267.

Conclusion: Noted

N2-000308, source Vodafone: *Proposal for appointment of people to maintain liaison with IGC*

Ruth Hewson presented the document. IGC started to coordinate the WI in the R00. Other groups have allocated contact persons for the different groups and Vodafone propose that N2 are doing the same.

IGC	Relevant to N2	N2 decisions
Bearer and access stratum	No	

QoS	No	
Call control & roaming	Yes	Ruth
Codecs	No	
Messaging	No	
Terminal local features	No	
Service platforms	Yes	Keijo
Security	Yes	Keijo
Billing, charging & management	No	
Testing	No	
Location-related issues	Yes	Keijo

Conclusion: Noted

5.1 CAMEL phase 4 working procedures in N2

N2-000266, source N2 chairman: *Discussion paper for CAMELA IPT document structure*

Keijo Palviainen presented a document that proposes to split the documents for CAMEL phase 4. Some member companies don't want include IP telephony in Phase 4 and some are very eager to have it in.

Discussion: S1 has agreed that for stage 1, the brackets for phase 1 and 2 that explains to which phase it was included in, will be taken away. The brackets for phase 4 will be there to inform what is new. In stage 1 the CS and the PS is specified in the same specification.

Christian Homann proposed that we start with one common document included the information if something is not applicable to IP telephony. If it shows up that it will be to many options, a delta document will be produced.

For 23.018 it's nothing in common CS and PS and therefore it will be 23.018-1 and 23.018 -2 has to be produced. But who will have the main responsibility of the new document? N2 or N4? Keijo Palviainen will write a draft Liaison Statement on it.

23.078 will be a combined to start with, if it is going to be to complex, the document will be split into 2 document.

A draft version of the phase 4 will be produced and after agreement in N2 it will be send to the plenary as a CR for approval. The proposed CR will delete the whole phase 3 replace it with the Phase 4. Keijo Palviainen will inform the plenary about N2s working procedures at the next plenary. The CR from Vodafone on R00 will be formally rejected but could be incorporated in the draft phase 4 but that discussion will be held later on.

For every N4 meeting a combined CR will be prepared and sent to N4 for information. Before sending CAMEL phase 4 for approval at the plenary the combined CRs that belongs to N4 must be updated so it is based on the latest version and it will be sent to N4 for approval and thereafter forwarded to CN plenary.

The responsible people for the combined CRs are:

23.016 Albert Kain,

23.018 Ruth Hewson

23.008 Isabelle Lantelme

23.078 Sumio Miyagawa

29.078 Rogier Noldus

Almost all the delegates were interested in both CS and PS and therefore N2 will start working with both. If it's turns up that the amount of work and the companies are sending different people the work may be split into two different groups. 1-1.5 days each meeting will be spend on the VoIP, roughly estimated.

Conclusion: Noted

N2-000320, source N2 Chairman: *Basic call handling for IP telephony*

Keijo Palviainen presented a proposed LS to S2 and N4 asking about any specification of BASIC call handling for IP Telephony.

Discussion: The last sentence will be deleted.

Conclusion: Revised in N2-000344

N2-000344, source N2 Chairman: *Basic call handling for IP telephony*

Revised document of N2-000320

Discussion: Approved without presentation.

Conclusion: Approved

5.2 CAMEL phase 4 document structure

See agenda 5.1

5.3 SPAN3 issues

N2-000279, source SPAN 3 Chairman: *Meeting Report (SPAN 3 Meeting: 26 June- 4 July 2000)*

Frans Haerens presented the report.

Discussion: In chapter 3.5 it's a proposal to have the SII2 indicator in the forward direction but MSP requires it in the backward direction. Since this is not in the service requirements, 22.078 has to be updated before changing other stages. The reason why it's proposed is that SPAN3 would like to align the ASN.1 in CS-3 and CAMEL phase 3. A CR from France Telecom will be presented later on.

Conclusion: Noted

6 CAMEL Phase 3

6.1 CAMEL3 / Miscellaneous

N2-000287, CR 192 (cat D) on 23.078, source Alcatel: *Editorial corrections and enhancements*

Christian Homann presented the document.

Conclusion: Approved

N2-000295, source Nokia: *CAMEL1 & 2 support in UMTS networks*

The CAMEL phases 1 and 2 specifies mandatory GSM specific parameters to CAP protocol, such as cell-Global-ID, Location Area Identity (LAI). These information elements are not available in 3G UMTS. Therefore R99 CAMEL phase 3 specifies alternative information elements, such as Service Area Identity (SAI) to be used. What shall we do at roaming between 2G and 3G and shall a healthwarning be included in the spec.?

CAMEL phase 3 specifies alternative information elements, such as Service Area Identity (SAI) to be used.

Discussion: The only known parameters that are different between 2G and 3G known by N2, are the one mentioned in the contribution.

1, UMTS MSC can support phase 1, there are no parameters mand. And not available.

2, irrelevant.

3, Nice to know but a lot of changes is needed. You can always indicate where the subscribers is when he starts the call but after a handover the information is not updated.

Conclusion: Noted

6.2 CAMEL phase 3 / Call related

N2-000296, CR 197 (cat ?) on 23.078, source France Telecom: *Corrections and*

updates concerning Service Interaction Indicator Two parameter

Deborah Ackermann presented the document that is an Alignment to Core INAP CS3 and ITU-T CS4 of the SII2 indicator. It was discussed in the SPAN3 meeting two weeks ago.

Discussion: The CR is not based on the latest version of the specification.

In the CR it is a proposal to change the SII2 indicator for initial DP but the intention is to change it for the other relevant DP e.g. connect DP.

The different parameters have exactly the same description and it doesn't say how it shall be used.

It is not the intention to change the service requirement or the service modifications even though the description has been change. It is just to aligne the ASN.1.

This is a modification of a feature and since the last CN plenary it is not allowed for R99. If this is changed other changes is needed in other specifications etc.

It was decided just to have the parameters like it is defined in CAMEL phase 3 today, in the higher level, not in the forward and backward direction as proposed in the CR.

Conclusion: Rejected

N2-000273, CR 004 (cat F) on 23.072, source Vodafone: *Transfer of Procedure Check_CD_SII2 to TS 23.078*

Ruth Hewson presented the document that has a corresponding CR for 23.078 in document N2-000276. The procedure is the only CAMEL specific in the Call deflection specification and it's proposed to move it to 23.078.

Discussion: It has to be included in 23.078 if it takes away from this specification. Both N2-00273 and N2-000276 have to be approved or none. MCC is monitoring the approval of CRs in plenary. Endorsed conditional that the N2-000276.

Conclusion: Endorsed

N2-000276, CR 187 (cat F) on 23.078, source Vodafone: *Transfer of Procedure CHECK_CD_SII2 from TS 23.072*

Corresponding CR to document N2-000273

Discussion: Agreed on the condition that N2-000273 is agreed.

Conclusion: Agreed

N2-000324, CR 057 rev 2 (cat F) on 23.018, source Vodafone: *Handling of the Call Diversion Treatment Indicator*

Revised document of N2-000309

Discussion: No comments! Endorsed by N2.

Conclusion: Endorsed

N2-000274, CR 003 (cat F) on 23.093, source Vodafone: *Handling of the Call Completion Treatment Indicator*

Ruth Hewson presented the document.

Discussion: In page 2 there is no yes and no in the lower box.

The description in the last sheet will be updated. It shall be the same as it is in the specification today. Ruth Hewson will revise the document and send it to N4. The revised document is N4-000526.

Conclusion: Endorsed (revised)

N2-000262, CR 184 (cat F) on 23.078, source Nokia: *Remove of the Waiting_for_End_Of_User_Interaction_MON state*

Vesa Tiainen presented the document.

Discussion: The same content as in N2-000286. Wrong figure name.

Conclusion: Withdrawn

N2-000286, CR 191 (cat F) on 23.078, source Alcatel: *Clean-up the Monitoring state User Interaction*

This document has the same content as N2-000262 that was earlier presented.

Conclusion: Agreed

N2-000271, CR 056 (cat F) on 23.018, source Vodafone: *Correction to Process ICH_VLR*

Ruth Hewson presented the document. The procedure CAMEL_O_CSI_CHECK_VLR is called twice in succession, one of the occurrences should be procedure CAMEL_D_CSI_CHECK_VLR as described in the text.

Conclusion: Endorsed

N2-000275, CR 186 (cat F) on 23.078, source Vodafone: *Correction to Procedure CAMEL_ICH_MSC_INIT*

Ruth Hewson presented the document.

Discussion: Is the decisionbox needed? If not a new CR that removes it, has to be produced. The WI is not correct in the coversheet and has to be corrected before approval in plenary.

Conclusion: Agreed

N2-000303, CR 201 (cat F) on 23.078, source Vodafone: *Correction to Proceure CAMEL_Modify_CUG_Info*

The procedure CAMEL_Modify_CUG_Info needs updateing, as the "CUG Control" parameter is no longer used. This needs replacing with the "Non-CUG call" parameter within the Service Interaction Indicators Two parameter. The CR was prepared and presented by Ruth Hewson.

Discussion: One decision box will be seperated into to different boxes.

Conclusion: Revised in N2-000326

N2-000326, CR 201 rev 1 (cat F) on 23.078, source Vodafone: *Correction to Proceure CAMEL_Modify_CUG_Info*

Revised document of N2-000303

Discussion: Agreed without presentation

Conclusion: Agreed

N2-000325, CR 134 rev 3 (cat F) on 23.078, source Nokia / Alcatel: *Interworking of Call Forwardings and new CAMEL3 trigger detection points*

The CR presented at the last meeting was rejected during the e-amil discussion after the meeting. Isabelle Lantelme presented the revised document of N2-000231.

Discussion: The called party BCD number is explained in subclause 4.2.1.2.2 and a reference to this subclause shall be included. Remove the carrier selection information. The text of * and # will be changed so that it may be there.

Conclusion: Revised in N2-000327

N2-000327, CR 134 rev 4 (cat F) on 23.078, source Nokia / Alcatel: *Interworking of Call Forwardings and new CAMEL3 trigger detection points*

Revised version of document N2-000325

Discussion: The version number in the coversheet shall be changed. It hasn't been any major changes in this subclause in the last version. Rogier Noldus is volotered to draw a table of how to use the Call party number and the call party BCD number.

Conclusion: Agreed

6.3 CAMEL phase 3 / Call related / AoC

N2-000268, CR 137 rev 2 (cat) on 23.078, source Nokia: *E-parameter handling of distinct CAP dialogues/TDPs*

Keijo Palviainen presented the document. The reason for change is that it is not defined what to do when CAP dialogs open and close during a call.

Discussion: The principle was agreed. The word pending hasn't been used before and will be deleted in the CR. The wording has to be consistens and the SDLs has to be updated. We discard tsw and discard the stored e-parameter.

Conclusion: Revised in N2-000328

N2-000328, CR 137 rev 3 (cat) on 23.078, source Nokia: *E-parameter handling of distinct CAP dialogues/TDPs*

Revised document of N2-000268

Discussion: Not available

Conclusion: Postponed

N2-000300, CR 199 (cat F) on 23.078, source Alcatel: *AoC for multiple dialogue*

Isabelle Lantelme presented the document that has the same reason for change and is a contraditor CR to the one in N2-000268.

Discussion: Rejected in favour of N2-000268.

Conclusion: Rejected

6.4 CAMEL phase 3 / GPRS

N2-000277, CR 188 (cat F) on 23.078, source Vodafone: *Update of References for the Location Information IE*

The Location Information IE is defined in 3G TS 23.018. Instead of re-defining the Location Information IE every time it is used, 3G TS 23.078 should refer back to 23.018.

Discussion: LAI is missing. Isabelle Lantelme has another CR in the same area. This CR will be discussed further when the CR from Alcatel is discussed.

Conclusion: Revised in N2-000329

N2-000329, CR 188 rev 1 (cat F) on 23.078, source Vodafone: *Update of References for the Location Information IE*

Revised document of N2-000277.

Conclusion: Agreed

N2-000301, CR 200 (cat F) on 23.078, source Alcatel: *ACR/AC supervision for GPRS*

Isabelle Lantelme presented the document that proposes to include a new feature.

Discussion: The reason to submit the CR is to align it with the CS case but it's not a requirement for GPRS. The delegates had some concerns about the guardtime and stoping and starting timers. Isabelle Lantelme can't see that it works today and therefore she made the contribution.

Working assumption:

one tariff switch per PDP Context and one tariff switch per Session.

One period timer per Session, one period timer per PDP Context and one volume counter per PDP Context.

The principle of the tariff switch timer per PDP context described in this contribution was agreed.

The guard timer is not needed and is therefore not a correction and not agreed.

SCP has to send charging when an apply charging report is sent. The statement will be added in the text.

Conclusion: Revised in N2-000330

N2-000330, CR 200 rev 1 (cat F) on 23.078, source Alcatel: *ACR/AC supervision for GPRS*

Revised document of N2-000301.

Discussion: On page 3 in the last note it says that guard timer is needed but it was the other way around. It shall mandatory to reply on the SGSN on apply charging report. It may be a guardtimer in SGSN. No new abbreviations should be introduced. The word call shall be deleted. "n case o" shall be deleted in "In case of" so it just says "if".

Conclusion: Revised in N2-000346

N2-000346, CR 200 rev 2 (cat F) on 23.078, source Alcatel: *ACR/AC supervision for GPRS*

Revised document of N2-000330. Isabelle Lantelme presented the document.

Discussion: The subclause 6.5.3.A was proposed as new text in the earlier in the earlier CR. It has accidently been changed at shall be re-marked as changes.

The content in the note shall not be mandatory.

It may be guardtimers in the SCF.

It is mandatory to reply in the apply charging report in certain cases.

Some spelling and editorial correction is needed.

The word call shall not be in this part of the specification.

The examples shall be moved to the end of the subclause.

The correct abbreviations for connect and continue are CON and CUE.

The note in example 2 will be deleted.

Tsw in the sheet shall not be written with abbreviations.

The document shall be updated with SDT.

Conclusion: Revised in N2-000347

N2-000347, CR 200 rev 3 (cat F) on 23.078, source Alcatel: *ACR/AC supervision for GPRS*

Revised document of N2-000346

Discussion: A revised document will be presented at the next CN2 meeting.

Conclusion: Postponed to the next meeting.

N2-000315, CR 111 (cat F) on 29.078, source Ericsson: *Replacing 'NetworkSpecificBoundSet' by CapSpecificBoundSet'*

All 'NetworkSpecificBoundSet' shall be replaced by CapSpecificBoundSet'

Discussion: One replacement is missing.

Conclusion: Revised in N2-000332

N2-000332, CR 111 rev 1 (cat F) on 29.078, source Ericsson: *Replacing 'NetworkSpecificBoundSet' by CapSpecificBoundSet'*

Revised document of N2-000315

Discussion: Agreed without presentation.

Conclusion: Agreed

N2-000290, CR 194 (cat F) on 23.078, source Ericsson: *Corrections on GPRS*

Rogier Noldus presented the document with several corrections to the GPRS clauses.

Discussion: If the procedure names in 6.5.2 are changed as proposed, Ericsson will also write a CR to 23.060.

Table 3 is reflecting Scenario 1 and Table 4 Scenario 2.

GGSN shall be removed from figure 6.1.

Definition of the timer shall just be in sheet number one and a reference in the other sheets.

GPRS Relationship shall be GPRS dialogue.

Rogier Noldus shall check if Paragraph 2 on page 33 needs to be revised.

Stored e-parameter, the wording shall be the same as for CS.

In the CR Ericsson has questions in the SDLs about the Int_error e.g. in page 19. It will be left as it is but it will be marked as internal.

Conclusion: Revised in N2-000334

N2-000334, CR 194 rev 1 (cat F) on 23.078, source Ericsson: *Corrections on GPRS*

Revised document of N2-000290

Discussion: Not available

Conclusion: Postponed

N2-000288, CR 193 (cat F) on 23.078, source Alcatel: *GPRS Change of Position Procedure for Session and Context*

Christian Homann presented the document.

Discussion: The CR will be revised so it doesn't have any conflict with the CR from Ericsson in document N2-000290.

Conclusion: Revised in N2-000335

N2-000335, CR 193 rev 1 (cat F) on 23.078, source Alcatel: *GPRS Change of Position Procedure for Session and Context*

Revised document of N2-000288.

Discussion: Agreed without presentation.

Conclusion: Agreed.

N2-000263, CR 185 (cat F) on 23.078, source Nokia: *Addition of the Handle_FCI_GPRS procedure*

Vesa Tiainen presented the document. The CR proposes to add the Procedure Handle_FCI_GPRS in the SDLs and minor clarification to the Procedure Complete_FCI_Record_GPRS are proposed.

Discussion: Two decision boxes have to be aligned.

Conclusion: Revised in N2-000336

N2-000336, CR 185 rev 1 (cat F) on 23.078, source Nokia: *Addition of the Handle_FCI_GPRS procedure*

Revised document of N2-000263

Discussion: Agreed without presentation

Conclusion: Agreed

N2-000291, CR 195 (cat F) on 23.078, source Siemens: *Removal of sGSN-Address in InitialDPGPRS operation*

Sumio Miyagawa presented the document. In the last meeting it was realized that the SGSN address is defined twice and shall therefore be removed.

Discussion: Keijo Palviainen had another CR that proposes to delete the same thing in document N2-000283.

Conclusion: Withdrawn

N2-000283, CR 190 (cat F) on 23.078, source Nokia: *Removal of duplicate SGSN address/number from IDP-GPRS*

Currently the SGSN SS7 address is twice in the InitialDP-GPRS CAP operation. The duplication is removed.

Discussion: The location information and the SGSN were added at the same time but not of the same reason. Therefore they are both there and both contain the SGSN address. The SGSN address is an IP address and the SGSN number is the SS7 address.

Conclusion: Agreed

N2-000294, CR 105 (cat F) on 29.078, source Siemens: *Removal of sGSN-Address in InitialDPGPRS operation*

Sumio Miyagawa presented the document.

Discussion: Keijo Palviainen has an identical CR in document N2-000270.

Conclusion: Withdrawn

N2-000270, CR 102 (cat F) on 29.078, source Nokia: *Removal of duplicate SGSN address/number from IDP-GPRS*

Nokia didn't present the document since it is identical as the CR from Siemens in N2-000294.

Conclusion: Agreed

N2-000264, CR 101 (cat F) on 29.078, source Nokia: *CAP-GPRS-ReferenceNumber ASN.1 correction*

Vesa Tiainen presented the proposed correction of CAP-GPRS-ReferenceNumber OBJECT IDENTIFIER.

Conclusion: Agreed

N2-000280, CR 181 rev 2 (cat F) on 23.078, source Lucent Technologies: *Indication of Network requested PDP Context in Initial DPGPRS message*

Michel Grech presented the revision of the document presented in the Rotenburg meeting. It is proposed to include a new IE, PDP Initiation Type that inform if the PDP context was established as a result of a network-initiated request or as a result of a subscriber request.

Discussion: What will happen if a network initiated PDP context is established? Ericsson and Marconi thought that it's a useful feature. Siemens oppose. Nokia don't know. The proposed change has no impact on other specification. Alcatel oppose the CR.

Alcatel wanted to change the category to B. Nokia explained that this feature is used for prepaid and without this it will not work properly. It says CAMEL phase 4 in the coversheet. It should be CAMEL phase 3. Since not everyone was in favour of the proposed changes it's a risk that the CR will be rejected in the plenary.

Conclusion: Agreed

N2-000281, CR 099 rev 2 (cat F) on 29.078, source Lucent Technologies: *Indication of Network requested PDP Context in Initial DP GPRS message*

The corresponding Stage 3 CR to N2-000280.

Conclusion: Revised in N2-000337

N2-000337, CR 099 rev 3 (cat F) on 29.078, source Lucent Technologies: *Indication of Network requested PDP Context in Initial DP GPRS message*

Revised version of N2-000281.

Conclusion: Agreed

N2-000297, source Alcatel: *Location Number GPRS*

Isabelle Lantelme presented the contribution with the purpose to clarify how the location information field used in a GPRS network.

Conclusion: Noted

N2-000298, CR 198 (cat F) on 23.078, source Alcatel: *Location Number GPRS*

Isabelle Lantelme presented the CR that proposes to add the Routing area, the age of the location for RA and the SLSA id in 23.078.location information gprs.

Discussion: The proposed deletion of the table was not accepted since it changes the functionality. It was agreed to add the age of location. A new row in the table of location information in MSC will be added with the location information. Isabelle Lantelme will delete the proposed changes in the beginning of the document to avoid conflict with other CRs.

Change of the text as it is proposed in N2-000329. It has also to be aligned with 23.018.

Conclusion: Revised in N2-000338

N2-000338, CR 198 rev 1 (cat F) on 23.078, source Alcatel: *Location Number GPRS*

Revised document of N2-000298. Isabelle Lantelme presented the revisions since the last updated document. It has been aligned with the agreed contribution from Vodafone.

Discussion: In the contribution it was hard to see what was meant for this CR and the one that has already been agreed in the CR from Vodafone in document N2-000329. Vodafone and Alcatel will revise the document together.

Conclusion: Revised in N2-000349

N2-000349, CR 198 rev 2 (cat F) on 23.078, source Alcatel / Vodafone: *Location Number GPRS*

Revised document of N2-000349

Discussion: Not available.

Conclusion:

N2-000299, CR 106 (cat F) on 29.078, source Alcatel: *Location Number GPRS*

The document is the corresponding stage 3 CR to N2-000298.

Discussion: OCTET shall be changed to OCTET STRING SIZE (1)

Conclusion: Revised in N2-000339

N2-000339, CR 106 rev 1 (cat F) on 29.078, source Alcatel: *Location Number GPRS*

the document is the revision of N2-000299

Discussion: Agreed without presentation

Conclusion: Agreed

N2-000289, CR 103 (cat F) on 29.078, source Alcatel: *Comments on 'Introduction of GPRS reference in TCAP dialogue portion'*

Christian Homann presented the document.

Discussion: Error code for GPRS starts with 20 and onwards in a CR from Rogier Noldus. This has to be aligned.

Otherwise shall be changed to other operation

The proposed added elipses in 8.1 shall be deleted.

Conclusion: Revised in N2-000340

N2-000340, CR 103 rev 1 (cat F) on 29.078, source Alcatel: *Comments on 'Introduction of GPRS reference in TCAP dialogue portion'*

Revisions of document N2-000289. Some additional changes have been incorporated from a CR from Sumio Miyagawa. Christian Homann presented the document even though it was agreed without presentation. .

Discussion: Ruth Hewson had some grammatical remarks and it will be dealt with off line.

Conclusion: Revised in N2-000348

N2-000348, CR 103 rev 2 (cat F) on 29.078, source Alcatel: *Comments on 'Introduction of GPRS reference in TCAP dialogue portion'*

Revised document of N2-000340

Discussion: Agreed without presentation.

Conclusion: Agreed

N2-000321, source Ericsson: *Outstanding CAMEL GPRS issues*.

Rogier Noldus presented 13 open issues for GPRS and proposals how to treat them.

Discussion: Rogier Noldus will write proper CRs to the agreed changes and present them at another meeting.

Conclusion: Noted

N2-000292, CR 196 (cat F) on 23.078, source Siemens: *Delete Gprs Reference Number*

Sumio Miyagawa presented the document.

Discussion: The reference number will be kept in stage 2.

Conclusion: Rejected

N2-000293, CR 104 (cat F) on 29.078, source Siemens: *Revised GPRS TCAP reference in TCAP dialogue portion*

Sumio Miyagawa presented the document.

Discussion: The operations on the top of page 9 will be deleted.

Overlapping dialogue in application level or on lower level? It was agreed to have it as it is proposed in the CR.

It was decided to have two errors and Sumio Miyagawa will therefore revise the CR.

In "GPRS Reference Number in the first TCAP TC-CONTINUE or TC-END", TC-END shall be deleted.

Conclusion: Revised in N2-000341

N2-000341, CR 104 rev 1 (cat F) on 29.078, source Siemens: *Revised GPRS TCAP reference in TCAP dialogue portion*

Revised Version of document N2-000293. Sumio Miyagawa presented the changes since the last version.

Discussion: No comments.

Conclusion: Agreed

N2-000311, CR 109 rev (cat F) on 29.078, source Ericsson: *Correction to GPRS CONTRACT*

Rogier Noldus presented the document. The gsmSCF can not start a TCAP dialogue with operation ResetTimerGPRS. PACKAGE 'gprsTimerPackage'. It shall therefore be removed from the INITIATOR of CONTRACT 'cap3GsmScfToGprsSsf'

Conclusion: Agreed

N2-000312, CR 110 (cat C) on 29.078, source Ericsson: *Adding 'Hand-over' indication to Disconnect and Detach notification*

Rogier Noldus presented the document. The intention with the CR is to let the SCP be informed when a Detach or PDP Context Disconnection was caused by hand-over.

Discussion: No support for the moment. Rogier Noldus will check if it is really needed.

Conclusion: Withdrawn

N2-000307, CR 203 (cat D) on 23.078, source Alcatel: *Move of processing rules for GPRS context.*

Christian Homann presented the document. The description of the GPRS dialogue shall be moved from the 29.078 to the 23.078, where similar DP processing is described.

Discussion: The last bullet in state waiting for instruction shall be moved to another subclause.

Conclusion: Revised in N2-000342

N2-000342, CR 203 rev 1 (cat D) on 23.078, source Alcatel: *Move of processing rules for GPRS context.*

Revision of document N2-000307

Discussion: Agreed without presentation.

Conclusion: Agreed

N2-000314, CR 108 (cat D) on 29.078, source Alcatel: *Move of processing rules for GPRS context.*

The corresponding CR to the one in document N2-000307.

Conclusion: Agreed

N2-000316, CR 112 (cat C) on 29.078, source Ericsson: *Renumbering of GPRS specific Error codes*

Rogier Noldus presented the document. It proposes to start with the error codes at number 20 and to move the definition of the object identifier for id-package-gprsContinue and id-package-gprsExceptionInformation.

Discussion: GPRS error codes shall be 50 and 51.

Conclusion: Revised in N2-000343

N2-000343, CR 112 rev 1 (cat F) on 29.078, source Ericsson: *Renumbering of GPRS specific Error codes*

Revision of document N2-000316

Discussion: Agreed without presentation.

Conclusion: Agreed

N2-000331, CR 204 (cat F) on 23.078, source Vodafone: *Interaction with CUG*

Ruth Hewson presented the document. In MT you shall not be possible to modify CUG if it's not a CAMEL call forwarding.

Conclusion: Agreed

N2-000333, CR 113 rev (cat) on 29.078, source Alcatel: *Correction of CAMEL-SCIBillingChargingCharacteristics*

Christian Homann presented his contribution with the reason for change is that CAMEL-SCIBillingChargingCharacteristics is a choice of AOCBeforeAnswer and AOCSubsequent instead of a sequence of both.

Discussion: No comments.

Conclusion: Agreed

7 Release 2000

7.1 Review of CAMEL phase 4 Stage 1 draft

N2-000282, source 22.078 Rapporteur (Lucent Technologies): *Working Assumption on Stage 1 for CAMEL Phase 4*

Michel Grech presented his summary of what happened in the phase 4 ad hoc. It is a report from the rapporteur for 22.078, not an official report.

The working assumption is, in addition to what's already been reported in a LS to N2:

- Call Party Handling (as postponed from CAMEL phase 3, but different from the Category I description in LS N2-000108)
- Mid call procedure for MO and MT calls (as postponed from CAMEL phase 3)
- Enhancements to CSE control of call duration – playing of tones (as postponed from CAMEL Phase 3)
- IP Telephony/CAMEL interaction

Since the S1 meeting is this week a draft 22.078 haven't been produced. The content could be changed in the S1 meeting that was held the same week)

Discussion: In the attached files is the agreed CRs for 22.078 agreed in the ad hoc. The CR for CPH is missing and it will be added in the document list for this meeting. The already agreed content was presented in a LS to the last N2 meeting in document N2-000156.

Conclusion: Noted

N2-000269, CR ?? on 22.078, source Nokia: *GPRS AC/ACR alignment of shared data volume control (Stage 1 vs. 2)*

Keijo Palviainen presented the document. The CAMEL3 stage 2 does not include the functionality of shared data volume control, although stage 1 requires it. Given the tight CAMEL phase 3 timetable Nokia proposes to remove this inadequately documented functionality, rather than trying to implement the requirement. (The Stage 1 requirement would require among other things SDL changes and very precise documentation how the "shared" data volume counters are maintained in various cases.)

Discussion: There is a potential service requirement for this. T-mobile is in favor of having this feature in a long term but it is not urgent to have it in R99. Siemens and Lucent support the CR. Further clarifications of Clarification of Apply charging and the apply charging report needs to be included in the CR.

Conclusion: endorsed

7.2 Review of OSA/API specifications (N5)

N2-000284, source N2 chairman: *OSA/API part1 introduction - 29.198*

Presented for information.

Conclusion: Noted

N2-000285, 29.998, source N2 chairman: *OSA/API part2 introduction - 29.998*

Presented for information.

Discussion: Jane D Humphrey informed that part two is a mapping document is just an informative document and it has an impact on CAMEL. It is a N5 document but it is useful if the N2 delegates read the mapping document and give comments to their colleagues in N5.

Today there is no formal way to inform N5 of changes in R99 of CAP. MCC will take care of the information exchange between the groups. The latest approved CRs shall be sent to N5 for information.

Conclusion: Noted

7.3 Other CAMEL phase 4 documents

N2-000278, CR 189 (cat B) on 23.078, source Vodafone: *Introduction of CPH*

Ruth Hewson presented the document. It is a first draft CR with the intention to start a discussion of the modeling. It's therefore not a complete CR.

Discussion: Interaction with SS: They don't recommend not to have multiparty and CPH. It shall be used together with SII2 indicator.

Reuse the cap dialog when the new call is coming in? N2 will wait for service requirement. The companies have to check the service requirements at home.

Merge call segments: It's the intention to move them all at the same time or move them one by one?

Conclusion: Revised

N2-000322, source Alcatel: *SDLs for Segment Association*

Christian Homann presented the document. CPH was in R99 and some SDLs had been included in phase 3 in October. The SDLs was taken away due to that it was decided to not have it in R99. The document was presented from information.

Discussion: The conflicts with the contribution from Vodafone is the about the initial DP.

Conclusion: postponed

N2-000304, CR 202 (cat B) on 23.078, source Vodafone: *Introduction of Alerting DP*

Ruth Hewson presented the stage 2 contribution, which propose inclusion of alerting due to it's required in the CPH.

Discussion: Frans Haerens asked about the alignment with CS-2. He also poinetd out that O-abanden is missing. The table of the disarming have to be updated. A new line from the Routing to the O_answer.

Conclusion: Revised in N2-000323

N2-000323, CR 202 rev 1 (cat B) on 23.078, source Vodafone: *Introduction of Alerting DP*

Revised document of N2-000304

Discussion: The changes of the name will be the same in the whole document. Agreed with modifications and the content will be included in the draft CAMEL phase 4 specification prepared by Sumio Miyagawa. This CR from Vodafone will be formally withdrawn.

Conclusion: Withdrawn

N2-000306, CR 058 (cat B) on 23.018, source Vodafone: *Introduction of Alerting DP*

Ruth Hewson presented the CR.

Discussion: It is assumed that this is just applicable for circuit switch. The CR is the first in the collective CAMEL phase 4 CR to 23.018, produced by Ruth Hewson.

Conclusion: Endorsed

N2-000305, CR 107 (cat B) on 29.078, source Vodafone: *Introduction of Alerting DP*

The document was postponed until the stage 2 is more stable.

Conclusion: postponed

8 Maintenance of earlier CAMEL phases

8.1 CAMEL phase 1

No documents

8.2 CAMEL phase 2

No documents

9 Review of dates and hosts for future meetings

9.1 Approval year 2001 meeting calendar

This discussion was taking place in a joint N4/ N2 meeting. It has earlier been decided to have the meetings co-located and the meeting schedule was planned together.

N2-000265, source N2 chairman: *TSG-CN WG2 proposed calendar for year 2001*

Keijo Palviainen as a chairman presented his proposal of the meeting schedule of N2.

Discussion: SA meetings will be extended to 4 days, starting at the next meeting. The SA meeting in December is missing in the schedule but the information has no impact on the meeting schedule of the N2 meetings.

Conclusion: Noted

N4-000472, source N4 Chairman: *Meeting calendar year 2001*

Yun-Chao Hu presented his contribution that includes the two proposals. It's proposed to not have any meeting in the end of July until mid August due to school holiday in Europe. The different from the proposal from N2 is that it also includes a second proposal with 8 meetings instead of 6.

Discussion:

The following things were agreed:

- Not any meeting on the thanks giving which takes place the 22 of November.
- It shall be six meetings during next year.
- The second meeting will be moved to the 26th of February to the second of March.
- The fourth meeting is moved to the 9-13 of July.
- Meeting number six was moved one week to the 26th to 30th of November.

Ericsson has volunteered to host a meeting in January or February e.g. Australia or Germany. Other companies that are interested to host one meeting should send a mail to Keijo Palviainen and Yun-Chao Hu including a preferred meeting that they would like to host.

Conclusion: Noted

N4-000505, source Vodafone : *Updated meeting calendar year 2001*

N4 had updated the meeting calendar for the next year and since it will be at the same time and place as the N2 meetings, Ian Park presented the document for information.

3GPP Meeting	Date	Place	Host
TSG#10	6-13 December 2000	Bangkok, Thailand	
N2#16	15-19 January 2001	?	?
N2#17	26 February -2 March 2001	?	?
TSG#11	14-22 March 2001	USA	T1 companies
N2#18	14-18 May 2001	?	?

TSG#12	13-21 June 2001	Stockholm, Sweden	Ericsson
N2#19	09-13 July 2001	?	?
TSG#13	26 Sep – 4 Oct 2001	Beijing, China	Lucent Technologies, CWTS
N2#20	15-19 October 2001	?	?
N2#21	26-30 November 2001	?	?
TSG#14	12-20 December 2001	?	?

Conclusion: Noted

Review of the Meeting schedule for 2000

Meeting	Date	Host	Venue
N2#13	28 Aug. - 1 Sept.	T1P1	Seattle, US
S1 CAMEL ad hoc	11-13 Sept.		
N2#14	16 - 20 Oct.	Telekom Austria AG	Vienna, Austria
N2#15	13 – 17 Nov.	Alcatel	Paris, France

10 A.O.B.

10.1 Preparation for the next meeting

The next meeting will take place in Seattle the 28th of August to the 1st of September. The deadline for the document numbers and the documents is Thursday the 24th of August. The reason for the deadline is that list of documents in the order of the agenda shall be available on Friday and that all the delegates shall be able to print the contributions before leaving the office.

Information about documents that shall be presented at the next meeting shall be included in a request sheet. The request sheet and the documents shall then be sent to Monica Hellman before the deadline for new contributions. Documents that got numbers in the number range for the Helsinki meeting doesn't have to have new numbers before the meeting.

10.2 Missing Documents

Deadline for documents that were agreed but not available is two week before next plenary.

11 Closing of the meeting

The chairman thanked the delegates and the secretary for a good and fruitful meeting. Ian Park on the behalf of the delegaters thanked Nokia for the exelent hosting of the meeting and the social event. The chairman then closed the meeting.

Annex A Participants list

DELEGATE	COMPANY	PHONE	EMAIL
Mrs Deborah Ackermann	France Telecom	+33 1 45 29 69 32	deborah.ackerman@francetelecom.fr
Mr. François Dronne	France Telecom	+33 1 45 29 62 74	francois.dronne@francetelecom.fr
Mr. Michel Grech	Lucent Technologies N. S. UK	+44 1793 736 110	grech@lucent.com
Mr. Steffen Habermann	Deutsche Telekom MobilNet	+49 228 936 3324	steffen.habermann@t-mobil.de
Mr. Frans Haerens	ALCATEL BELL	+32 3 240 90 34	frans.haerens@alcatel.be
Ms. Monica Hellman	ETSI	+33 4 92 94 42 31	monica.hellman@etsi.fr
Miss. Ruth Hewson	VODAFONE	+44 1635 673 148	Ruth.hewson@vf.vodafone.co.uk
Mr. Christian Homann	ALCATEL SEL AG	+49 711 821 45632	c.homann@alcatel.de
Ms. Jane D Humphrey	MARCONI COMMUNICATIONS	+44 1202 853757	jane.humphrey@marconi.com
Miss Céline Joly	Nortel Networks	+44 1628 434 734	cjoly@nortelnetworks.com
Mr. Albert Kain	SIEMENS AG	+43 5 1707 21319	albert.kain@siemens.at
Mrs. Isabelle Lantelme	ALCATEL France	+33 1 30 77 01 33	isabelle.lantelme@alcatel.fr
Mr. Sumio Miyagawa	SIEMENS KK	+81 3 5423 6745	miyagawa@twics.com
Mr. Mika Naula	SONERA Corporation	+358 2040 71253	mika.naula@sonera.com
Mr Rogier Noldus	Ericsson	+31 161 24 9400	rogier.noldus@etm.ericsson.se
Mr. Keijo Palviainen	NOKIA Corporation	+358 9 511 69669	keijo.palviainen@nokia.com
Mr. Vesa Tiainen	NOKIA Corporation	+358 95116 9712	vesa.tiainen@nokia.com
Mr. Hiroshi Yamazaki	NEC Corporation	+81 471 85 7168	h-yamazaki@cq.jp.nec.com

Annex B Output Documents

Agreed Change Requests for CAMEL Phase 3

TDoc #	spec	CR #	Rev	Cat	Title	Source
N2-000327	23.078	134	4		Interworking of Call Forwardings and new CAMEL3 trigger detection points	Nokia / Alcatel
N2-000280	23.078	181	2	F	Indication of Network requested PDP Context in Initial DPGPRS message	Lucent Technologies
N2-000336	23.078	185	1	F	Addition of the Handle_FCI_GPRS procedure	Nokia
N2-000275	23.078	186		F	Correction to Procedure CAMEL_ICh_MSC_INIT	Vodafone
N2-000276	23.078	187		F	Transfer of Procedure CHECK_CD_SII2 from TS 23.072	Vodafone
N2-000329	23.078	188	1	F	Update of References for the Location Information IE	Vodafone
N2-000283	23.078	190			Removal of duplicate SGSN address/number from IDP-GPRS	Nokia
N2-000286	23.078	191		F	Clean-up the Monitoring state User Interaction	Alcatel
N2-000287	23.078	192		D	Editorial corrections and enhancements	Alcatel
N2-000335	23.078	193	1	F	GPRS Change of Position Procedure for Session and Context	Alcatel
N2-000326	23.078	201	1	F	Correction to Procedure CAMEL_Modify_CUG_Info	Vodafone
N2-000342	23.078	203	1	D	Move of processing rules for GPRS context.	Alcatel
N2-000331	23.078	204		F	Interaction with CUG	Vodafone
N2-000337	29.078	099	3	F	Indication of Network requested PDP Context in Initial DP GPRS message	Lucent Technologies
N2-000264	29.078	101		F	CAP-GPRS-ReferenceNumber ASN.1 correction	Nokia
N2-000270	29.078	102			Removal of duplicate SGSN address/number from IDP-GPRS	Nokia
N2-000348	29.078	103	2	F	Comments on 'Introduction of GPRS reference in TCAP dialogue portion'	Alcatel
N2-000341	29.078	104	1	F	Revised GPRS TCAP reference in TCAP dialogue portion	Siemens
N2-000339	29.078	106	1	F	Location Number GPRS	Alcatel
N2-000314	29.078	108		D	Move of processing rules for GPRS context.	Alcatel
N2-000311	29.078	109		F	Correction to GPRS CONTRACT	Ericsson
N2-000332	29.078	111	1	F	Replacing 'NetworkSpecificBoundSet' by CapSpecificBoundSet'	Ericsson
N2-000343	29.078	112	1	F	Renumbering of GPRS specific Error codes	Ericsson
N2-000333	29.078	113			Correction of CAMEL-SCIBillingChargingCharacteristics	Alcatel

N4 Documents Endorsed by N2

TDoc #	spec	CR #	Rev	Cat	Title	Source
N2-000271	23.018	056		F	Correction to Process ICH_VLR	Vodafone
N2-000324	23.018	057	2	F	Handling of the Call Diversion Treatment Indicator	Vodafone
N2-000306	23.018	058		B	Introduction of Alerting DP	Vodafone
N2-000273	23.072	004		F	Transfer of Procedure Check_CD_SII2 to TS 23.078	Vodafone
N2-000274	23.093	003		F	Handling of the Call Completion Treatment Indicator	Vodafone

Approved Liaison Statement

TDoc #	To	Title	Source
N2-000344	N4, S2	Basic call handling for IP telephony	N2 Chairman

Other Documents Agreed in N2 and for Approval in CN

TDoc #	Title	Source
N2-000345	Terms of References	N2 Chairman

Annex C List of Documents

TDoc #	spec	CR #	Rev	Cat	Title	Source	Conclusion
N2-000231	23.078	134	2		Interworking of Call Forwardings and new CAMEL3 trigger detection points	Nokia	Revised in N2-000325
N2-000258					Agenda	Chairman	Approved
N2-000259					document allocation	Chairman	Approved
N2-000260					Meeting report from Rotenburg	MCC	Noted
N2-000261					Terms of References	CN	Revised in N2-000317
N2-000262	23.078	184		F	Remove of the Waiting_for_End_Of_User_Interaction_MON	Nokia	Withdrawn
N2-000263	23.078	185		F	Addition of the Handle_FCI_GPRS procedure	Nokia	Revised in N2-000336
N2-000264	29.078	101		F	CAP-GPRS-ReferenceNumber ASN.1 correction	Nokia	Agreed
N2-000265					TSG-CN WG2 proposed calendar for year 2001	N2 chairman	Noted
N2-000266					Discussion paper for CAMEL4 IPT document structure	N2 chairman	Noted
N2-000267					N2 specification list	N2 chairman	Revised in N2-000318
N2-000268	23.078	137	2		E-parameter handling of distinct CAP dialogues/TDPs	Nokia	Revised in N2-000328
N2-000269	22.078				GPRS AC/ACR alignment of shared data volume control (Stage 1 vs. 2)	Nokia	Endorsed
N2-000270	29.078	102			Removal of duplicate SGSN address/number from IDP-GPRS	Nokia	Agreed
N2-000271	23.018	056		F	Correction to Process ICH_VLR	Vodafone	Endorsed
N2-000272	23.018	057		F	Handling of the Call Diversion Treatment Indicator	Vodafone	Revised in N2-000309
N2-000273	23.072	004		F	Transfer of Procedure Check_CD_SII2 to TS 23.078	Vodafone	Endorsed
N2-000274	23.093	003		F	Handling of the Call Completion Treatment Indicator	Vodafone	Endorsed (revised)
N2-000275	23.078	186		F	Correction to Procedure CAMEL_ICH_MSC_INIT	Vodafone	Agreed
N2-000276	23.078	187		F	Transfer of Procedure CHECK_CD_SII2 from TS 23.072	Vodafone	Agreed
N2-000277	23.078	188		F	Update of References for the Location Information IE	Vodafone	Revised in N2-000329
N2-000278	23.078	189		B	Introduction of CPH	Vodafone	Withdrawn
N2-000279					Meeting Report (SPAN 3 Meeting: 26 June- 4 July 2000)	SPAN 3 Chairman	Noted
N2-000280	23.078	181	2	F	Indication of Network requested PDP Context in Initial DPGPRS message	Lucent Technologie	Agreed
N2-000281	29.078	099	2	F	Indication of Network requested PDP Context in Initial DP GPRS message	Lucent Technologie	Revised in N2-000337
N2-000282					Working Assumption on Stage 1 for CAMEL Phase 4	22.078 Rapporteur	Noted

N2-000283	23.078	190			Removal of duplicate SGSN address/number from IDP-GPRS	Nokia	Agreed
N2-000284	29.198				OSA/API part1 introduction	N2 chairman	Noted
N2-000285	29.998				OSA/API part2 introduction	N2 chairman	Noted
N2-000286	23.078	191		F	Clean-up the Monitoring state User Interaction	Alcatel	Agreed
N2-000287	23.078	192		D	Editorial corrections and enhancements	Alcatel	Agreed
N2-000288	23.078	193		F	GPRS Change of Position Procedure for Session and Context	Alcatel	Revised in N2-000335
N2-000289	29.078	103		F	Comments on 'Introduction of GPRS reference in TCAP dialogue portion'	Alcatel	Revised in N2-000340
N2-000290	23.078	194		F	Corrections on GPRS	Ericsson	Revised in N2-000334
N2-000291	23.078	195		F	Removal of sGSN-Address in InitialDPGPRS operation	Siemens	Withdrawn
N2-000292	23.078	196		F	Delete Gprs Reference Number	Siemens	Rejected
N2-000293	29.078	104		F	Revised GPRS TCAP reference in TCAP dialogue portion	Siemens	Revised in N2-000341
N2-000294	29.078	105		F	Removal of sGSN-Address in InitialDPGPRS operation	Siemens	Withdrawn
N2-000295					CAMEL1&2 support in UMTS networks	Nokia	Noted
N2-000296	23.078	197			Corrections and updates concerning Service Interaction Indicator Two parameter	France Telecom	Rejected
N2-000297					Location Number GPRS	Alcatel	Noted
N2-000298	23.078	198		F	Location Number GPRS	Alcatel	Revised in N2-000338
N2-000299	29.078	106		F	Location Number GPRS	Alcatel	Revised in N2-000339
N2-000300	23.078	199		F	AoC for multiple dialogue	Alcatel	Rejected
N2-000301	23.078	200		F	ACR/AC supervision for GPRS	Alcatel	Revised in N2-000330
N2-000302	23.060			F	Details on CAMEL interworking	Alcatel	postponed
N2-000303	23.078	201		F	Correction to Procure CAMEL_Modify_CUG_Info	Vodafone	Revised in N2-000326
N2-000304	23.078	202		B	Introduction of Alerting DP	Vodafone	Revised in N2-000323
N2-000305	29.078	107		B	Introduction of Alerting DP	Vodafone	Withdrawn
N2-000306	23.018	058		B	Introduction of Alerting DP	Vodafone	Endorsed
N2-000307	23.078	203		D	Move of processing rules for GPRS context.	Alcatel	Revised in N2-000342
N2-000308					Proposal for appointment of people to maintain liaison with IGC	Vodafone	Noted
N2-000309	23.018	057	1	F	Handling of the Call Diversion Treatment Indicator	Vodafone	Revised in N2-000324
N2-000310					Discussion CAMEL CS3 alignment	Siemens	Withdrawn

N2-000311	29.078	109		F	Correction to GPRS CONTRACT	Ericsson	Agreed
N2-000312	29.078	110		C	Adding 'Hand-over' indication to Disconnect and Detach notification	Ericsson	Withdrawn
N2-000313					Meeting report S1 CAMEL ad hoc	S1 CAMEL ad hoc	Noted
N2-000314	29.078	108		D	Move of processing rules for GPRS context.	Alcatel	Agreed
N2-000315	29.078	111		F	Replacing 'NetworkSpecificBoundSet' by CapSpecificBoundSet'	Ericsson	Revised in N2-000332
N2-000316	29.078	112		C	Renumbering of GPRS specific Error codes	Ericsson	Revised in N2-000343
N2-000317					Terms of References	CN	Revised in N2-000345
N2-000318					N2 specification list	N2 chairman	Noted
N2-000319					CR to 22.078 introduction of CPH in CAMEL phase 4.	Vodafone	Withdrawn
N2-000320					Basic call handling for IP telephony	N2 Chairman	Revised in N2-000344
N2-000321					Outstanding CAMEL GPRS issues.	Ericsson	Noted
N2-000322					SDLs for Segment Association	Alcatel	postponed
N2-000323	23.078	202	1	B	Introduction of Alerting DP	Vodafone	Withdrawn
N2-000324	23.018	057	2	F	Handling of the Call Diversion Treatment Indicator	Vodafone	Endorsed
N2-000325	23.078	134	3		Interworking of Call Forwardings and new CAMEL3 trigger detection points	Nokia / Alcatel	Revised in N2-000327
N2-000326	23.078	201	1	F	Correction to Procure CAMEL_Modify_CUG_Info	Vodafone	Agreed
N2-000327	23.078	134	4		Interworking of Call Forwardings and new CAMEL3 trigger detection points	Nokia / Alcatel	Agreed
N2-000328	23.078	137	3		E-parameter handling of distinct CAP dialogues/TDPs	Nokia	Postponed
N2-000329	23.078	188	1	F	Update of References for the Location Information IE	Vodafone	Agreed
N2-000330	23.078	200	1	F	ACR/AC supervision for GPRS	Alcatel	Revised in N2-000346
N2-000331	23.078	204		F	Interaction with CUG	Vodafone	Agreed
N2-000332	29.078	111	1	F	Replacing 'NetworkSpecificBoundSet' by CapSpecificBoundSet'	Ericsson	Agreed
N2-000333	29.078	113			Correction of CAMEL-SCIBillingChargingCharacteristics	Alcatel	Agreed
N2-000334	23.078	194	1	F	Corrections on GPRS	Ericsson	Postponed
N2-000335	23.078	193	1	F	GPRS Change of Position Procedure for Session and Context	Alcatel	Agreed
N2-000336	23.078	185	1	F	Addition of the Handle_FCI_GPRS procedure	Nokia	Agreed
N2-000337	29.078	099	3	F	Indication of Network requested PDP Context in Initial DP GPRS message	Lucent Technologie	Agreed
N2-000338	23.078	198	1	F	Location Number GPRS	Alcatel / Vodafone	Revised in N2-000349

N2-000339	29.078	106	1	F	Location Number GPRS	Alcatel	Agreed
N2-000340	29.078	103	1	F	Comments on 'Introduction of GPRS reference in TCAP dialogue portion'	Alcatel	Revised in N2-000348
N2-000341	29.078	104	1	F	Revised GPRS TCAP reference in TCAP dialogue portion	Siemens	Agreed
N2-000342	23.078	203	1	D	Move of processing rules for GPRS context.	Alcatel	Agreed
N2-000343	29.078	112	1	F	Renumbering of GPRS specific Error codes	Ericsson	Agreed
N2-000344					Basic call handling for IP telephony	N2 Chairman	Approved
N2-000345					Terms of References	N2 Chairman	Approved
N2-000346	23.078	200	2	F	ACR/AC supervision for GPRS	Alcatel	Revised in N2-000347
N2-000347	23.078	200	3	F	ACR/AC supervision for GPRS	Alcatel	postponed
N2-000348	29.078	103	2	F	Comments on 'Introduction of GPRS reference in TCAP dialogue portion'	Alcatel	Agreed
N2-000349	23.078	198	2	F	Location Number GPRS	Alcatel / Vodafone	postponed
N4-000472					Meeting calendar year 2001	N4 Chairman	Noted
N4-000505					Updated meeting calendar year 2001	Vodafone	Noted