



Third Generation Partnership Project

Draft Meeting REPORT v1.10.0
3GPP TSG_CN_WG4#07

Sophia Antipolis, FRANCE
26th February – 2nd March 2001



Hosted by ETSI

Chairman: Yun-Chao Hu, Ericsson
Vice-Chairman: Teemu Mäkinen, Nokia
MCC Support: Kimmo Kymäläinen, ETSI MCC.

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1 Opening of the meeting Approval of Agenda

Mr. Yun-Chao Hu, CN4 chairman opened the meeting. Ms Emmanuelle Wurffel gave a welcome introduction on behalf of ETSI. Additional support was provided Mr. Kimmo Kymäläinen (CN4 Secretary, MCC).

1.1 Make calls for IPRs

Document is included in Annex C.

The agenda was presented and approved (N4-01311R1).

2 Document Allocation

Document allocation (N4-010322) was approved and revised (N4-010422)

2.1 Make calls for IPRs

Document is included in Annex C.

3 Meeting Reports

Beijing meeting report (N4-010323) approved.
Madrid Rel-4 Ad Hoc meeting report (N4-010324) approved.

4 Liaison Statements

Document: N4-010418
Title: Reply to LS on Multiparty issues
Source: S1
Presented: Mr. Peter Schmitt, Siemens
Discussion:

Decision: Noted

Document: N4-010419
Title: Response to NJ-010107 (LS "Control of IP multimedia services")
Source: S1
Presented: Mr. Michael Young, Motorola
Discussion:

Decision: Noted

Document: N4-010420
Title: Removal of Visited Control S-CSCF option from Release 5 IPMM Architecture
Source: S2
Presented: Mr. Miguel Pallares
Discussion:

Decision: Noted

Document: N4-010421
Title: LS on Replacement of 23.121 for R4 onwards
Source: S2
Presented: Mr. John Menard

Discussion:

Decision: Noted

5 Work Item Management

Document: N4-010350

Title: Work Item Description for Release 5: "Feasibility study on SS7 signalling transportation in the core network with SCCP-User Adaptation (SUA)"

Source: Motorola

Presented: Mr. Michael Young, Motorola

Discussion:

- TR 29.cde Feasibility study on the usage of SUA
 - o Will be presented in CN#12 for information
 - o Primary working group: CN4
 - o Secondary WGs: CN1 (BSSAP+) and CN2 (CAP)
- Service aspects:
 - o Impacts at least the following services: CCBS, number portability
- Security aspects:
 - o Impacts on MAP application security need to be analysed.(usage of IPsec as an alternative
- Supporting companies: Motorola, Nortel
 - o There have to be 4 supporting companies in plenary. Otherwise workitem will be rejected

Decision: Revised to Tdoc N4-010424

Document: N4-010424

Title: Work Item Description for Release 5: "Feasibility study on SS7 signalling transportation in the core network with SCCP-User Adaptation (SUA)"

Source: Motorola

Presented:

Discussion:

Decision: Approved

6 Rel-4

6.1 Location Services

Document: N4-010334

Title: MS presence notification procedure

Source: NTC

Presented: Ms.Miyuki Soejima, NTC

Discussion:

- Will be forwarded to CN plenary even there are no response LS from SA2 available.

Decision: Agreed

Document: N4-010375

Title: Maximum numbers of LCS Clients

Source: NTC

Presented: Ms.Miyuki Soejima, NTC

Discussion:

- Nokia: What about if somebody wants to use those Extension containers in the future?
All are already used.

- o Vodafone agrees the Nokia comments. There should be free base for operator specific containers
- NTC: Maximum number by NTC calculation what could be used in extension list is 97.
 - o Chairman: Is it possible to get NTC calculation for available?
 - o Calculation is Tdoc N4-010462
- LS to SA1 N4-010483
 - o Document N4-010462 will be attached
- Max LCS clients = 97 (102) ACCORING TO WHITEBOOK sccp
- Guard Boundary max 50 (55) LCS Clients
- Based on SA1 discussions & memory capacity in Serving nodes boundary of 40 taken. (35 extended list clients)

Decision: CN4 decided: Maximum numbers of LCS Clients will be total 40. Agreed

Document: N4-010462
Title: Maximum numbers of LCS Clients
Source: NTC
Presented: Ms.Miyuki Soejima, NTC
Discussion:

- CN4 accept the calculation

Decision: Noted

Document: N4-010483
Title: LS to SA1 on Maximum number of LCS clients calculation
Source: NTC
Presented: Ms.Miyuki Soejima, NTC
Discussion:

Decision: Agreed

Document: N4-010338
Title: Clarification on the use of IMSI in ProvideSubscriberLocationArg
Source: Siemens
Presented: Mr. Peter Schmitt, Siemens
Discussion:

- Siemens presented the document for information

Decision: Postponed to next meeting.

6.2 Network Security

Document: N4-010330
Title: Positive authentication reporting (23.012)
Source: Vodafone
Presented: Mr. Ian Park, Vodafone
Discussion:

- Technical point of view CN4 is satisfied to CR if SA3 accept the security issue.
- Work item code should be SEC1-EHCS
- Withdrawn based on message from SA3 colleagues

Decision: Withdrawn

Document: N4-010331
Title: Positive authentication reporting (23.018)
Source: Vodafone
Presented: Mr. Ian Park, Vodafone
Discussion:

**3GPP TSG CN Plenary
Meeting #11, Palm Springs, U.S.A
14th - 16th March 2001**

Tdoc NP-010063

Decision: Revised to Tdoc N4-010463

Document: **N4-010463**
Title: Positive authentication reporting (23.018)
Source: Vodafone
Presented: Mr. Ian Park
Discussion:
- Withdrawn based on message from SA3 colleagues.

Decision: Withdrawn

Document: **N4-010332**
Title: Positive authentication reporting (29.002)
Source: Vodafone
Presented: Mr. Ian Park, Vodafone
Discussion:

Decision: Revised to Tdoc N4-010348

Document: **N4-010348**
Title: Positive authentication reporting (29.002)
Source: Vodafone
Presented: Mr. Ian Park, Vodafone
Discussion:
- Nokia: Does the GLR specification (23.119) needs to be updated?
- CN4 will provide the uncomplete CR packet about authentication failure report
 o 23.119 & 29.119 & 29.120 CRs will be provided in May meeting
-

Decision: Revised to Tdoc N4-010464

Document: **N4-010464**
Title: Positive authentication reporting (29.002)
Source: Vodafone
Presented: Mr. Ian Park, Vodafone
Discussion:
- Withdrawn based on message from SA3 colleagues.

Decision: Withdrawn

Document: **N4-010333**
Title: Requesting node type and address in authentication set request (29.002)
Source: Vodafone
Presented: Mr. Ian Park, Vodafone
Discussion:

Decision: Revised to Tdoc N4-010465

Document: **N4-010465**
Title: Requesting node type and address in authentication set request (29.002)
Source: Vodafone
Presented: Mr. Ian Park, Vodafone
Discussion:
- SA3 approved CR on 33.102.
- Requested Node Address deleted from requirements

Decision: Agreed

Document: **N4-010337**
Title: Security Header modification
Source: Siemens

Presented: Mr. Peter Schmitt, Siemens

Discussion:

- Others specification affected have to be added
- Cover page have to be changed

Decision: Revised to Tdoc N4-010466

Document: **N4-010466**

Title: Security Header modification

Source: Siemens

Presented: Mr. Peter Schmitt, Siemens

Discussion:

- Withdrawn based on message from SA3 colleagues.

Decision: Withdrawn

Document: **N4-010479**

Title: Additional parameters in Authenticaiton Failure Report

Source: Ericsson

Presented: Mr. Luis Lopes Soria, Ericsson

Discussion:

- Document presented for information
- Will be discussed in CN4#08

Decision: Noted

6.3 Bearer Independent Architecture

6.3.1 Stage 2

Document: **N4-010377**

Title: 23.205 Editor's version including agreed contributions in CN4 Ad Hoc

Source: Ericsson

Presented:

Discussion:

Decision: Noted

Document: **N4-010473**

Title: 23.205 Editor's version including agreed contributions in CN4 Ad Hoc

Source: Ericsson

Presented:

Discussion:

- CIC have to be checked.

Decision: Agreed

Document: **N4-010379**

Title: Modifications to TS 23.205 version 1.2.0

Source: Ericsson

Presented: Mr. Pekka Larmala, Ericsson

Discussion:

- Some editorials have to be made.

Decision: Agreed

Document: **N4-010380**

Title: Modification of section 8 (Handover)

Source: Ericsson

Presented: Mr. Pekka Larmala, Ericsson

Discussion:

Decision: Agreed

Document: **N4-010406, revised N4-010438, revised N4-010473**
Title: Editorial updates on 23.205v1.2.0 to be aligned with BICC CS2 last version issued in Gold Coast meeting
Source: Ericsson
Presented: Ms. Elena Garcia-Mendive, Ericsson
Discussion:

Decision: Agreed

Document: **N4-010407**
Title: Multiparty alternative
Source: Nortel Networks
Presented: Mr. Kevin Gorey, Nortel
Discussion:

- Lucent: is this introducing a second implementation of MultiParty??
- Chairman: Why does Nortel want to introduce this??
 - o Nortel: The new implementation is done using existing messaging with no impact.
- Ericsson: Why changing the normative part?
 - o Nortel: It's all informative.
- Lucent: There comes inconsistency between normative and informative sections.
 - o Nortel: No because it's all informative.
- Ericsson: Remove the examples since they could be vendor implementation specific.
 - o Lucent: If it does not matter the vendor implementation then remove it from standards.
- Chairman: Meeting feels that procedure described before the example should only be one.
- Lucent: If this new procedure brings saving in signalling and complexity then it should be estimated how much and if it's enough then the new procedure should just replace the old one, not be an option.
- Consensus that MGW must be able to respond to H.248 commands, so the server can implement the service as it wants. This means that the text from 13.7.2 to the example should be normative and example and charts are informative.
 - o Ericsson and Lucent: That this means two normative ways of implementing MultiParty. This is not acceptable. There should be only one clause for Multiparty and maybe more example of implementation in the informative section of the clause.
- Lucent: Current text does not prevent Nortel to implement multiparty with single context.
- For now the example can be added to Multiparty clause, and Nortel will propose generic text (if not generic enough) for clause 13.7.

Decision: Revised to Tdoc N4-010476

Document: **N4-010476**
Title: Multiparty alternative
Source: Nortel Networks
Presented: Mr. Kevin Gorey, Nortel
Discussion:

- Approved with some modification
- last sentence stay partly

Decision: Agreed

Document: **N4-010400**
Title: TS 23.205 v1.2.0, Corrections
Source: Nortel Networks
Presented: Mr. Kevin Gorey, Nortel

Discussion:

- Ericsson: the prepare bearer procedure has two optional parameter that should be mandatory if non tunnelling is used. These parameters should then be conditional. The MGW might always decide not to use tunnelling ; the MSC Server knows only if tunnelling might be used by the MGW, so parameters should be Mandatory.
- Decision: These parameter must be mandatory

Decision: Agreed

Document: N4-010402

Title: TS 23.205v1.2.0, (G)MSC Gateway Tandeming

Source: Nortel Networks

Presented: Mr. Kevin Gorey, Nortel

Discussion:

- Vodafone: Replace Gateway Tandeming with Media Gateway.
 - o Comment accepted
- Ericsson: When is the ACM sent? It should be decided by MSC Server A. Some changes to introductory text of figure 18.2: "...In the example, after the signalling towards MSC server A and then bearer towards the MGW B is established, MSC server A requests"
 - o Text change accepted

Decision: Agreed

Document: N4-010471

Title: Editorial corrections to TS 23.205

Source: Vodafone

Presented: Mr. Ian Park, Vodafone

Discussion:

- Approved with editorial enhancements

Decision: Agreed

6.3.2 Stage 3 Nc-interface

Document: N4-010378

Title: 29.205 Editor's version including agreed contributions in CN4 Ad Hoc

Source: Rapporteur

Presented:

Discussion:

Decision: Noted

Document: N4-010387

Title: Updates of TS 29.205 version 0.20

Source: Ericsson

Presented: Al Heidermark, Ericsson

Discussion:

Decision: Agreed

6.3.3 Stage 3 Mc-interface

Document: N4-010416

Title: Editorial updates on 29.232

Source: Vodafone

Presented: Mr. Ian Park, Vodafone

Discussion:

- Reference 21 will be removed

Decision: Noted

Document: N4-010401
Title: TS 29.232v1.2.0, Mc interface clarifications/improvements
Source: Nortel Networks
Presented: Mr. Kevin Gorey, Nortel Networks
Discussion:

- Proposed changes in section 11 didn't accept
- Changes in section 15.1.2.1 not accepted
- Changes in section 15.1.2.5 rejected
- In CN plenary 11: There should be a general discussion if both text encoding and binary encoding should be used.
- Ericsson, Siemens, Lucent, Vodafone: Only one encoding should be used.
 - o Ericsson, Siemens, Lucent: support for binary coding
 - o Vodafone: Binary or Text coding, but not both.
- Nortel: Both encoding should be used.
- Chairman proposed: TS 20.232 v.2.0.0 will go to CN#11 without text encoding
 - o Nortel can't accept any version to CN plenary without text encoding
- Chairman: Only possibility for CN4 is postponed TS 29.232 to May meeting. Chairman will inform CN plenary that bearer independent architecture is almost ready. Only discussing binary encoding versus text encoding have to be solved.
- The sentence will be added to 15.3.1 TFO Package
 - o Note1: The addition of text encoding for the TFO codec list is further study.
- Chairman will insert the supposed text from 15.3.1 CN4 satusstatus report: IE
 - o Ericsson wanted to add it in the specification.
- During the discussion of the N4-010401 also N4-010383 was discussed. This contribution argued that the text encoding option is not complete, due to weakness in SDP. It is not possible to address an TDM termination in SDP, since the C line can only define IP and ATM terminations. By this limitation it is not possible to carry out the Reserve circuit procedure, which is used for calls to GSM.
- Ericsson wanted that the same for further study marking should be included for the reserve circuit procedure as for the TFO package. Nortel meant that this problem was outside the scope of 3 GPP The chairmen proposed that this further study should only be in the meeting report. However both items shall be included in his status report to the CN plenary.
- Ericsson had a reservation and still thought that the further study note shall be in the TS 29232. However, Ericsson still accepted the proposal.
- The reserve circuit procedure is for further study for the text encoding option since it can not be used to control a TDM termination.

Decision: Only capitalisation approved. N4-010383 was withdrawn after N4-010401 presentation

Document: N4-010383
Title: Updates of TS 29.232 version 1.2.0
Source: Ericsson
Presented:
Discussion:

Decision: Withdrawn, since already discussed earlier.

Document: N4-010384
Title: Updates of TS 29.232 version 1.2.0
Source: Ericsson
Presented:
Discussion: Mr. Patrice Hede

Decision: Agreed

Document: N4-010384 revised to N4-010472
Title: Corrections to Modify Bearer Procedure (29.232 V 1.2.0)
Source: Ericsson
Presented:

Discussion: Mr. Alf Heidermark

Decision: Agreed

6.4 Supplementary Services

6.4.1 Call Waiting

Document: N4-010358
Title: Enhancement of CW procedures
Source: Vodafone
Presented: Mr. Ian Park, Vodafone
Discussion:

-

Decision: Agreed

Document: N4-010357
Title: Removal of CW descriptions
Source: Vodafone
Presented: Mr. Ian Park, Vodafone
Discussion:

- Figure 31 was deleted.
- Renumbering of figures have to be made by MCC

Decision: Agreed

6.4.2 MPTY and ECT

Document: N4-010355
Title: Incorporation of MPTY and ECT into the Subs_FSM process.
Source: Vodafone
Presented: Mr. Ian Park, Vodafone
Discussion:

Decision: Agreed

6.4.3 Call hold

Document: N4-010356
Title: Enhancement of procedures for Call Hold
Source: Vodafone
Presented: Mr. Ian Park, Vodafone
Discussion:

Decision: Revised to tdoc N4-010426

Document: N4-010426
Title: Enhancement of procedures for Call Hold
Source: Vodafone
Presented: Mr. Ian Park, Vodafone
Discussion:

Decision: Agreed

6.5 IP Signalling

Document: N4-010415
Title: Editorial updates on 29.202

Source: Ericsson
Presented: Mr. Pompeo Santoro, Ericsson
Discussion:

- Same document was presented in Madrid ad hoc meeting
- URL links are removed

Decision: Revised to Tdoc N4-010425

Document: **N4-010425**
Title: Editorial updates on 29.202
Source: Ericsson
Presented:
Discussion:

- CN4 will ask the CN plenary approve the document for version TS 29.202 version 2.0.0.

Decision: Approve

7 Release 5

7.1 HSS-CSCF i/f

Document: **N4-010423**
Title: Proposed Reply LS on the Work Item "Cx Interface specification"
Source: S2
Presented: Mr. Miguel Pallares, Ericsson
Discussion:

- All stage 2 material should be keep in SA2? CN4 should concentrate only to stage 3 issues?
 - o Vodafone: CN4 should look carefully 23.228 and make decisions.
- CN4 will be handled stage 2 and stage 3 activities.
 - o CN4 will work on the detailed protocol specific information flows.
 - o CN4 will also work with detailed specific aspects.
- Stage 2 document will be 23.cde series
- Stage 3 document will be 29.cde series
- No LS to SA2 is needed

Decision: Noted

Document: **N4-010363**
Title: Cx interface protocol selection
Source: Siemens
Presented: Mr. Balazs Czoma, Siemens
Discussion:

-

Decision: Noted

Document: **N4-010373**
Title: Capability negotiation in DIAMETER
Source: Ericsson
Presented: Mr. Miguel Pallares, Ericsson
Discussion:

-

Decision: Noted

Documents N4-010363 and N4-010373 were discussed together. Following conclusions were made:

- 3 Functional Grouping identified (i.e. Location Management, User Authentication, Subscriber Data Management Handling).

- **Working assumption:** DIAMETER selected as protocol for all three functional grouping, i.e. protocol selections stays until proven that it does not address the protocol requirements.
- **Agreement:** Only one protocol will be used for each functional grouping
- CN4 decided that the specification of DIAMETER will be done as much possible within IETF. If there are specific 3GPP extensions then this needs to be done in CN4

8 Release 99

Teemu Mäkinen was chairman in R99 issues.

8.1 Camel Phase 3

Document: N4-010360
Title: Adding EXPORT definition for LSAIdentity
Source: CN2/Ericsson
Presented: Ms. Elena Garcia-Mendive
Discussion:
- Cover page modifications was made

Decision: Agreed

Document: N4-010361
Title: Removing duplicate parameters from SS-CSI
Source: CN2/Ericsson
Presented: Ms. Elena Garcia-Mendive
Discussion:
- Cover page modifications was made

Decision: Agreed

Document: N4-010362
Title: Correction to description of SS-CSI in HLR to VLR information flow
Source: CN2/Ericsson
Presented: Ms. Elena Garcia-Mendive
Discussion:
- Cover page modifications was made

Decision: Agreed

Documents (360-362) will be presented in the same package with R99 CRs in CN#11.

Document: N4-010427
Title: Adding EXPORT definition for GeographicalInformation
Source: CN2/Nokia
Presented: Mr. Jari Jansson
Discussion:

Decision: Agreed. Also mirror CR (N4-010428) was agreed.

Document: N4-010469
Title: Correction to D-CSI (R99)
Source: CN2/Alcatel
Presented: Mr. Diemo Bruch
Discussion:

- Editorial modification

Decision: Revised to Tdoc N4-010484

Document: **N4-010470**
Title: Correction to D-CSI (Rel-4)
Source: CN2/Alcatel
Presented: Mr. Diemo Bruch
Discussion:

- Editorial modification

Decision: Revised to Tdoc N4-010485

Document: **N4-010484**
Title: Correction to D-CSI (R99)
Source: CN2/Alcatel
Presented: Mr. Diemo Bruch
Discussion:

Decision: Agreed

Document: **N4-010485**
Title: Correction to D-CSI (Rel-4)
Source: CN2/Alcatel
Presented: Mr. Diemo Bruch
Discussion:

Decision: Agreed

8.2 Security

Document: **N4-010340**
Title: Addition of selected UMTS algorithm indication to the handover procedures
Source: Nokia
Presented: Mr. Jari Jansson, Nokia
Discussion:

- ASN1. Needs to be changed.
 - o Modifications have to be made also in mirror CR N4-010342

Decision: Revised to Tdoc N4-010429

Document: **N4-010429**
Title: Addition of selected UMTS algorithm indication to the handover procedures
Source: Nokia
Presented: Mr. Jari Jansson, Nokia
Discussion:

- Category F: Approved by consensus

Decision: Agreed

Document: **N4-010341**
Title: Addition of allowed GSM algorithms indication to the handover procedures
Source: Nokia
Presented: Mr. Jari Jansson, Nokia
Discussion:

- Reference have to be changed
- Category F: Essential correction

Decision: Revised to Tdoc N4-010434

Document: **N4-010434**

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Tdoc NP-010063

Title: Addition of allowed GSM algorithms indication to the handover procedures
Source: Nokia
Presented:
Discussion:

- Category F: Essential correction

Decision: Agreed

Document: **N4-010342**
Title: Addition of selected UMTS algorithm indication to the handover procedures
Source: Nokia
Presented: Mr. Jari Jansson, Nokia
Discussion:

- ASN1. Needs to be changed.

Decision: Revised to Tdoc N4-010430

Document: **N4-010430**
Title: Addition of selected UMTS algorithm indication to the handover procedures
Source: Nokia
Presented: Mr. Jari Jansson, Nokia
Discussion:

Decision: Agreed

Document: **N4-010343**
Title: Addition of allowed GSM algorithms indication to the handover procedures
Source: Nokia
Presented: Mr. Jari Jansson, Nokia
Discussion:

- Reference to [49a] shall be replaced by [49]. Reference to 08.08 shall be replaced to 48.008

Decision: Revised to Tdoc N4-010431

Document: **N4-010431**
Title: Addition of allowed GSM algorithms indication to the handover procedures
Source: Nokia
Presented: Mr. Jari Jansson, Nokia
Discussion:

Decision: Agreed

Document: **N4-010344**
Title: Addition of allowed UMTS algorithms indication to the handover procedures
Source: Nokia
Presented: Mr. Jari Jansson, Nokia
Discussion:

- Revised to Tdoc N4-010432
- ASN.1 table have to be updated
- Category F: Essential correction

Decision: Revised to Tdoc N4-010432

Document: **N4-010432**
Title: Addition of allowed UMTS algorithms indication to the handover procedures
Source: Nokia
Presented: Mr. Jari Jansson, Nokia
Discussion:

- Category F: Essential correction

Decision: Agreed

Document: N4-010345

Title: Addition of selected UMTS algorithm indication to the handover procedures

Source: Nokia

Presented: Mr. Jari Jansson, Nokia

Discussion:

- section 7.6 shall be changed "Coding of this parameter is defined in 08.08"

Decision: Revised to Tdoc N4-010435

Document: N4-010435

Title: Addition of selected UMTS algorithm indication to the handover procedures

Source: Nokia

Presented: Mr. Jari Jansson, Nokia

Discussion:

Decision: Agreed

Document: N4-010346

Title: Addition of selected UMTS algorithm indication to the handover procedures

Source: Nokia

Presented: Mr. Jari Jansson, Nokia

Discussion:

- ASN.1 needs to be changed

Decision: Revised to Tdoc N4-010433

Document: N4-010433

Title: Addition of selected UMTS algorithm indication to the handover procedures

Source: Nokia

Presented: Mr. Jari Jansson, Nokia

Discussion:

Decision: Agreed

Document: N4-010347

Title: Addition of selected UMTS algorithm indication to the handover procedures

Source: Nokia

Presented: Mr. Jari Jansson, Nokia

Discussion:

- 08.08 references needs to be 48.008

Decision: Revised to Tdoc N4-010436

Document: N4-010436

Title: Addition of selected UMTS algorithm indication to the handover procedures

Source: Nokia

Presented: Mr. Jari Jansson, Nokia

Discussion:

Decision: Agreed

8.3 GPRS

Document: N4-010339

Title: Adding Up-link TEID Data I and user plane GGSN address to PDP Context IE

Source: Nokia

Presented: Mr. Georgi Gulbani, Nokia

Discussion:

Decision: Revised to Tdoc N4-010452

Document: **N4-010452**
Title: Adding Up-link TEID Data I and user plane GGSN address to PDP Context IE
Source: Nokia
Presented: Mr. Georgi Gulbani, Nokia
Discussion:

- Category F: Essential correction

Decision: Agreed

Document: **N4-010351**
Title: Clarifications to the GTP-U protocol
Source: Motorola
Presented: Mr. Michael Young, Motorola
Discussion:

Decision: Withdrawn

Document: **N4-010391**
Title: Clarification on the use of the term G-PDU
Source: Ericsson
Presented: Mr. Einar Oltedal, Ericsson
Discussion:

Decision: Withdrawn

Document: **N4-010451**
Title: Clarification on the use of the term G-PDU
Source: Ericsson
Presented: Mr. Einar Oltedal, Ericsson
Discussion:

- Definitions for signalling message is revised
- Note will be deleted after table 1.

Decision: Revised to Tdoc N4-010455

Document: **N4-010455**
Title: Clarification on the use of the term G-PDU
Source: Ericsson
Presented:
Discussion:

Category F: Agreed by consensus

Decision: Agreed without presentation

Document: **N4-010359**
Title: Fix an ambiguous description on the treatment for the PDP Type PPP in PDP context creation procedure
Source: NEC
Presented: Mr. Toshiyuki Tamura, NEC
Discussion:

- R97 & R98 CDs aren't needed
- Revision is needed

Decision: Revised to Tdoc N4-010453

Document: **N4-010453**
Title: Fix an ambiguous description on the treatment for the PDP Type PPP in PDP context creation procedure
Source: NEC

Presented:

Discussion:

- Category F: Agreed by consensus

Decision: Agreed without presentation

Document: **N4-010372**

Title: Forbidden APN network identifier labels

Source: Ericsson

Presented: Mr. Miguel Parrales, Ericsson

Discussion:

Decision: Agreed

Document: **N4-010374**

Title: Clarification on the TEID value of the signalling messages

Source: Fujitsu

Presented: Mr. Shinichiro Aikawa

Discussion:

- Category F: Agreed by consensus
- Title have to be changed

Decision: Revised to Tdoc N4-010456

Document: **N4-010456**

Title: Clarification on the TEID value of the signalling messages

Source: Fujitsu

Presented: Mr. Shinichiro Aikawa

Discussion:

- Category F: Agreed by consensus

Decision: Agreed

Document: **N4-010388**

Title: GSN Address in Error Indication

Source: Ericsson

Presented: Mr. Einar Oltedal, Ericsson

Discussion:

- Category F: Agreed by consensus
- There should be both: 7.7.32 and 7.7.39 in table 13
- Chapter 7.7.32 has to be also changed so that RNC address can be in GSN Address.
- Offline discussion is needed

Decision: Revised to Tdoc N4-010457

Document: **N4-010457**

Title: GSN Address in Error Indication

Source: Ericsson

Presented: Mr. Einar Oltedal, Ericsson

Discussion:

- Category F: Agreed by consensus
- In chapter 7.3.7 the last sentence will be replaced the sentence described in chapter 7.3.39.

Decision: Revised to Tdoc N4-010458

Document: **N4-010458**

Title: GSN Address in Error Indication

Source: Ericsson

Presented:

Discussion:

- Category F: Agreed by consensus

Decision: Agreed without presentation

Document: **N4-010389**

Title: Clarifications on the mapping of cause codes towards 24.008

Source: Ericsson

Presented: Mr. Einar Oltedal, Ericsson

Discussion:

- Category F: Agreed by consensus
- Companies agreed the changes are necessary
- NEC objected this change for R99 already in Beijing.
 - o Vodafone: If we don't agree this for R99. There are no point to agree this for Rel-4.
- Vodafone proposed that CN4 would accept the CR for R99 except cause code 38.
 - o NEC: This needs more investigations.
- CR will be postponed for next meeting
- Email discussion will be needed before next meeting

Decision: Postponed to next meeting

Document: **N4-010404**

Title: Clarification on the handling of sequence numbers in the GTP user plane

Source: Lucent

Presented: Mr. Alessio Casati, Lucent

Discussion:

- Category F: Agreed by consensus

Decision: Agreed

Document: **N4-010405**

Title: Clarification on the handling of sequence numbers in the GTP user plane

Source: Lucent

Presented: Mr. Alessio Casati, Lucent

Discussion:

- Category F: Agreed by consensus

Decision: Agreed

Document: **N4-010398**

Title: Clarification of Error Indication

Source: Ericsson

Presented: Mr. Einar Oltedal, Ericsson

Discussion:

- SA2 approved CR (N4-010359) was presented for information
- Category F: Agreed by consensus
- SGSN behaviour needs to be described as a reference to 23.060
 - o "The behaviour of an SGSN when it receives an Error Indication from an RNC is specified as described in TS 23.060.
 - o The behaviour of an RNC when it receives an Error Indication from an SGSN is specified as described in TS 23.060.

Decision: Revised to Tdoc N4-010460

Document: **N4-010460**

Title: Clarification of Error Indication

Source: Ericsson

Presented:

Discussion:

- Category F: Agreed by consensus

Decision: Agreed without presentation

Document: **N4-010412**

Title: Cause in Relocation Cancel Request

Source: Motorola

Presented: Mr. Michael Young, Motorola

Discussion:

- Why the behaviour of target RNC is totally different?
- Lucent, Ericsson are against to approve this for R99
- Siemens: Link CR is needed for Rel-4 specification by R3
- New CR will be submitted without cause value
- NTC is worried if there are some impacts for stage 2 specification (23.060).

Decision: Rejected

Document: **N4-010454**

Title: Clarifications on the GTP message treatment

Source: Motorola

Presented: Mr. Michael Young, Motorola

Discussion:

- Lucent: These CRs aren't needed. Some clarification might be useful. Lucent and Motorola handled this by offline discussion.

Decision: Revised to Tdoc N4-010461

Document: **N4-010461**

Title: Clarifications on the GTP message treatment

Source: Motorola

Presented: Mr. Michael Young, Motorola

Discussion:

Decision: Withdrawn

Document: **N4-010474**

Title: CR 29.060 on Modification of inter-SGSN Relocation Cancel

Source: Motorola

Presented: Mr. Michael Young, Motorola

Discussion:

Decision: Postponed. N4-010475 also postponed

8.4 Handover

Document: **N4-010367**

Title: Inter MSC relocation: addition of MAP parameter Target RNC ID

Source: Siemens

Presented: Mr. Peter Schmitt, Siemens

Discussion:

- Category F: Agreed by consensus

Decision: Agreed

Document: **N4-010366**

Title: GSM to UMTS handover: addition of MAP parameter Target RNC ID

Source: Siemens

Presented: Mr. Peter Schmitt, Siemens

Discussion:

- Category F: Agreed by consensus

Decision: Agreed

Document: N4-010364
Title: GSM to UMTS handover: addition of MAP parameter Target RNC ID
Source: Siemens
Presented: Mr. Peter Schmitt, Siemens
Discussion:

- Category F: Agreed by consensus

Decision: Agreed. Also Mirror CR (N4-010365) for Rel-4 was agreed.

Document: N4-010396
Title: Addition of GSM channel type and GSM chosen channel indications to handover procedures
Source: Nokia
Presented: Mr. Jari Jansson, Nokia
Discussion:

- Category F: Essential correction
- Ericsson: 29.010 has to be checked if it's affected.
 - o 29.010 needs also correction
- Ericsson&Siemens: What is the network access protocol after UMTS-UMTS reallocation and further intra MSC handover from UMTS to GSM?
- Siemens: Also stage 2 have to be checked (23.009).
 - o No need for CR 23.009
- Ericsson: This needs further investigation.
-

Decision: Withdrawn. Also N4-010397

Document: N4-010403
Title: Alignment of cause mapping for 08.08 and 25.413 (Directed Retry)
Source: Nortel Networks
Presented: Mr. Kevin Gorey, Nortel Networks
Discussion:

- Category F: Agreed by consensus
- Some cover sheet modifications have been made

Decision: Agreed

Document: N4-010437
Title: UMTS to GSM Directed Retry cause code mapping
Source: Ericsson
Presented: Mr. Pompeo Santoro
Discussion:

- Category F: Agreed by consensus

Decision: Agreed

8.5 Multicall

Document: N4-010392
Title: Clarification of the use of multicall bearer information
Source: Nokia
Presented: Mr. Jari Jansson, Nokia
Discussion:

- Category F: Essential correction

Decision: Agreed. Also mirror CR (N4-010393) was approved

Document: N4-010394
Title: Addition of radio resource list to the handover procedures
Source: Nokia

Presented: Mr. Jari Jansson, Nokia

Discussion:

- Category F: Essential correction
- Siemens: CR is maybe not needed at all.
- Further investigation is needed

Decision: Withdrawn. Also N4-010395 withdrawn.

8.6 LCS

Document: N4-010413

Title: Paging not via the SGSN correction

Source: Vodafone

Presented: Mr. Ian Park, Vodafone

Discussion:

- Category F: agreed by consensus

Decision: Agreed. Also mirror CR (N4-010414) was agreed

9 GSM Maintenance

Teemu Mäkinen was chairman in GSM Maintenance issues.

9.1 GPRS

Document: N4-010326

Title: LS on Problem with GPRS and Roaming (N4-010214)

Source: S2

Presented: Mr. Francois Dronne, France Telecom

Discussion:

Decision: Noted

Document: N4-010327

Title: Mapping of unknown HLR error to access interface cause code.

Source: Vodafone

Presented: Mr. Ian Park, Vodafone

Discussion:

- Category F: Essential correction

Decision: Agreed. Mirror CRs N4-010328 & N4-010329 also agreed

Document: N4-010369

Title: Mapping of unknown HLR error to access interface cause code.

Source: Siemens

Presented: Mr. Peter Schmitt, Siemens

Discussion:

- Category F: Essential correction

Decision: Agreed. Mirror CRs N4-010370 & N4-010371 also agreed

Document: N4-010408

Title: Failure of Authentication Parameter GPRS when HLR is not reachable

Source: France Telecom

Presented: Mr. Francois Dronne, France Telecom

Discussion:

Decision: Noted

Document: N4-010411
Title: Failure of Authentication Parameter GPRS when HLR is not reachable
Source: France Telecom
Presented: Mr. Francois Dronne, France Telecom
Discussion:

- CR endorsed by CN4. CR will be sent to S2 with LS N4-010439 (Ian Park)
- Mirror CRs for R98 & R99 will be submitted

Decision: Revised to Tdoc N4-010440 (R97)
R98 CR will be N4-010441
R99 CR will be N4-010442

Document: N4-010439
Title: LS on handling of an error case for authentication set retrieval
Source: CN4
Presented: Mr. Ian Park, Vodafone
Discussion:

Decision:

Document: N4-010440
Title: Failure of Authentication Parameter GPRS when HLR is not reachable (R97)
Source: France Telecom
Presented:
Discussion:

Decision: Endorsed by TSG_CN_WG4

Document: N4-010441
Title: Failure of Authentication Parameter GPRS when HLR is not reachable (R98)
Source: France Telecom
Presented:
Discussion:

Decision: Endorsed by TSG_CN_WG4

Document: N4-010442
Title: Failure of Authentication Parameter GPRS when HLR is not reachable (R98)
Source: France Telecom
Presented:
Discussion:

Decision: Endorsed by TSG_CN_WG4

Document: N4-010409
Title: Failure of Authentication Parameter GPRS when HLR is not reachable
Source: France Telecom
Presented: Mr. Francois Dronne, France Telecom
Discussion:

- Modifications were made in the text.

Decision: Revised to Tdoc N4-010443
R98 CR will be N4-010444
R99 CR will be N4-010445
Rel-4 CR will be N4-01046

Document: N4-010443
Title: Failure of Authentication Parameter GPRS when HLR is not reachable
Source: France Telecom
Presented:

Discussion:

- Modifications were made in the text.

Decision:

Agreed
R98 CR N4-010444 agreed
R99 CR N4-010445 agreed
Rel-4 CR N4-01046 agreed

Document:

N4-010354

Title:

Clarification on IMSI Encoding

Source:

Motorola

Presented:

Mr. Michael Young

Discussion:

- Category F: Agreed by consensus
- Textual modifications were made
- Note was removed

Decision:

Revised to Tdoc N4-010447, R98 (N4-010353) revised to Tdoc 448, R99 (N4-010352) revised to Tdoc 449

Document:

N4-010447

Title:

Clarification on IMSI Encoding

Source:

Motorola

Presented:

Discussion:

- Category F: Agreed by consensus

Decision:

Agreed. Mirror CR N4-010448 & N4-010499 also agreed.

Document:

N4-010368

Title:

Re-configure the IEs in the PDU Notification Request and in Create PDP Context Request to make it in ascending order

Source:

Siemens

Presented:

Mr. Peter Schmitt, Siemens

Discussion:

- Category F: Agreed by consensus
- No changes in section 7.3.8. Changes will be removed.

Decision:

Revised to Tdoc N4-010450.

Document:

N4-010450

Title:

Re-configure the IEs in the PDU Notification Request and in Create PDP Context Request to make it in ascending order

Source:

Siemens

Presented:

Discussion:

- Category F: Agreed by consensus

Decision:

Agreed

10AOB

10.1 3GPP Work Plan

Document:

N4-010349

Title:

3GPP Work plan

Source:

MCC

Presented:
Discussion:

Decision: Revised to Tdoc N4-010487

Document: N4-010487
Title: 3GPP Work plan
Source: MCC
Presented: Mr. Yun-Chao Hu, Chairman
Discussion:

- Changes were agreed.
- MCC secretary will make the corrections to workplan.

Decision: Agreed

11 Future Meetings

The following meeting schedule contains modifications regarding the hosts and dates.

3GPP N4 Meeting	Date	Place	Host
N4 Release 4 Ad Hoc (if needed)	18-20 April 2001	???	???
N4#08 Joint Meeting CN3/CN4 Chairman Election Vice Chairman Election	14-18 May 2001 T.B.A. 15 May 2001 17 May 2001	Puerto Rico, USA	The North American Friends of 3GPP
N4#09	09-13 July 2001	Dresden, Germany	Mannesmann
N4#10	15-19 October 2001	Brighton, UK	Vodafone, BT
N4#11	26-30 November 2001	USA	The North American Friends of 3GPP

Please note that due to the workload additional Ad Hoc Meetings can be planned on a short notice.

12 Output of CN4# Ad Hoc Meeting

12.1 Change Requests

TDoc #	spec	Rel	CR #	R	cat	versi	Title	Source	WI
N4-010327	09.10	R97	A011		F	6.1.0	Mapping of unknown HLR error to access interface cause code.	Vodafone	GPRS
N4-010328	09.10	R98	A012		A	7.1.0	Mapping of unknown HLR error to access interface cause code.	Vodafone	GPRS
N4-010329	29.010	R99	011		A	3.4.0	Mapping of unknown HLR error to access interface cause code.	Vodafone	GPRS
N4-010334	29.002	Rel4	233	2	B	4.2.1	MS presence notification procedure	NTC	LCS
N4-010355	23.018	R4	065	1	C	4.1.0	Incorporation of MPTY and ECT into the Subs_FSM process.	Vodafone	TEI

TDoc #	spec	Rel	CR #	R	cat	versi	Title	Source	WI
N4-010357	23.018	R4	067		C	4.1.0	Removal of CW descriptions	Vodafone	TEI
N4-010358	23.083	R4	007		C	4.0.0	Enhancement of CW procedures	Vodafone	TEI
N4-010360	29.002	Rel-4	246		A	4.2.1	Adding EXPORT definition for LSIdentity	Ericsson	Camel 3
N4-010361	29.002	Rel-4	247		A	4.2.1	Removing duplicate parameters from SS-CSI	Ericsson	Camel 3
N4-010362	29.002	Rel-4	248		A	4.2.1	Correction to description of SS-CSI in HLR to VLR information flow	Ericsson	Camel 3
N4-010364	29.002	R99	249		F	3.7.2	TS 29.002: GSM to UMTS handover: addition of MAP parameter Target RNC ID GSM to UMTS handover: addition of MAP parameter Target RNC ID	Siemens	Handover
N4-010365	29.002	REL-4	250		F	4.2.1	TS 29.002 GSM to UMTS handover: addition of MAP parameter Target RNC ID	Siemens	Handover
N4-010366	29.010	R99	012		F	3.4.0	TS 29.010 GSM to UMTS handover: addition of MAP parameter Target RNC ID	Siemens	Handover
N4-010367	29.010	R99	013		F	3.4.0	TS 29.010 Inter MSC relocation: addition of MAP parameter Target RNC ID	Siemens	Handover
N4-010369	09.10	R97	A013		F	6.1.0	Roaming restrictions for GPRS service	Siemens	GPRS
N4-010370	09.10	R98	A014		A	7.1.0	Roaming restrictions for GPRS service	Siemens	GPRS
N4-010371	29.010	R99	014		A	3.4.0	Roaming restrictions for GPRS service	Siemens	GPRS
N4-010372	23.003	99	026	-	F	3.7.0	Forbidden APN network identifier labels	Ericsson	GPRS
N4-010375	29.002	4	232	1	B	4.2.1	Maximum numbers of LCS Clients	NTC	LCS
N4-010392	29.002	R99	251		F	3.7.1	Clarification of the use of multicall bearer information	Nokia	Multicall
N4-010393	29.002	Rel-4	252		A	4.2.1	Clarification of the use of multicall bearer information	Nokia	Multicall
N4-010403	29.010		015		C	3.4.0	Alignment of cause mapping for 08.08 and 25.413 (Directed Retry)	Nortel Networks	TEI
N4-010404	29.060	R99	187		F	3.7.0	Clarification on the handling of sequence numbers in the GTP user plane	Lucent technologies	GTP enhancements
N4-010405	29.060	R99	188		F	3.7.0	Clarifications and clean up of the error handling section	Lucent technologies	GTP enhancements
N4-010413	23.018	R99	068		F	3.6.0	Paging not via the SGSN correction	Vodafone	LCS
N4-010414	23.018	Rel4	069		A	4.1.0	Paging not via the SGSN correction	Vodafone	LCS
N4-010426	23.083	Rel-4	006	1	C	4.0.0	Enhancement of procedures for Call Hold	Vodafone	TEI
N4-010427	29.002	R99	257		F	3.7.1	Adding EXPORT definition for GeographicalInformation	CN2/Nokia	LCS
N4-010428	29.002	Rel-4	258		A	4.2.2	Adding EXPORT definition for GeographicalInformation	CN2/Nokia	LCS
N4-010429	29.002	R99	225	1	F	3.7.1	Addition of selected UMTS algorithm indication to the handover procedures	Nokia	Security
N4-010430	29.002	Rel-4	238	1	A	4.2.1	Addition of selected UMTS algorithm indication to the handover procedures	Nokia	Security

TDoc #	spec	Rel	CR #	R	cat	versi	Title	Source	WI
N4-010431	29.002	Rel-4	241	1	A	4.2.1	Addition of allowed GSM algorithms indication to the handover procedures	Nokia	Security
N4-010432	29.002	R99	242	1	F	3.7.1	Addition of allowed UMTS algorithms indication to the handover procedures	Nokia	Security
N4-010433	29.002	Rel-4	244	1	A	4.2.1	Addition of allowed UMTS algorithms indication to the handover procedures	Nokia	Security
N4-010434	29.002	R99	226	2	F	3.7.1	Addition of allowed GSM algorithms indication to the handover procedures	Nokia	Security
N4-010435	29.002	R99	243	1	F	3.7.1	Addition of selected GSM algorithm indication to the handover procedures	Nokia	Security
N4-010436	29.002	Rel-4	245	1	A	4.2.1	Addition of selected GSM algorithm indication to the handover procedures	Nokia	Security
N4-010437	29.010	R99	016		C	3.4.0	UMTS to GSM Directed Retry cause code mapping	Ericsson	TEI
N4-010443	09.02	R97				v6.10.0	Failure of Authentication Parameter GPRS when HLR is not reachable	France Télécom	GPRS R97
N4-010444	09.02	R98				V7.10.0	Failure of Authentication Parameter GPRS when HLR is not reachable	France Télécom	GPRS R97
N4-010445	29.002	R99				V3.7.1	Failure of Authentication Parameter GPRS when HLR is not reachable	France Télécom	GPRS R97
N4-010446	29.002	Rel-4				V4.2.2	Failure of Authentication Parameter GPRS when HLR is not reachable	France Télécom	GPRS R97
N4-010447	09.60	R97	A101	2	F	6.7.0	Clarification on IMSI Encoding	Motorola	GTP enhancements
N4-010448	09.60	R98	A100	2	F	7.7.0	Clarification on IMSI Encoding	Motorola	GTP enhancements
N4-010449	29.060	R99	180	2	F	3.7.0	Clarification on IMSI Encoding	Motorola	GTP enhancements
N4-010450	09.60	R98	A102	1	F	7.5.0	Re-configure the Ies in the PDU Notification Request and in Create PDP Context Request to make it in ascending order	Siemens	GPRS
N4-010452	29.060	R99	155	4	F	3.7.0	Adding Up-link TEID Data I and user plane GGSN address to PDP Context IE	Nokia	GTP
N4-010453	29.060	R99	181	1	F	3.7.0	Fix an ambiguous description on the treatment for the PDP Type PPP in PDP context creation procedure	NEC	GPRS
N4-010455	29.060	R99	191		F	3.7.0	Clarification on the use of the term G-PDU	Ericsson/ Motorola/ Nokia	GTP Enhancements
N4-010456	23.060	R99	170	2	F	3.7.0	Clarification on the TEID value of the signalling messages	Fujitsu	GTP enhancements
N4-010458	29.060	R99	182	2	F	3.7.0	GSN Address in Error Indication	Ericsson	GSM Maint GPRS
N4-010460	29.060		186		F	3.7.0	Clarification of Error Indication	Ericsson	GSM Maint GPRS
N4-010465	29.002	Rel-4	236			4.2.1	Requesting node type and address in authentication set request	Vodafone	Enhanced HE control of security
N4-010484	29.002	R99	261	1	F		Correction to D-CSI	CN2/Alcatel	Camel Phase 3
N4-010485	29.002	Rel-4	262	1	A		Correction to D-CSI	CN2/Alcatel	Camel Phase 3

12.2 Liaison Statements

The following Liaison Statements were agreed to be sent by N4 #06_ Ad Hoc meeting:

TDOC N4-00xxxx	Subject	To	Cc	Attachment	Sent
N4-010439	LS on handling of an error case for authentication set retrieval	S2		N4-010440, N4-010441, N4-010442	27 th Feb
N4-010483	LS on Maximum number of LCS Clients in LCS Rel-4	S1		N4-010462	05 th Mar

12.3 TS/TRs

Tdoc #	Tdoc Title
N4-010481	TS 23.205 Version 2.0.0
N4-010486	TS 29.205 Version 2.0.0
N4-010480	TS 29.232 Version 2.0.0
N4-010425	TS 29.202 Version 2.0.0

12.4 WIs

Tdoc #	Tdoc Title
N4-010376	Work item Description for Bearer Independent Circuit-Switched Core network
N4-010424	Work Item Description for Release 5: "Feasibility study on SS7 signalling transportation in the core network with SCCP-User Adaptation (SUA)"
N4-010487	Updated 3GPP work plan by CN4

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Member of 3GPP (TTC)

**3GPP TSG CN Plenary
Meeting #11, Palm Springs, U.S.A
14th - 16th March 2001**

Mr. Shinichiro Aikawa	Fujitsu Limited
Mr. Kazuo Mitamura	NTT COMWARE Corp.
Ms. Miyuki Soejima	Nippon Telecommunications
Mr. Toshiyuki Tamura	NEC Corporation

Organisation partner representative (ETSI)

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Tdoc NP-010063

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Annex B: List of Temporary Documents

Tdoc n° 3GPP	List of Temporary Documents	Source	Status
N4-010321	Agenda	Ad Hoc Convenor	Approved
N4-010322	Tdoc allocation	Ad Hoc Convenor	Approved
N4-010323	CN4#06 Meeting Report - Beijing	MCC	Approved
N4-010324	CN4#06_01 Ad Hoc Meeting Report - Madrid	MCC	Approved
N4-010325	New Meeting Templates for CN groups	MCC	Withdrawn
N4-010326	LS on Problem with GPRS and Roaming (N4-010214)	N1	Noted
N4-010327	Mapping of unknown HLR error to access interface cause code.	Vodafone	Agreed
N4-010328	Mapping of unknown HLR error to access interface cause code.	Vodafone	Agreed
N4-010329	Mapping of unknown HLR error to access interface cause code.	Vodafone	Agreed
N4-010330	Positive authentication reporting	Vodafone	Withdrawn
N4-010331	Positive authentication reporting	Vodafone	Revised to Tdoc N4-010463
N4-010332	Positive authentication reporting	Vodafone	Revised to Tdoc N4-010348
N4-010333	Requesting node type and address in authentication set request	Vodafone	Revised to Tdoc N4-010465
N4-010334	MS presence notification procedure	NTC	Agreed
N4-010335	CR to 29.002 on SS-CSI editing error correction from CR 115r1	Siemens	Withdrawn
N4-010336	CR to 29.002 on SS-CSI editing error correction from CR 115r1	Siemens	Withdrawn
N4-010337	CR to 29.002 on Security Header modification	Siemens	Revised to Tdoc N4-010466
N4-010338	CR to 29.002 on Clarification on the use of IMSI in ProvideSubscriberLocationArg	Siemens	Postponed to CN4#08
N4-010339	Adding Up-link TEID Data I and user plane GGSN address to PDP Context IE	Nokia	Revised to Tdoc N4-010452
N4-010340	Addition of selected UMTS algorithm indication to the handover procedures	Nokia	Revised to Tdoc N4-010429
N4-010341	Addition of allowed GSM algorithms indication to the handover procedures	Nokia	Revised to Tdoc N4-010434
N4-010342	Addition of selected UMTS algorithm indication to the handover procedures	Nokia	Revised to Tdoc N4-010430
N4-010343	Addition of allowed GSM algorithms indication to the handover procedures	Nokia	Revised to Tdoc N4-010431
N4-010344	Addition of allowed UMTS algorithms indication to the handover procedures	Nokia	Revised to Tdoc N4-010432
N4-010345	Addition of selected GSM algorithm indication to the handover procedures	Nokia	Revised to Tdoc N4-010435
N4-010346	Addition of allowed UMTS algorithms indication to the handover procedures	Nokia	Revised to Tdoc N4-010433
N4-010347	Addition of selected GSM algorithm indication to the handover procedures	Nokia	Revised to Tdoc N4-010436
N4-010348	Positive authentication reporting	Vodafone	Revised to Tdoc N4-010464
N4-010349	3GPP workplan	CN4 Chairman	Revised to Tdoc N4-010487
N4-010350	Work Item Description for Release 5: "Feasibility study on SS7 signalling transportation in the core network with SCCP-User Adaptation (SUA)"	Motorola	Revised to Tdoc N4-010424
N4-010351	Clarifications to the GTP-U protocol	Motorola	Withdrawn
N4-010352	Clarification on IMSI Encoding	Motorola	Revised to Tdoc N4-010449
N4-010353	Clarification on IMSI Encoding	Motorola	Revised to Tdoc N4-010448
N4-010354	Clarification on IMSI Encoding	Motorola	Revised to Tdoc N4-010447
N4-010355	Incorporation of MPTY and ECT into the Subs_FSM process.	Vodafone	Agreed
N4-010356	Enhancement of procedures for Call Hold	Vodafone	Revised to Tdoc N4-010426
N4-010357	Removal of CW descriptions	Vodafone	Agreed
N4-010358	Enhancement of CW procedures	Vodafone	Agreed
N4-010359	Fix an ambiguous description on the treatment for the PDP Type PPP in PDP context creation procedure	NEC	Revised to Tdoc N4-010453
N4-010360	Adding EXPORT definition for LSALidentity	Ericsson	Agreed
N4-010361	Removing duplicate parameters from SS-CSI	Ericsson	Agreed

N4-010362	Correction to description of SS-CSI in HLR to VLR information flow	Ericsson	Agreed
N4-010363	Cx interface protocol selection	Siemens	Noted
N4-010364	TS 29.002: GSM to UMTS handover: addition of MAP parameter Target RNC ID GSM to UMTS handover: addition of MAP parameter Target RNC ID	Siemens	Agreed
N4-010365	TS 29.002 GSM to UMTS handover: addition of MAP parameter Target RNC ID	Siemens	Agreed
N4-010366	TS 29.010 GSM to UMTS handover: addition of MAP parameter Target RNC ID	Siemens	Agreed
N4-010367	TS 29.010 Inter MSC relocation: addition of MAP parameter Target RNC ID	Siemens	Agreed
N4-010368	Re-configure the les in the PDU Notification Request and in Create PDP Context Request to make it in ascending order	Siemens	Revised to Tdoc N4-010450
N4-010369	Roaming restrictions for GPRS service	Siemens	Agreed
N4-010370	Roaming restrictions for GPRS service	Siemens	Agreed
N4-010371	Roaming restrictions for GPRS service	Siemens	Agreed
N4-010372	Forbidden APN network identifier labels	Ericsson	Agreed
N4-010373	Capability negotiation in DIAMETER	Ericsson	Noted
N4-010374	Clarification on the TEID value of the signalling messages	Fujitsu	Revised to Tdoc N4-010456
N4-010375	Maximum numbers of LCS Clients	NTC	Revised to Tdoc N4-010462
N4-010376	Work Item Description for Bearer Independent Circuit-Switched Core Network	Rapporteur	Agreed
N4-010377	23.205 Editor's version including agreed contributions in CN4 Ad Hoc	Rapporteur	Noted
N4-010378	29.205 Editor's version including agreed contributions in CN4 Ad Hoc	Rapporteur	Noted
N4-010379	Non editorial updates	Ericsson L.M.	Agreed
N4-010380	Modification of section 8 (Handover)	Ericsson L.M.	Agreed
N4-010381	Enhancements to service modification	Ericsson L.M.	Agreed
N4-010382	Alignment of Tunnelling with ITU-T last changes in Gold Coast BICC editor's meeting	Ericsson L.M.	Withdrawn
N4-010383	Updates of TS 29.232 version 1.2.0	Ericsson L.M.	Withdrawn
N4-010384	Additions to the CSD package	Ericsson L.M.	Agreed
N4-010385	Corrections To Modify Char Procedure	Ericsson L.M.	Withdrawn
N4-010386	Enhancements to service modification	Ericsson L.M.	Withdrawn
N4-010387	Updates of TS 29.205 version 1.20	Ericsson L.M.	Agreed
N4-010388	GSN Address in Error Indication	Ericsson	Revised to Tdoc N4-010457
N4-010389	Clarifications on the mapping of cause codes towards 24.008	Ericsson	Postponed to CN4#08
N4-010390	LS to N1 on Cause Code mappings	Ericsson	Withdrawn
N4-010391	Clarification on the use of the term G-PDU	Ericsson	Withdrawn
N4-010392	Clarification of the use of multicall bearer information	Nokia	Agreed
N4-010393	Clarification of the use of multicall bearer information	Nokia	Agreed
N4-010394	Addition of radio resource list to the handover procedures	Nokia	Withdrawn
N4-010395	Addition of radio resource list to the handover procedures	Nokia	Withdrawn
N4-010396	Addition of GSM channel type and GSM chosen channel indications to handover procedures	Nokia	Withdrawn
N4-010397	Addition of GSM channel type and GSM chosen channel indications to handover procedures	Nokia	Withdrawn
N4-010398	Clarification of Error Indication	Ericsson	Revised to Tdoc N4-010460
N4-010399	Indication of relocation requirement in Forward Relocation Request	Nortel Networks	Withdrawn
N4-010400	TS 29.205 v1.2.0, Corrections	Nortel Networks	Agreed
N4-010401	TS 29.232v1.2.0, Mc interface clarifications/improvements	Nortel Networks	Partly Agreed
N4-010402	TS 29.232v1.2.0, (G)MSC Gateway Tandeming	Nortel Networks	Agreed
N4-010403	Alignment of cause mapping for 08.08 and 25.413 (Directed Retry)	Nortel Networks	Agreed
N4-010404	Clarification on the handling of sequence numbers in the GTP user plane	Lucent technologies	Agreed
N4-010405	Clarifications and clean up of the error handling section	Lucent technologies	Agreed
N4-010406	Editorial updates on 23.205v1.2.0 to be aligned with BICC CS2 last version issued in Gold Coast meeting	Rapporteur	Revised to Tdoc N4-010438
N4-010407	23.205, Multiparty alternative	Nortel Networks	Revised to Tdoc N4-010476
N4-010408	Failure of Authentication Parameter GPRS when HLR is not reachable	France Télécom	Noted
N4-010409	Failure of Authentication Parameter GPRS when HLR is not reachable	France Télécom	Revised to Tdoc N4-010443
N4-010410	Failure of Authentication Parameter GPRS when HLR is not reachable	France Télécom	Withdrawn ("Same" as N4-010327)
N4-010411	Failure of Authentication Parameter GPRS when HLR is not reachable	France Télécom	Revised to Tdoc N4-010440
N4-010412	Cause in Relocation Cancel Request	Motorola	Rejected
N4-010413	Paging not via the SGSN correction	Vodafone	Agreed
N4-010414	Paging not via the SGSN correction	Vodafone	Agreed

N4-010415	Editorial updates on 29.202	Rapporteur	Revised to Tdoc N4-010425
N4-010416	Editorial updates on 29.232	Rapporteur	Noted
N4-010417	Clarification of Delete PDP context response	Ericsson	Withdrawn
N4-010418	Reply to LS on MPTY issues	S1	Noted
N4-010419	Response to NJ-010107 (LS "Control of IP multimedia services")	S1	Noted
N4-010420	Removal of Visited Control S-CSCF option from the Rel 5 architecture	S2	Noted
N4-010421	LS on Replacement of 23.121 for R4 onwards	S2	Note
N4-010422	Tdoc allocation	Ad Hoc Convenor	Agreed
N4-010423	Proposed Reply LS on the Work Item "Cx Interface specification"	S2	Noted
N4-010424	Work Item Description for Release 5: "Feasibility study on SS7 signalling transportation in the core network with SCCP-User Adaptation (SUA)"	Motorola	Approved
N4-010425	Editorial updates on 29.202	Rapporteur	Approved
N4-010426	Enhancement of procedures for Call Hold	Vodafone	Approved
N4-010427	Adding EXPORT definition for GeographicalInformation	CN2/Nokia	Agreed
N4-010428	Adding EXPORT definition for GeographicalInformation	CN2/Nokia	Agreed
N4-010429	Addition of selected UMTS algorithm indication to the handover procedures	Nokia	Agreed
N4-010430	Addition of selected UMTS algorithm indication to the handover procedures	Nokia	Agreed
N4-010431	Addition of allowed GSM algorithms indication to the handover procedures	Nokia	Agreed
N4-010432	Addition of allowed UMTS algorithms indication to the handover procedures	Nokia	Agreed
N4-010433	Addition of allowed UMTS algorithms indication to the handover procedures	Nokia	Agreed
N4-010434	Addition of allowed GSM algorithms indication to the handover procedures	Nokia	Agreed
N4-010435	Addition of selected GSM algorithm indication to the handover procedures	Nokia	Agreed
N4-010436	Addition of selected GSM algorithm indication to the handover procedures	Nokia	Agreed
N4-010437	UMTS to GSM Directed Retry cause code mapping	Ericsson	Agreed
N4-010438	Editorial updates on 23.205v1.2.0 to be aligned with BICC CS2 last version issued in Gold Coast meeting	Rapporteur	Revised to Tdoc N4-010473
N4-010439	LS on handling of an error case for authentication set retrieval	CN4	Agreed
N4-010440	Failure of Authentication Parameter GPRS when HLR is not reachable	France Télécom	Endorsed by CN4
N4-010441	Failure of Authentication Parameter GPRS when HLR is not reachable	France Télécom	Endorsed by CN4
N4-010442	Failure of Authentication Parameter GPRS when HLR is not reachable	France Télécom	Endorsed by CN4
N4-010443	Failure of Authentication Parameter GPRS when HLR is not reachable	France Télécom	Agreed
N4-010444	Failure of Authentication Parameter GPRS when HLR is not reachable	France Télécom	Agreed
N4-010445	Failure of Authentication Parameter GPRS when HLR is not reachable	France Télécom	Agreed
N4-010446	Failure of Authentication Parameter GPRS when HLR is not reachable	France Télécom	Agreed
N4-010447	Clarification on IMSI Encoding	Motorola	Agreed
N4-010448	Clarification on IMSI Encoding	Motorola	Agreed
N4-010449	Clarification on IMSI Encoding	Motorola	Agreed
N4-010450	Re-configure the les in the PDU Notification Request and in Create PDP Context Request to make it in ascending order	Siemens	Agreed
N4-010451	Clarification on the use of the term G-PDU	Ericsson/Motorola/Nokia	Revised to Tdoc N4-010455
N4-010452	Adding Up-link TEID Data I and user plane GGSN address to PDP Context IE	Nokia	Agreed
N4-010453	Fix an ambiguous description on the treatment for the PDP Type PPP in PDP context creation procedure	NEC	Agreed
N4-010454	Clarifications on the GTP message treatment	Motorola	Revised to Tdoc N4-010461
N4-010455	Clarification on the use of the term G-PDU	Ericsson/Motorola/Nokia	Agreed
N4-010456	Clarification on the TEID value of the signalling messages	Fujitsu	Agreed
N4-010457	GSN Address in Error Indication	Ericsson	Revised to Tdoc N4-010458
N4-010458	GSN Address in Error Indication	Ericsson	Agreed
N4-010459	S2 CR about: Clarification of Error Indication	Ericsson	Noted
N4-010460	Clarification of Error Indication	Ericsson	Agreed
N4-010461	Clarifications on the GTP message treatment	Motorola	Withdrawn
N4-010462	Maximum numbers of LCS Clients calculation	NTC	Noted
N4-010463	Positive authentication reporting	Vodafone	Withdrawn
N4-010464	Positive authentication reporting	Vodafone	Withdrawn
N4-010465	Requesting node type and address in authentication set request	Vodafone	Agreed
N4-010466	CR to 29.002 on Security Header modification	Siemens	Withdrawn
N4-010467		CN2/Alcatel	Withdrawn
N4-010468		CN2/Alcatel	Withdrawn
N4-010469	Correction to D-CSI	CN2/Alcatel	Revised to Tdoc N4-010484
N4-010470	Correction to D-CSI	CN2/Alcatel	Revised to Tdoc N4-010485

N4-010471	Editorial changes to 23.205 (v1.2.0)	Ericsson	Agreed
N4-010472	Corrections to Modify Bearer Procedure (29.232 V 1.2.0)	Ericsson	Agreed
N4-010473	Editorial updates on 23.205v1.2.0 to be aligned with BICC CS2 last version issued in Gold Coast meeting	Rapporteur	Agreed
N4-010474	Modification of inter-SGSN relocation Cancel	Motorola	Postponed to CN4#08
N4-010475	Modification of inter-SGSN relocation Cancel	Motorola	Postponed to CN4#08
N4-010476	23.205, Multiparty alternative	Nortel Networks	Agreed
N4-010477	Meeting Schedule 2001	Chairman	Noted
N4-010478	Output Document List CN4#07	Chairman	Revised to Tdoc N4-010488
N4-010479	Additional parameters in Authenticaiton Failure Report	Ericsson	Noted
N4-010480	TS 29.232 v1.3.0	Vodafone	Agreed
N4-010481	23.205 version 2.0.0	Rapporteur	Agreed
N4-010482			Not used
N4-010483	LS to SA1 on Maximum number of LCS clients calculation	CN4	Approved
N4-010484	Correction to D-CSI	CN2/Alcatel	Agreed
N4-010485	Correction to D-CSI	CN2/Alcatel	Agreed
N4-010486	Updates of 29.205 0.2.0	Rapporteur	Agreed
N4-010487	3GPP workplan	CN4 Chairman	Agreed
N4-010488	Output Document List CN4#07	Chairman	Agreed

Annex C: Make calls for IPRs

The attention of the members of this Technical Specification Group is drawn to the fact **that 3GPP Individual Members have the obligation** under the IPR Policies of their respective Organizational Partners to **inform their respective** Organizational Partners **of Essential IPRs they become aware of.**

The members take note that they are hereby invited:

- to investigate in their company whether their company does own IPRs which are, or are likely to become Essential in respect of the work of the Technical Specification Group.
- to notify the Chairman, or the Director-General of their **respective** Organizational Partners, of all potential IPRs that their company may own, by means of the IPR Statement and the Licensing declaration forms.

Annex D: Access to 3GPP documents

This document briefly outlines some of the more important locations of information that all TSG_CN WG4 members should be aware of.

2.2 3GPP email lists:

To receive information about CN3 issues, all delegates and other interested parties MUST register for email list **3GPP_TSG_CN_WG4**. This can be done by sending an email to LISTSERV@LIST.3GPP.ORG with the following single line of text in the body of the message:

subscribe 3GPP_TSG_CN_WG4 YourFirstName YourLastName

There are many other 3GPP email lists that may also be of interest. Go to <http://www.3gpp.org/e-mail.htm> for further information.

If at any time you would like to confirm which lists you are currently a member of, just send a message to LISTSERV@LIST.3GPP.ORG with the following single line of text in the body of the message:

QUERY *

2.3 Email archives:

All 3GPP lists have an associated archive of every email sent via that list. Information on how to access the archive is sent to you when you subscribe to the list. This means that if you have temporary email problems, or have just joined the group, you can check to see if you have missed any messages. The easiest way to search the archive is first to request a list of all messages sent to the particular group you are interested in. For example, to get a list of messages sent via the **3GPP_TSG_CN_WG4** list between 1st Jan 1999 and the current date, send the following command to LISTSERV@LIST.3GPP.ORG:

search * in 3GPP_TSG_CN_WG4 since Jan 1999

As well as a list of emails sent, you receive instructions about how to retrieve the emails.

Some 3GPP archives are also available via a new user-friendly WWW interface. For CN4, go to: http://list.3gpp.org/archives/3gpp_tsg_cn_wg4.html

2.4 Meeting calendar:

The central location for all information relating to the 3GPP meeting calendar and the corresponding meeting invitations can be found at: <http://www.3gpp.org/Meetings.htm>

2.5 Documents on the server:

All documents submitted to CN4 meetings will be made available on the 3GPP document server in a directory (related to the number of the meeting) under: ftp://ftp.3gpp.org/TSG_CN/WG4_protocollars/ e.g. the documents for CN4 meeting #4 can be found at: ftp://ftp.3gpp.org/TSG_CN/WG4_protocollars/tsgN4_04/Docs/

ANNEX D: Document history

Document History	
05th March 2001	<p>DRAFT v.1.0.0 dispatched to the TSG_CN4 mail exploder for comments.</p> <p>Comments to be addressed to:</p> <p>Mr. Kimmo Kymäläinen, 3GPP TSG-CN4 MCC Support MCC - ETSI Secrétariat Tel :+33 (0)4 92 94 42 38 E-mail: kimmo.kymalainen@etsi.fr</p> <p>A deadline of a week was given to the CN4 delegates for e-mail comments on the draft report.</p> <p>E-mail comments back by 18th March 2001</p>
19th March 2001	Draft report v2.0.0 placed on the FTP serve
26th March 2001	Version 2.0.0 approved at CN4#07 Meeting in Sophia Antipolis – Made version 3.0.0 and sent out for info. Placed to server as the official meeting report.