



Third Generation Partnership Project

Draft Meeting REPORT v1.0.10
3GPP TSG_CN_WG4#08

Rio Grande, PUERTO RICO
14th February – 18th May 2001



Hosted by The North American Friends of 3GPP

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

Table of contents

1	Opening of the meeting Approval of Agenda.....	4
1.1	Make calls for IPRs	4
2	Document Allocation	4
2.1	Make calls for IPRs	4
3	Meeting Reports.....	4
4	Liaison Statements.....	4
5	Work Item Management.....	5
6	Election of CN4 chairman.....	5
6.1	Election results.....	5
7	Release 4.....	6
7.1	Location Services.....	6
7.2	Network Security.....	6
7.3	Bearer Independent Architecture.....	8
7.3.1	Stage 2.....	9
7.3.2	Stage 3 Nc-interface	10
7.3.3	Stage 3 Mc-interface.....	11
7.4	Supplementary Services	13
7.5	Any Other Business	13
7.5.1	TrFO	13
8	Release 5.....	14
8.1	HSS-CSCF interface.....	14
8.2	Any Other Business	16
8.2.1	MultiCall.....	16
8.2.2	IP Signalling.....	17
8.2.3	SSN.....	17
8.2.4	Network Security.....	18
8.2.5	WB-AMB.....	18
8.2.6	GPRS	18
8.2.7	TrFO	19
8.2.8	Nc-Stage 2.....	19
9	CN4 Vice Chairman election	19
9.1	Election results.....	19
10	Release 99 and earlier	20
10.1	Subscriber Data Management.....	20
10.2	Security.....	20
10.3	GPRS	20
10.4	Handover	24
10.5	Multicall.....	27

10.6	LCS.....	28
10.7	LCS.....	30
10.7.1	Call Forwarding.....	30
10.7.2	Super Charger	31
10.7.3	eMLPP.....	31
10.7.4	MAP - Call Handling.....	32
10.7.5	USSD	32
10.7.6	Shared Network.....	3332
11	Future Meetings	33
12	Output of CN4# Ad Hoc Meeting.....	34
12.1	Change Requests	34
12.2	Liaison Statements	39
12.3	TS/TRs	39
12.4	WIs	39
Annex A	: Participants	40
Annex B	: List of Temporary Documents	42
Annex C	: Make calls for IPRs.....	48
Annex D	: Access to 3GPP documents.....	49
2.2	3GPP email lists:.....	49
2.3	Email archives:.....	49
2.4	Meeting calendar:	49
2.5	Documents on the server:	49
ANNEX D	:Document history	50

1 Opening of the meeting Approval of Agenda

Mr. Yun-Chao Hu, CN4 chairman opened the meeting. Ms. Shannon Kolka gave welcome introduction on behalf of The North American Friends of 3GPP. 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 (N4-010501R2).

2 Document Allocation

Document allocation (N4-010502R1) was approved and revised (N4-010667)

2.1 Make calls for IPRs

Document is included in Annex C.

3 Meeting Reports

Sophia Antipolis meeting report (N4-010503) approved with modifications in section 7.1. Document raised to version 3.0.0. and will be uploaded to server.

Chairman presented CN#11 status report (N4-010531); document noted.

CN#11 meeting report (N4-010657) noted.

4 Liaison Statements

Document: N4-010504
Title: Deletion of WIs with impact on other TSGs
Source: CN
Presented: Mr. Yun-Chao Hu, Chairman
Discussion:

Decision: Noted

Document: N4-010510
Title: Reply LS on Joint Mobility Management session for GERAN
Source: S2
Presented: no presentation
Discussion:

Decision: Noted

Document: N4-010511
Title: IMS Service Provision
Source: S2
Presented: Mr. Peter Schmitt, Siemens
Discussion:

Decision: Noted

Document: N4-010662
Title: Decision requested on PS domain handover for real time services
Source: R3
Presented: Mr. Jari Jansson, Nokia
Discussion:

Decision: Noted

5 Work Item Management

Document: N4-010532
Title: TSG WG CN4 meetings 2002 (Draft)
Source: Chairman
Presented: Mr. Yun-Chao Hu, Chairman
Discussion:

- 6 meetings will be scheduled for year 2002.
- CN chairmen have an ad hoc about the requirement to co-locate the meetings.

Decision: Noted

Document: N4-010703
Title: Revised WI for the SUA Feasibility Study
Source: Motorola
Presented: Mr. Michael Young, Motorola
Discussion:

Decision: Approved

6 Election of CN4 chairman

Document: N4-010572
Title: Nomination of Mr. Peter Schmitt
Source: Siemens
Presented: Document for information
Discussion:

Decision: Noted

Document: N4-010573
Title: Nomination of Mr. Ian Park
Source: Vodafone
Presented: Document for information
Discussion:

Decision: Noted

6.1 Election results

VOTES	24	
Mr. Park	19	79 %
Mr. Schmitt	05	21 %

Mr. Ian Park (Vodafone) was elected as a chairman of CN4 for next two years.

7 Release 4

7.1 Location Services

Document: N4-010665
Title: OTDOA location method to be added
Source: Nokia
Presented: Mr. Jari Jansson, Nokia
Discussion:

- Document approved. Category will be changed as F, correction.
- Other spec effected: 25.413-xxx have to added to cover sheet

Decision: Agreed

Document: N4-010749
Title: MS Presence Notification Procedure for Rel-4
Source: NTC
Presented: Ms. Miyuki Soejima, NTC
Discussion:

- Principles agreed

Decision: Noted

Document: N4-010750
Title: MS presence notification procedure for LCS
Source: NTC
Presented: Ms. Miyuki Soejima, NTC
Discussion:

- Editorial corrections have to be made.
- Conditions for the parameters needs to be added

Decision: Revised Tdoc N4-010783

Document: N4-010783
Title: MS presence notification procedure for LCS
Source: NTC
Presented: Ms. Miyuki Soejima, NTC
Discussion:

Decision: Agreed

7.2 Network Security

Document: N4-010513
Title: Move of TS 33.200 - Network Domain Security from Rel-4 to Rel-5
Source: S3
Presented: Mr. Yun-Chao Hu, Chairman
Discussion:

- SA decided that SA3 should accept as a late Rel 4 item for the June TSG#12

Decision: Noted

Document: N4-010571
Title: MAP security
Source: S3
Presented: Mr. Ian Park, Vodafone
Discussion:

- Ericsson & Siemens were worried about the LS, because it's not the official LS from SA3. Ad Hoc made decision that LS will be discussed in SA3 E-mail list, which never happened?
- CN4 decided to go thru the main point of LS.
- Security level on Component level (technical arguments were raised based on interventions from Siemens and Vodafone)
- MAP over IP shall be considered as well. Can Ipsec be used for the security?
- Open issues of SA3 not resolved and confirmation needs to be addressed.
- **Granularity of protection:**
 - o CN4 protocol point of view *MAP Operation Component level* would be the best choice for defining MAP protection profiles. Technical issues support this opinion.
 - o LS will be produced by Vodafone, Siemens & Motorola
- **MAP Protection Groups**
 - o CN4 agrees the protection groups
- **Structure of Security header**
- **Algorithm Mode Selection for MAP Security**
 - o SA3: " The length should be 64 bits but S3 could agree on a smaller length (minimum 32 bits) in case this would give essential efficiency improvements (e.g. in the form of avoiding segmentations)"
 - Siemens: The value should be 32 bits. Siemens has presented the calculations before at Beijing meeting.
- LS to SA3 will be N4-010669
- Many issues still open about MAP security.
 - o Two ways to continue work:
 - Siemens will prepare a CR about MAP security issues
 - Ad Hoc meeting is needed after SA3 conclusion.
 - o Ad Hoc activity related to MAP security, if SA3 pushed this towards R4 (preferable conference call). Host Vodafone
 - Meeting will be 29th – 31st June hosted by Vodafone
 - o Draft CR will be produced by Ulrich Wiehe, Siemens N4-010671

Decision: Noted

Document: N4-010671
Title: Shift MAPsec to Rel-5
Source: Siemens
Presented: Mr. Ulrich Wiehe, Siemens
Discussion:

- Approved on the condition that SA3 will reject the NDS for Release 4

Decision: Approved

Document: N4-010669
Title: MAP security
Source: Siemens
Presented: Mr. Ulrich Wiehe, Siemens
Discussion:

Decision: Approved

AP for MCC

One CR on GTP Security (sourced Motorola) has been approved by CN4 (CN4#06) and was put on hold due to the SA3 discussions. If SA3 decides for NDS within Rel-4 then this CR needs to be submitted to the CN plenary for approval.

Document: N4-010514
Title: LS to CN4 on Additional Parameters in AFR procedure
Source: S3
Presented: Ms. Elena Garcia-Mendive, Ericsson
Discussion:

Decision: Noted

Document: **N4-010608**

Title: Additional Parameters in Authentication Failure Report

Source: Ericsson

Presented: Ms. Elena Garcia-Mendive, Ericsson

Discussion:

- Editorial corrections at 7.7.10 & 7.7.11
- Corrections have to make at 7.3.2. Will be done offline (Ericsson & Siemens)
- Access type definition is missing ASN.1: 17.7.7
- AC doesn't need to be updated
- New CRs are needed: N4-010672 & N4-010673 about authentication failure report

Decision: Revised Tdoc N4-010784

Document: **N4-010784**

Title: Additional Parameters in Authentication Failure Report

Source: Ericsson

Presented: Ms. Elena Garcia-Mendive, Ericsson

Discussion:

- Editorial corrections
- ASN.1 corrected

Decision: Revised Tdoc N4-010785

Document: **N4-010785**

Title: Additional Parameters in Authentication Failure Report

Source: Ericsson

Presented: Ms. Elena Garcia-Mendive, Ericsson

Discussion:

Decision: Agreed

Document: **N4-010672**

Title: Mistake in the definition of AFR Application Context

Source: Ericsson

Presented: Ms. Elena Garcia-Mendive, Ericsson

Discussion:

- Also mirror CR N4-010673 agreed

Decision: Agreed

7.3 Bearer Independent Architecture

Document: **N4-010509**

Title: Reply to: Answer to LS on Working Assumptions made by N3 for the new TS 29.415 "Core Network Nb User Plane protocols"

Source: R3

Presented: Mr. Peter Schmitt, Siemens

Discussion:

Decision: Noted

Document: **N4-010518**

Title: New H.248 Packages Implementors' Guide and Review Procedure

Source: Q.3/16

Presented: Mr. Yun-Chao Hu, Chairman

Discussion:

- Put on hold to see volunteering companies to take the TS 29.232 towards SG16 Q.3/11.
- Need for Communication towards Q.3 Rapporteur agreed
 - o Response Tdoc N4-010675 to Q.3
 - o This will be a chairman's letter.

- It will be distributed on the CN4 email list.

Decision: Noted

Document: **N4-010570**
Title: LS on Protocol Stack for an IP based lu-cs
Source: R3
Presented: Mr. Peter Schmitt, Siemens
Discussion:

Decision: Noted

7.3.1 Stage 2

Document: **N4-010526**
Title: Section 8 & 13 Interworking Function, Codec Handling, and Voice Processing Function Alignment/Clean up
Source: Tellabs
Presented: Mr. Brian Yarger, Tellabs
Discussion:

- Editorial corrections made

Decision: Revised Tdoc N4-010676

Document: **N4-010676**
Title: Section 8 & 13 Interworking Function, Codec Handling, and Voice Processing Function Alignment/Clean up
Source: Tellabs
Presented: No presentation
Discussion:

Decision: Agreed without presentation

Document: **N4-010557**
Title: Subscriber and equipment trace
Source: Nokia
Presented: Mr. Seppo Kauntola, Nokia
Discussion:

- Vodafone: We should decide if this will be included to Rel-4 or Rel-5.
 - Companies don't accept it to Rel-4.
 - CR is postponed
 - CN4 send LS to SA5 about Subscriber and equipment trace. When SA5 has introduced it in spec. 32.008 after that the source will introduce CR again.
 - LS to SA5; N4-010677

Decision: Postponed

Document: **N4-010677**
Title: SA5 to raise issue on 32.008
Source: Nokia
Presented: Mr. Seppo Kauntola, Nokia
Discussion:

Decision: Agreed

Document: **N4-010609**
Title: Corrections to Call Clearing
Source: Vodafone
Presented: Mr. Ian Park, Vodafone
Discussion:

- Section 7.1. will be renumbered by Mr. Park.

Decision: Revised to N4-010678

Document: **N4-010678**
Title: Corrections to Call Clearing
Source: Vodafone
Presented: Mr. Ian Park, Vodafone
Discussion:

-

Decision: Agreed

Document: **N4-010610**
Title: Enhancements to CAMEL Announcement and User Interaction
Source: Vodafone
Presented: Mr. Ian Park, Vodafone
Discussion:

- Concerns has been raised to the message ConnectToResource has been not defined between the MSC Server and the MGW.
- The usage of the connectToResource has been doubted.
- No intention to make all CAMEL scenary within the documentation.

Decision: Revised to Tdoc N4-010679

Document: **N4-010679**
Title: Enhancements to CAMEL Announcement and User Interaction
Source: Vodafone
Presented: Mr. Ian Park, Vodafone
Discussion:

- Nortel: Continuity message have to be sent both way.
 - o Ericsson supports Nortel opinion
 - o Only editorial changes accepte14.4.4

Decision: Withdrawn

Document: **N4-010611**
Title: Alignment of Procedure names to TS 29.232
Source: Vodafone
Presented: Mr. Ian Park, Vodafone
Discussion:

- Nortel: Continuity message have to be sent both way.
 - o Ericsson supports Nortel opinion
 - o Text improvement need in section 14.4.4
 - o Kevin will check regarding the continuity message.

Decision: Revised to Tdoc N4-010680

Document: **N4-010680**
Title: Alignment of Procedure names to TS 29.232
Source: Vodafone
Presented: Mr. Ian Park, Vodafone
Discussion:

Decision: Agreed

7.3.2 Stage 3 Nc-interface

Document: **N4-010577**
Title: Changes to provide interworking between signalling transport
Source: Ericsson
Presented: Ms. Elena Garcia-Mendive, Ericsson

Discussion:

- Siemens: If we don't introduce MTP3-User Adaptation Layer, then H.248 have to know what's under upper layer.
- Chairman: We supposed this CR approved as category B if there are no consensus about categ. F.
 - o There was misunderstanding during the meeting if this CR was category B Addition of feature or F correction.
 - o Concerns from Lucent and Nortel included in a revised Tdoc N4-0100706

Decision: Revised Tdoc N4-010706

Document: N4-010706

Title: Changes to provide interworking between signalling transport

Source: Ericsson

Presented: Ms. Elena Garcia-Mendive, Ericsson

Discussion:

Decision: Agreed

7.3.3 Stage 3 Mc-interface

Document: N4-010521

Title: Text encoding of codec information on Mc interface

Source: Nortel Networks

Presented: Mr. Kevin Gorey, Nortel Networks

Discussion:

- Agreed was to refer to Q.765.5 for CODEC names

Decision: Revised Tdoc N4-010689

Document: N4-010689

Title: Text encoding of codec information on Mc interface

Source: Nortel Networks

Presented: Mr. Kevin Gorey, Nortel Networks

Discussion:

Decision: Agreed

Document: N4-010522

Title: Text encoding of codec information on Mc interface

Source: Nortel Networks

Presented: Mr. Kevin Gorey, Nortel Networks

Discussion:

- Vodafone supposed modifications with references.
 - o Modifications agreed by CN4

Decision: Revised Tdoc N4-010688

Document: N4-010688

Title: Text encoding of codec information on Mc interface

Source: Nortel Networks

Presented: Mr. Kevin Gorey, Nortel Networks

Discussion:

- Based on the issue to let other organisations resolve the issue (i.e. IETF),
- the CR is withdrawn

Decision: Withdrawn

Document: N4-010682

Title: Clarifications in 3GUP package

Source: Siemens

Presented: Mr. Thomas, Siemens

Discussion:

- Comment made to the diagram in Annex B
- Editorial modification made

Decision: revised Tdoc N4-010690

Document: N4-010690

Title: Clarifications in 3GUP package

Source: Siemens

Presented: Mr. Thomas Belling, Siemens

Discussion:

- Editorial modification made

Decision: Revised to Tdoc N4-010692

Document: N4-010692

Title: Clarifications in 3GUP package

Source: Siemens

Presented: No presentation

Discussion:

Decision: Agreed

Document: N4-010643

Title: Updates to UP Relay Function, Appendix A

Source: Ericsson, Siemens

Presented: Mr. Phil Hodges, Ericsson

Discussion:

- Vodafone: Reference should not be deleted in 15.1.1.5
 - o Ericsson agreed
- Small editorial correction made
- Contradictions to the drafting rules corrected

Decision: Revised Tdoc N4-010693

Document: N4-010693

Title: Updates to UP Relay Function, Appendix A

Source: Ericsson, Siemens

Presented: No presentation

Discussion:

Decision: Agreed

Document: N4-010613

Title: Editorial corrections to TS 23.205 and Q.1950

Source: Vodafone

Presented: Mr. Ian Park, Vodafone

Discussion:

- MGW Capability Update was challenged.

Decision: Revised Tdoc N4-010694

Document: N4-010694

Title: Editorial corrections to TS 23.205 and Q.1950

Source: Vodafone

Presented: No presentation

Discussion:

Decision: Agreed

Document: N4-010693

Title: Updates to UP Relay Function, Appendix A

Source: Ericsson, Siemens

Presented: No presentation
Discussion:

Decision: Agreed

Document: **N4-010652**
Title: ATM-IP signalling transport Interworking
Source: Ericsson
Presented: Mr. Miguel Pallares, Ericsson
Discussion:

- Postponed later on this meeting
- Concerns from Lucent and Nortel included

Decision: Revised Tdoc N4-010746

Document: **N4-010746**
Title: ATM-IP signalling transport Interworking
Source: Ericsson
Presented: Mr. Miguel Pallares, Ericsson
Discussion:

Decision: Agreed

7.4 Supplementary Services

7.5 Any Other Business

7.5.1 TrFO

Document: **N4-010508**
Title: Relationship of Inband lu FP version negotiation and out of band signaling
Source: R3
Presented: Mr. Yun-Chao Hu, Chairman
Discussion:

Decision: Noted

Document: **N4-010668**
Title: Reply to RAN3 on on Highlighting Requirements to RAN3 for SRNS relocation with TrFO
Source: CN4
Presented: Mr. Phil Hodges, Ericsson
Discussion:

- To: SA, CN & RAN

Decision: Revised to Tdoc N4-010696

Document: **N4-010696**
Title: Reply to RAN3 on on Highlighting Requirements to RAN3 for SRNS relocation with TrFO
Source: CN4
Presented: No presentation
Discussion:

- To: SA, CN & RAN

Decision: Agreed

Document: **N4-010516**
Title: Reply on Codec Type UMTS_AMR_2
Source: S4
Presented: Mr. Phil Hodges, Ericsson
Discussion:

Decision: Noted

Document: **N4-010616**

Title: Relationship of Inband Iu FP version negotiation and out of band signaling

Source: Siemens

Presented: Mr. Thomas Belling, Siemens

Discussion:

- Ericsson: Do you want these all to Rel-4 or Rel-5?
 - o We want them to already Rel-4 and later releases
- Ericsson: We agree all the other issues for Rel-4 and later except: "An appropriate H.248 error code should be introduced or used at the Mc interface."
- All the other principals for Rel-4 are endorsed by CN4

Decision: Noted

Document: **N4-010683**

Title: Clarification of Use of UP version property in 3GPP package

Source: Siemens

Presented: Mr. Thomas Belling, Siemens

Discussion:

Decision: Agreed

Document: **N4-010618**

Title: Role of MSC server in FP UP version negotiation for TrFO

Source: Siemens

Presented: Mr. Thomas Belling, Siemens

Discussion:

- Editorial changes to the text

Decision: Revised Tdoc N4-010691

Document: **N4-010691**

Title: Role of MSC server in FP UP version negotiation for TrFO

Source: Siemens

Presented: No presentation

Discussion:

Decision: Agreed

Document: **N4-010644**

Title: Default Codec For UMTS & GSM dual systems

Source: Ericsson

Presented: Mr. Phil Hodges, Ericsson

Discussion:

- There are some impacts to 21.008. Ericsson (Phil Hodges) will draft the CR to SA5.

Decision: Agreed

8 Release 5

8.1 HSS-CSCF interface

Document: **N4-010606**

Title: Scope of Cx i/f Specifications

Source: Ericsson

Presented: Mr. Miguel Pallares, Ericsson

Discussion:

- Nortel: Stage 2 it's not enough detail described. CN4 should do some improvements for that. CN4 should produce a new stage 2 Cx specification.

- Concerns have been raised that this structure of descriptions would duplicate information in TS 23.cde and TS 23.228. Another concern is the clear separation of stage2 and stage 3 descriptions.

Decision: Principles endorsed

Document: **N4-010619**
Title: Standards for Cx interface protocol description
Source: Siemens
Presented: Mr.Balazs Czoma, Siemens
Discussion:

- A proposal from CN4 Chairman (E-mail discussion before meeting) is to create two 29.xxx series standards:
 - o TS 29.228 would describe the use cases for the procedures on the Cx interface as identified by TS 23.228.
 - o TS 29.229 would describe the protocol aspects of the Cx interface.
- Vodafone: Why do we need 2 different Stage 3 specification?
 - o 29.228 will be pure diameter specification
 - o 29.229 will be diameter extension specification (will be hopefully done by IETF)
- Principles endorsed

Decision: Revised Tdoc N4-010697

Document: **N4-010697**
Title: Standards for Cx interface protocol description
Source: Siemens
Presented: Mr.Balazs Czoma, Siemens
Discussion:

- Specification number will be 29.228
- Rapporteur:
 - o Siemens: Balaz
 - o Ericsson: Miguel

Decision: Agreed

Document: **N4-010647**
Title: Completeness and consistency of the Cx interface operations definition
Source: Motorola
Presented: Mrs. Johanna Wild, Motorola
Discussion:

Decision: Principles endorsed

Discussion cross all the Cx-documents above N4-010606, N4-010619 and N4-010647

- Principals of all documents are endorsed
- Siemens contribution will be used as a draft for 29.228? IP Multimedia (IM) Subsystem Cx Interface; Signalling flows and message contents
- At last CN4#7 meeting in Sophia Antipolis it has been decided that CN4 shall create:
 - o stage 2 (TS 23.cde) and
 - o stage 3 (TS 29.cde) standards for the Cx interface.
- CN4 decided during CN4 #08 that TS 29.cde will be 29.228 and TS 23.cde will be 29.229 if the spec. numbers are free

Document: **N4-010607**
Title: Basis for the work in IETF related to Diameter
Source: Ericsson
Presented: Mr. Miguel Pallares, Ericsson
Discussion:

- CN4 endorsed the contribution after constructive discussion made by Ericsson, Motorola and France Telecom.

Decision: Endorsed

Document: N4-010558
Title: Diameter "User" Sessions on Cx
Source: Nokia
Presented: Mr. Seppo Kauntola
Discussion:

- A number of issues raised by France Telecom, Siemens and Ericsson.
 - o E-mail discussion will start after meeting

Decision: Noted

Document: N4-010559
Title: General Principles on using Diameter
Source: Nokia
Presented: Mr. Seppo Kauntola, Nokia
Discussion:

- CN4 couldn't agree if it's better with one, two or three extension. More study will be needed.
- France Telecom was concerned if it's easy to go from one extension (Rel-5) to three extensions in Rel-6.
- A number of issues raised by France Telecom, Siemens and Ericsson.
- Issue will be part of E-mail discussion

Decision: Noted

Document: N4-010620
Title: 3GPP requirements on the Diameter extension used for the Cx interface
Source: Siemens
Presented: Mr. Balazs Czoma, Siemens
Discussion:

- Document goes to E-mail discussion, because no general agreement in CN4.

Decision: Noted

8.2 Any Other Business

8.2.1 MultiCall

Document: N4-010534
Title: Handling of MultiCall in MPTV procedure
Source: Vodafone
Presented: Mr. Ian Park, Vodafone
Discussion:

Decision: Agreed

Document: N4-010533
Title: Handling of MultiCall in MPTV procedure
Source: Vodafone
Presented: Mr. Ian Park, Vodafone
Discussion:

- Lucent and Siemens made some comments to the SDL diagrams.
- Corrections made.

Decision: Revised Tdoc N4-010698

Document: N4-010698
Title: Handling of MultiCall in MPTV procedure
Source: Vodafone
Presented: No presentation
Discussion:

Decision: Agreed

8.2.2 IP Signalling

Document: N4-010666

Title: Feasibility Study on SS7 Signalling transport in the core network with SUA

Source: Motorola

Presented: Mr. Michael Young, Motorola

Discussion:

- France Telecom: Do you know if SUA can carry same octet amount as whitebook SCCP?
 - o Chairman: Right now the report doesn't give enough information that SUA could use as well as SCCP.
- Ericsson: It's not clear if chapter 8 is example or full list SCCP user needed.
 - o Chapter 8 needs more explanations that all of the current SCCP user could work correctly also with SUA.
- Do you take a count to translate global title information for both ways?
 - o Motorola: SUA will translate it also from IP to SS7
- Lucent: Have you take account BSSAP+
 - o Motorola: Yes, but we haven't mention it in this FS
- France Telecom: We have to be sure that all services work correctly with SUA
- France Telecom: Section 8.4, Mobile Number portability needs more study!
- Operators who wants to introduce IP signalling transport have to take account the interworking with operators who use SS7 signalling transport.
- France Telecom: Description that is more detailed is needed about point code addressing in SUA. Further study is needed
- France Telecom: Load sharing is another issues needs to be addressed.
- Ericsson: Descriptions that are more detail are needed, what are the plans in IEFT. Our main concern is: "How technical stabile the work is in IEFT?"
 - o Motorola: Some time is needed for the last draft
 - o Nortel Network: We don't see any concern to add this to Rel-5
 - o Chairman: Text in 5.4 doesn't give the visibility when the SUA is ready by the SIGTRAN Working Group in IETF to use as an normative reference in 3GPP specification.
- Lucent: It would be useful to add PCAP.
- Detailed issue IMSI translation
- SUA – SCTP more specific information is needed.
- FS won't send to CN#12. Updated TR 29.903 will be discussed next time in CN4#09 Dresden
- CN4 needs to be update and approve SUA feasibility study WI before CN#12.
- Active Discussion will continue on CN4 E-mail list.
- CN4 endorsed Motorola's FS about SUA

Decision: Endorsed

8.2.3 SSN

Document: N4-010621

Title: New Subsystem Number for the Position Calculation Application Part on the lupc interface

Source: Qualcomm

Presented: Ms. Suzanne Arcens

Discussion:

- Qualcomm opinioin is that SA2 has agreed the principals already
 - o Ericsson: There are no agreement yet in SA2
- Chairman will take to contact to SA2 chairman to solve what is the status of the workitem and architectural changes.
- There is a new reference 18, but the reference is redundant from specification.
- Linked CR to SA2 and RAN3 specifications
- Revised Tdoc N4-010699

Decision:

Document: N4-010699

Title: New Subsystem Number for the Position Calculation Application Part on the lupc interface

Source: Qualcomm
Presented: Ms. Suzanne Arcens, Qualcomm
Discussion:

- CN#12 plenary will wait LS from RAN3 that these changes are needed, otherwise CR will be rejected in CN#12.
- SA2 Architectural interfaces – handed over to RAN
 - o Nortel has concerned about this procedure.
 - Chairman: 23.002 CR will be linked to this CR.
- Changes made in cover sheet

Decision: Agreed

8.2.4 Network Security

Document: N4-010515
Title: Clarification on positive authentication report
Source: S3
Presented: Mr. Edzo De Vries, Lucent
Discussion:

Decision: Noted

8.2.5 WB-AMB

Document: N4-010506
Title: Introduction of AMR-WB
Source: N1
Presented: Mr. Jari Jansson, Nokia
Discussion:

- A draft response will be generated, co-ordinated with the CN1 activity. The LS will also indicate the WI description that is anticipated to be approved at TSG#13.
- Response LS to CN1, CN
- LS tdoc is N4-010702

Decision: Noted

Document: N4-010638
Title: Introduction of AMR-WB
Source: Nokia
Presented: Mr. Jari Jansson, Nokia
Discussion:

- Comments made by the Siemens Trick to avoid AC upgrade for Release 5 by introducing the change for R99.
- Only related to the HO part

Decision: Noted

8.2.6 GPRS

Document: N4-010507
Title: GPRS work covering break in radio transmission
Source: SA2 SIP joint meeting
Presented: Mr. Alessio Casati, Lucent
Discussion:

- Subject is more CN1 joint session issue in 24.228

Decision: Noted

Document: N4-010517
Title: LS on consistent description regarding the use of Charging Characteristics
Source: S5
Presented: Mr. Alessio Casati, Lucent
Discussion:

- Reply LS to SA5 N4-010705

- Conformed the behaviour is correct.
- The issue of clarification within 29.060 will be taken into account

Decision: Noted

8.2.7 TrFO

Document: N4-010645
Title: Discussion On Control Of Number Of Transcoding Stages
Source: Ericsson
Presented: Mr. Phil Hodges, Ericsson
Discussion:

- Principals are endorsed by CN4
 - o The CN4 meeting does not see any objection to proceed in this way. However, they felt that the requirements discussion needs to take place in SA1. In this context, the contributor and other companies are stimulated to contribute to SA1.

Decision: Noted

8.2.8 Nc-Stage 2

Document: N4-010646
Title: Discussion On Framing Protocol Indication In BICC
Source: Ericsson
Presented: Mr. Phil Hodges, Ericsson
Discussion:

- CN4 agrees the principals.
- In addition, CN3 have to endorse the principals.
 - o CN3 delegates have endorsed this idea and two potential WIs have been identified.
 - o
- Ericsson is volunteer to provide ITUT-contribution for the next meeting.
- CN3 DELEGATES endorses this idea and two potential WIs have been identified:
 - o WI interworking between Rel4 network and other PLMNS/PSTNs
 - o WI on usage of IMT-2000 Family Member Framing protocols

Decision: Noted

9 CN4 Vice Chairman election

Document: N4-010572
Title: Nomination of Mr. Peter Schmitt
Source: Siemens
Presented: Document for information
Discussion:

Decision: Noted

Document: N4-010574
Title: Nomination of Mr. Toshiyuki Tamura
Source: NEC
Presented: Document for information
Discussion:

Decision: Noted

9.1 Election results

No election needed. Both candidates elected as Vice Chairman by acclamation.

10Release 99 and earlier

10.1 Subscriber Data Management

Document: N4-010561
Title: Corrective phase3 CR against 23.008
Source: Alcatel
Presented: Mr. Christian Hoffman, Alcatel
Discussion:

- Editorial corrections made
- Title has changed

Decision: Revised tdoc N4-010709

Document: N4-010709
Title: Corrective phase3 CR against 23.008
Source: Alcatel
Presented: No presentation
Discussion:

- Document was approved without presentation
 - o Objected by Vodafone.
 - o Concerns from Vodafone addressed and included in the revised Tdoc N4-010755

Decision: Revised tdoc N4-010755

Document: N4-010755
Title: Corrective phase3 CR against 23.008
Source: Alcatel
Presented: No presentation
Discussion:

- Also mirror CR **N4-010756** agreed

Decision: Agreed

Document: N4-010744
Title: Supported CAMEL Phases in VLR is temporary
Source: CN2
Presented: Mr. Ian Park. Vodafone
Discussion:

- Also mirror CR **N4-010745** agreed

Decision: Agreed

Document: N4-010722
Title: Initialisation of variable to monitor activation of CSI's
Source: CN2
Presented: Mr. Ian Park. Vodafone
Discussion:

- Also mirror CR **N4-010723** agreed

Decision: Agreed

10.2 Security

10.3 GPRS

Document: N4-010575

Title: Remove GGSN control plane address from "Update PDP Context Response" message
Source: Alcatel
Presented: Mr. [Tony Huynh-Quang](#)~~Feni~~, Alcatel
Discussion:

- Lots of concern from Ericsson, Siemens, Nortel, Motorola and NEC. Based on this the CR is not accepted
- Also mirror N4-010576 rejected

Decision: Rejected

Document: **N4-010524**
Title: Correction/Clarification of GGSN handling of Update PDP Context response
Source: Nortel
Presented: Mr. Kevin Gorey, [Nortel](#)~~Alcatel~~
Discussion:

- Modification made to coversheet
- Mirror Rel-4 CR **N4-010525** also agreed

Decision: Agreed

Document: **N4-010529**
Title: Correction due to wrongly implemented CR on the Error indication message
Source: Lucent
Presented: Mr. Alessio Casati, Lucent
Discussion:

- Mirror Rel-4 CR **N4-010530** also agreed

Decision: Agreed

Document: **N4-010543**
Title: RNC IP Address IE format
Source: Ericsson, Lucent, Motorola, Nokia
Presented: Mr. Einar Oltedal, Ericsson
Discussion:

- Mirror Rel-4 CR **N4-010544** also agreed

Decision: Agreed

Document: **N4-010552**
Title: Clarification of the handling of Version Not Supported; Supported Extensions Headers and Error notification messages
Source: Lucent
Presented: Mr. Alessio Casati, Lucent
Discussion:

- Editorial corrections made in section 10.1.2.3
- Mirror CR for Rel-4 is needed

Decision: Revised Tdoc N4-010712

Document: **N4-010712**
Title: Clarification of the handling of Version Not Supported; Supported Extensions Headers and Error notification messages
Source: Lucent
Presented: No presentation
Discussion:

- Mirror Rel-4 CR **N4-010713** also agreed

Decision: Agreed

Document: **N4-010553**
Title: Removal of the useless "version not supported" cause code from GTP messages
Source: Lucent
Presented: Mr. Alessio Casati, Lucent

Discussion:

- Mirror CR for Rel-4 is needed
- Section 7.7.4 have to be checked

Decision: Revised Tdoc N4-010715

Document: N4-010715

Title: Removal of the useless "version not supported" cause code from GTP messages

Source: Lucent

Presented: No presentation

Discussion:

- Mirror Rel-4 CR **N4-010714** also agreed

Decision: Agreed

Document: N4-010554

Title: Clarification of the Path failure handling

Source: Lucent

Presented: Mr. Alessio Casati, Lucent

Discussion:

- CR rejected by Nokia & Motorola & Ericsson

Decision: Rejected

Document: N4-010555

Title: Ambiguous text description of the CGF IE handling in the GTP create PDP context request message

Source: Lucent

Presented: Mr. Alessio Casati, Lucent

Discussion:

- Mirror Rel-4 CR **N4-010721** also agreed

Decision: Agreed

Document: N4-010624

Title: Mapping of IEs between GTP and GMM/SM

Source: Ericsson

Presented: Mr. Einar Oltedal, Ericsson

Discussion:

- Ericsson will draft CR against 29.010 for all cause codes but not all the information element mapping
- Document withdrawen after discussion

Decision: Withdrawn

Document: N4-010626

Title: PDP Context handling at Inter SGSN RA Update

Source: Ericsson

Presented: Mr. Einar Oltedal, Ericsson

Discussion:

- Vendors were against CR. Reason: functional modification.
- Sonera supported Ericsson's CR from operator point of view.

Decision: Rejected

Document: N4-010628

Title: Suspend/Resume at Intersystem Change (R99)

Source: Ericsson

Presented: Mr. Einar Oltedal, Ericsson

Discussion:

- Lucent and Siemens rejected to proposal for R99.

- Vodafone, Fujitsu and NEC have concerns on discrepancies between R99 and Rel-4. If WI between R99 and Rel-4 Can resolved without a bad hit on the performance then the concerns of the indicated companies can be relieved.
- Ericsson has concerns remove the Rel-4 proposal
- CN4 endorses that Lucent will prepare CR to 23.060 to remove the capability for R99.
- CN4 will ask Ericsson and other interested parties to resolve WI between R99 and Rel-4.

Decision: Rejected

Document: **N4-010629**

Title: Suspend/Resume at Intersystem Change (Rel-4)

Source: Ericsson

Presented: Mr. Einar Oltedal, Ericsson

Discussion:

- Document withdrawn due to discussions.
- Existing messages might be able to be used.

Decision: Postponed

Document: **N4-010660**

Title: Alignment of the 29.060 with the 23.060 for the SRNS Relocation procedure

Source: France Telecom

Presented: Mr. Francois Dronne, France Telecom

Discussion:

- Category F: approved by consensus
- Mirror Rel-4 CR **N4-010661** also agreed

Decision: Agreed

Document: **N4-010684**

Title: Supporting multiple IP addressing in the SGSN Context Acknowledge message

Source: Ericsson

Presented: Mr. Einar Oltedal, Ericsson

Discussion:

- General support by CN4 meeting.
- NEC will make checks during next 12 hours (information element table).
- Section 8.2 will be added
- Table 37. will be modified: DATA II will be removed

Decision: Revised Tdoc N4-010717

Document: **N4-010717**

Title: Supporting multiple IP addressing in the SGSN Context Acknowledge message

Source: Ericsson

Presented: Mr. Einar Oltedal, Ericsson

Discussion:

- General support by CN4 meeting.
- NEC will make checks during next 12 hours (information element table).
- Approved without presentation. NEC indicated that they need 12 hours to get the final approval
 - o Objected by NEC
- Postponed to the next meeting based on invention from Motorola
 - o Mirror Rel-4 CR **N4-010718** also postponed to the next meeting

Decision: Postponed

Document: **N4-010758**

Title: Supporting multiple IP addressing in the SGSN Context Acknowledge message

Source: NEC

Presented: Mr. Toshiyuki Tamura, NEC

Discussion:

- Postponed pending on the result of the CN1 discussion on the IMSI format

Decision: Withdrawn

Document: **N4-010639**

Title: Remove reference to TS03.22 (R97)

Source: Motorola

Presented: Mr. Michael Young, Motorola

Discussion:

- Postponed pending on the result of the CN1 discussion on the IMSI format

Decision: Postponed

Document: **N4-010640**

Title: Remove reference to TS03.22 (Rel-98) and others

Source: Motorola

Presented: Mr. Michael Young, Motorola

Discussion:

- Corrections have to made

Decision: Revised Tdoc N4-010724

Document: **N4-010724**

Title: Remove reference to TS03.22 (Rel-98) and others

Source: Motorola

Presented: Mr. Michael Young, Motorola

Discussion:

- Mirror R99 & Rel-4 CRs **N4-010725 & N4-010726** also agreed

Decision: Agreed

Document: **N4-010564**

Title: GTP Message Treatment

Source: Motorola

Presented: Mr. Michael Young, Motorola

Discussion:

- Mirror Rel-4 CR **N4-010565** also agreed

Decision: Agreed

10.4 Handover

Document: **N4-010584**

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

Source: Nokia

Presented: Mr. Jari Jansson, Nokia

Discussion:

- Siemens: Rearrangement have to do in PrepareHO-req table (ASN.1)

Decision: Revised Tdoc N4-010727

Document: **N4-010727**

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

Source: Nokia

Presented: No Presentation

Discussion:

- Mirror Rel-4 CR **N4-010728** also agreed

Decision: Agreed

Document: **N4-010590**

Title: Addition of allowed GSM algorithms indication to the handover procedures

Source: Nokia

Presented: Mr. Jari Jansson, Nokia

Discussion:

- RadioResourceInformation will made more flexible

Decision: Revised Tdoc N4-010729

Document: **N4-010729**

Title: Addition of allowed GSM algorithms indication to the handover procedures

Source: Nokia

Presented: No presentation

Discussion:

- Also mirror CR **N4-010730** agreed

Decision: Agreed

Document: **N4-010588**

Title: Addition of allowed UMTS algorithms indication to the handover procedures

Source: Nokia

Presented: Mr. Jari Jansson, Nokia

Discussion:

- ASN.1 modification have to be made

Decision: Revised Tdoc N4-010732

Document: **N4-010732**

Title: Addition of allowed UMTS algorithms indication to the handover procedures

Source: Nokia

Presented: Mr. Jari Jansson, Nokia

Discussion:

- Nortel Networks needs more time to evaluate the conditions, however they will allow to proceed with the approval with the explicit opportunity to come back on this during the CN Plenary
- Mirror Rel-4 CR **N4-010733** is agreed

Decision: Agreed

Document: **N4-010586**

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

Source: Nokia

Presented: Mr. Jari Jansson, Nokia

Discussion:

- ASN.1 modification have to be made

Decision: Revised Tdoc N4-010734

Document: **N4-010734**

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

Source: Nokia

Presented: Mr. Jari Jansson, Nokia

Discussion:

- Mirror Rel-4 CR **N4-010735** is agreed

Decision: Agreed

Document: **N4-010600**

Title: Addition of GSM channel type and GSM chosen channel indications to handover procedures

Source: Nokia

Presented: Mr. Jari Jansson, Nokia

Discussion:

- ASN.1 modification have to be made

Decision: revised Tdoc N4-010736

Document: N4-010736
Title: Addition of GSM channel type and GSM chosen channel indications to handover procedures
Source: Nokia
Presented: Mr. Jari Jansson, Nokia
Discussion:

- Mirror Rel-4 CR N4-010737 is agreed

Decision: Agreed

Document: N4-010632
Title: Correction to description of RNCId parameter
Source: Nokia
Presented: Mr. Jari Jansson, Nokia
Discussion:

- Mirror Rel-4 CR N4-010633 is agreed

Decision: Agreed

Document: N4-010634
Title: Correction to Encryption Information and Integrity Protection Information parameters
Source: Nokia
Presented: Mr. Jari Jansson, Nokia
Discussion:

- Mirror Rel-4 CR N4-010635 is agreed

Decision: Agreed

Document: N4-010592
Title: Addition of selected UMTS algorithm indication to the handover procedures
Source: Nokia
Presented: Mr. Jari Jansson, Nokia
Discussion:

- Editorial corrections have to make in section 4.5.5.8
- Mirror Rel-4 CR N4-010593 is agreed

Decision: Agreed

Document: N4-010594
Title: Addition of selected GSM algorithm indication to the handover procedures
Source: Nokia
Presented: Mr. Jari Jansson, Nokia
Discussion:

- Editorial corrections have to make in section 4.5.5.8
- Mirror Rel-4 CR N4-010595 is agreed

Decision: Agreed

Document: N4-010596
Title: Addition of allowed UMTS algorithms indication to the handover procedures
Source: Nokia
Presented: Mr. Jari Jansson, Nokia
Discussion:

- Some editorial corrections with spelling
- Cover sheet: consequences if not approved have be fill up.
- Mirror Rel-4 CR N4-010597 is agreed
- Nortel Networks needs more time to evaluate the conditions, however they will allow to proceed with the approval with the explicit opportunity to come back on this during the CN Plenary.

Decision: Agreed

Document: N4-010598
Title: Addition of allowed GSM algorithms indication to the handover procedures

Source: Nokia
Presented: Mr. Jari Jansson, Nokia
Discussion:

- Some editorial corrections with spelling
- Mirror Rel-4 CR **N4-010599** is agreed

Decision: Agreed

Document: **N4-010602**
Title: Addition of allowed GSM algorithms indication to the handover procedures
Source: Nokia
Presented: Mr. Jari Jansson, Nokia
Discussion:

- Some editorial corrections with spelling
- Cover sheet: consequences if not approved have be fill
- Mirror Rel-4 CR **N4-010603** is agreed

Decision: Agreed

10.5 Multicall

Document: **N4-010604**
Title: Addition of radio resource list to the handover procedures
Source: Nokia
Presented: Mr. Jari Jansson, Nokia
Discussion:

- Nokia will clarify if there are some linked Crs from CN1
 - o No linked CR is needed

Decision: Revised Tdoc N4-010738

Document: **N4-010738**
Title: Addition of radio resource list to the handover procedures
Source: Nokia
Presented: Mr. Jari Jansson, Nokia
Discussion:

- Mirror Rel-4 CR **N4-010739** is agreed

Decision: Agreed

Document: **N4-010505**
Title: Subsequent handover/relocation of a Multicall in 3G-MSC B
Source: Nokia
Presented: Mr. Jari Jansson, Nokia
Discussion:

- NTT: MAP_PROCESS_ACCESS_SIGNALLING_REQUEST shouldn't use in this case
 - o Siemens: We are talking intra MSC handover -> request is needed.

Decision: Agreed

Document: **N4-010663**
Title: Introduction of selected Rab-id to the Process Access Signalling operation
Source: Nokia
Presented: Mr. Jari Jansson, Nokia
Discussion:

- Editorial corrections made.
- Modification to the description of RAB ID changed.
- ASN.1 changed and open question why this capability is related only to multi call

Decision: Revised Tdoc N4-010740

Document: **N4-010740**

Title: Introduction of selected Rab-id to the Process Access Signalling operation
Source: Nokia
Presented: Mr. Jari Jansson, Nokia
Discussion:
- Also mirror Rel-4 CR **N4-010741** is agreed

Decision: Agreed

Document: **N4-010700**
Title: Addition of the description for Multicall missing from 24.080
Source: Nokia
Presented: Mr. Jari Jansson, Nokia
Discussion:
- Checking have to do with current version of specification

Decision: Revised Tdoc N4-010742

Document: **N4-010742**
Title: Addition of the description for Multicall missing from 24.080
Source: Nokia
Presented: Mr. Jari Jansson, Nokia
Discussion:
- Also mirror Rel-4 CR **N4-010743** is agreed

Decision: Agreed

10.6 LCS

Document: **N4-010512**
Title: Alignment between MAP, RANAP and BSSMAP to support Geographical Area Description shapes defined in GAD 03.32/23.032
Source: S2
Presented: Mr. Pompeo Santoro, Ericsson
Discussion:
-

Decision: Noted

Document: **N4-010569**
Title: Answer to LS: Alignment between MAP, RANAP and BSSMAP to support Geographical Area Description shapes defined in GAD 03.32/23.032
Source: R3
Presented: Mr. Pompeo Santoro, Ericsson
Discussion:
-

Decision: Noted

Document: **N4-010716**
Title: Discussion On Full Support Of 23.032 GAD Shapes In Core Network
Source: Ericsson
Presented: Mr. Pompeo Santoro, Ericsson
Discussion:
-

Decision: Noted

Document: **N4-010539**
Title: Add support in MAP for all shapes defined in 23.032
Source: Ericsson
Presented: Mr. Pompeo Santoro, Ericsson
Discussion:

- Modification will be made and revision present later during the meeting

Decision: Revised Tdoc N4-010747

Document: **N4-010747**
Title: Add support in MAP for all shapes defined in 23.032
Source: Ericsson
Presented: Mr. Pompeo Santoro, Ericsson
Discussion:

Decision: Revised Tdoc N4-010781

Document: **N4-010781**
Title: Add support in MAP for all shapes defined in 23.032
Source: Ericsson
Presented: Mr. Pompeo Santoro, Ericsson
Discussion:

- Comments raised to the provideSubscriberRes message.

Decision: Revised Tdoc N4-010788

Document: **N4-010786**
Title: Add support in MAP for all shapes defined in 23.032
Source: Ericsson
Presented: Mr. Pompeo Santoro, Ericsson
Discussion:

- Also mirror CR **N4-010787** approved

Decision: Approved

Document: **N4-010537**
Title: Add support in DTAP for all shapes defined in 23.032
Source: Ericsson
Presented: Mr. Pompeo Santoro, Ericsson
Discussion:

- Also mirror Rel-4 CR **N4-010538** is agreed

Decision: Agreed

Document: **N4-010535**
Title: Handle new parameters in LCS-MOLR
Source: Ericsson
Presented: Mr. Pompeo Santoro, Ericsson
Discussion:

- Also mirror Rel-4 CR **N4-010536** is agreed
- Editorial modifications made. No revised tdoc-number needed

Decision: Agreed

Document: **N4-010549**
Title: Add support in MAP for Ellipsoid point
Source: Ericsson
Presented: Mr. Pompeo Santoro, Ericsson
Discussion:

- Also mirror R99 & Rel-4 CRs **N4-010550 & N4-010551** are agreed

Decision: Agreed

Document: **N4-010541**
Title: Mapping between RANAP and BSSMAP for Location Services
Source: Ericsson
Presented: Mr. Pompeo Santoro, Ericsson
Discussion:

- Small editorial corrections made.
- Quotes corrected (straight)

Decision: Revised in to parts: N4-010753 & N4-010754

Document: **N4-010753**
Title: Mapping between RANAP and BSSMAP for Location Services
Source: Ericsson
Presented: No presentation
Discussion:

Decision: Agreed

Document: **N4-010754**
Title: Mapping between RANAP and BSSMAP for Location Services
Source: Ericsson
Presented: No presentation
Discussion:

- If CR 29.010 - 018 is rejected then this CR fall

Decision: Agreed

Document: **N4-010542**
Title: Mapping between RANAP and BSSMAP for Location Services
Source: Ericsson
Presented: Mr. Pompeo Santoro, Ericsson
Discussion:

- Small editorial corrections made.
- Quotes corrected (straight)

Decision: Revised in to parts: N4-010751 & N4-010752

Document: **N4-010751**
Title: Mapping between RANAP and BSSMAP for Location Services
Source: Ericsson
Presented: No presentation
Discussion:

-

Decision: Agreed

Document: **N4-010752**
Title: Mapping between RANAP and BSSMAP for Location Services
Source: Ericsson
Presented: No presentation
Discussion:

- If CR 29.010 - 018 is rejected then this CR fall

Decision: Agreed

10.7 LCS

10.7.1 Call Forwarding

Document: **N4-010655**
Title: Interworking cases for long forwarded-to numbers
Source: Ericsson
Presented: Mr. Miguel Angolo, Ericsson
Discussion:

- Also mirror Rel-4 CR **N4-010656** is agreed

Decision: Agreed

10.7.2 Super Charger

Document: N4-010707

Title: Essential drawbacks on services due to introduction of Super-Charger function

Source: Ericsson

Presented: Mr. Pompeo Santoro, Ericsson

Discussion:

- Need to modify the HLR SDL description
- Retrieve SGSN Context

Decision: Revised Tdoc N4-010760

Document: N4-010760

Title: Essential drawbacks on services due to introduction of Super-Charger function

Source: Ericsson

Presented: Mr. Pompeo Santoro, Ericsson

Discussion:

-

Decision: Revised Tdoc N4-010764

Document: N4-010764

Title: Essential drawbacks on services due to introduction of Super-Charger function

Source: Ericsson

Presented: Mr. Pompeo Santoro, Ericsson

Discussion:

- Have to make equal to Rel-4 CR.
- Also mirror Rel-4 CR **N4-010765** is revisedagreed

Decision: Revised after meeting (A comment from Lucent)Agreed

Document: N4-010779

Title: Essential drawbacks on services due to introduction of Super-Charger function

Source: Ericsson

Presented: Mr. Pompeo Santoro, Ericsson

Discussion:

- A word "NO" added into sentence in section 6.1 and 6.3
- Also mirror Rel-4 CR **N4-010780** is agreed

Decision: Agreed

Document: N4-010762

Title: Essential drawbacks on services due to introduction of Super-Charger function

Source: Ericsson

Presented: Mr. Pompeo Santoro, Ericsson

Discussion:

Decision: Revised Tdoc N4-010766

Document: N4-010766

Title: Essential drawbacks on services due to introduction of Super-Charger function

Source: Ericsson

Presented: Mr. Pompeo Santoro, Ericsson

Discussion:

- Also mirror Rel-4 CR **N4-010767** is agreed

Decision: Agreed

10.7.3 eMLPP

Document: N4-010579

Title: Reconsideration of R99 eMLPP solution
Source: Ericsson
Presented: Ms. Elena Garcia-Mendive, Ericsson
Discussion:

Decision: Noted

Document: **N4-010580**
Title: Remove the statement when MS receives no priority granted
Source: Ericsson
Presented: Ms. Elena Garcia-Mendive, Ericsson
Discussion:

- Re-wording made

Decision: Revised Tdoc N4-010769

Document: **N4-010769**
Title: Remove the statement when MS receives no priority granted
Source: Ericsson
Presented: Ms. Elena Garcia-Mendive, Ericsson
Discussion:

- Also mirror Rel-4 CR **N4-010770** is agreed

Decision: Agreed

Document: **N4-010582**
Title: Remove the statement when MS receives no priority granted
Source: Ericsson
Presented: Ms. Elena Garcia-Mendive, Ericsson
Discussion:

- Also mirror Rel-4 CR **N4-010583** is agreed

Decision: Agreed

10.7.4 MAP - Call Handling

Document: **N4-010636**
Title: Addition of indication of number of Send Routing Info result segments
Source: Nokia
Presented: Mr. Jari Jansson, Nokia
Discussion:

- CN4 endorsed principals of the document
- Some other modification are still needed
 - o SDLs required to be modified
 - o Lower layer functionality needs to be checked
- New version of CR will be drafted to CN4#09

Decision: postponed

10.7.5 USSD

Document: **N4-010641**
Title: Editorial modifications on ASN.1 definitions of NW initiated USSD operations
Source: NTT
Presented: Mr. Kazuo Mitamura, NTT
Discussion:

- Unidentified IMSI is recognized in the MAP Open procedure. Therefore, it would be better to align the SDL instead of ASN.1
- Postponed to next meeting

Decision: Postponed

10.7.6 Shared Network

Document: N4-010686
Title: Partial Roaming – restriction by Location area
Source: Hutchison 3G
Presented: Mr. Kevin Hobbis, Hutchison 3G
Discussion:

- It have to investigate: what are the impacts for 3GPP TS 23.012 and if there are some impacts to MAP?
 - o Hutchison don't believe there are any impacts to MAP
 - o No linked CRs are needed to TS 23.012
- Also mirror Rel-4 CR **N4-010687** is agreed

Decision: Agreed

11 Future Meetings

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

3GPP N4 Meeting	Date	Place	Host
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	Cancun, MEXICO	The North American Friends of 3GPP
N4#12	14-18 January 2002	???	???
N4#13	08-12 April	???	???
N4#14	13-17 May	???	???
N4#15	29 July-02 August 2002	Helsinki?	Sonera?
N4#16	23-27 September	???	???
N4#17	11-15 November	???	???

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 #	Agenda Item	Type	Title	Source	WI	CR#	Rev	Cat	Spec	Rel	Version
N4-010524	8.3	CR	Correction/Clarification of GGSN handling of Update PDP Context response	Nortel Networks	TEI	193		F	29.060	R99	3.8.0
N4-010525	8.3	CR	Correction/Clarification of GGSN handling of Update PDP Context response	Nortel Networks	TEI	194		A	29.060	Rel-4	4.0.0
N4-010529	8.3	CR	Correction due to wrongly implemented CR on the Error indication message	Lucent	CSSPLIT	195		F	29.060	R99	3.8.0
N4-010530	8.3	CR	Correction due to wrongly implemented CR on the Error indication message	Lucent	CSSPLIT	196		A	29.060	Rel-4	4.0.0
N4-010534	8.2	CR	Handling of MultiCall in MPTY procedure	Vodafone Group PLC	TEI	072		C	23.018	Rel-5	4.2.0
N4-010535	8.6	CR	Handle new parameters in LCS-MOLR	Ericsson	LCS	004		F	24.030	R99	3.1.0
N4-010536	8.6	CR	Handle new parameters in LCS-MOLR	Ericsson	LCS	005		A	24.030	Rel-4	4.0.0
N4-010537	8.6	CR	Add support in DTAP for all shapes defined in 23.032	Ericsson	LCS	007		F	24.080	R99	3.4.1
N4-010538	8.6	CR	Add support in DTAP for all shapes defined in 23.032	Ericsson	LCS	008		A	24.080	Rel-4	4.0.0
N4-010543	10.3	CR	RNC IP Address IE format	Ericsson, Lucent, Motorola, Nokia	GTP enhancement TEI	197		F	29.060	R99	3.8.0
N4-010544	10.3	CR	RNC IP Address IE format	Ericsson, Lucent, Motorola, Nokia	GTP enhancement TEI	198		A	29.060	Rel-4	4.0.0
N4-010549	8.6	CR	Add support in MAP for Ellipsoid point	Ericsson	LCS	A319		F	09.02	R98	7.8.0
N4-010550	8.6	CR	Add support in MAP for Ellipsoid point	Ericsson	LCS	265		A	29.002	R99	3.8.0
N4-010551	8.6	CR	Add support in MAP for Ellipsoid point	Ericsson	LCS	266		A	29.002	Rel-4	4.3.0
N4-010555	10.3	CR	Ambiguous text description of the CGF IE handling in the GTP create PDP context request message.	Lucent Technologies	GTP enhancement	206		F	29.060	R99	3.8.0
N4-010564	10.3	CR	GTP Message Treatment	Motorola	GTP Enhancement	207		F	29.060	R99	3.8.0
N4-010565	10.3	CR	GTP Message Treatment	Motorola	GTP Enhancement	208		A	29.060	Rel-4	4.0.0
N4-010582	10.7	CR	Remove the statement when MS receives no priority granted	Ericsson L.M.	TEI	004		F	24.067	R99	3.1.0
N4-010583	10.7	CR	Remove the statement when MS receives no priority granted	Ericsson L.M.	TEI	005		A	24.067	Rel-4	4.0.0
N4-010592	10.4	CR	Addition of selected UMTS algorithm indication to the handover procedures	Nokia	Handover	019		F	29.010	R99	3.5.0
N4-010593	10.4	CR	Addition of selected UMTS algorithm indication to the handover procedures	Nokia	Handover	020		A	29.010	REL-4	4.0.0
N4-010594	10.4	CR	Addition of selected GSM algorithm indication to the handover procedures	Nokia	Handover	021		F	29.010	R99	3.5.0
N4-010595	10.4	CR	Addition of selected GSM algorithm	Nokia	Handover	022		A	29.010	REL-4	4.0.0

			indication to the handover procedures								
N4-010596	10.4	CR	Addition of allowed UMTS algorithms indication to the handover procedures	Nokia	Handover	023		F	29.010	R99	3.5.0
N4-010597	10.4	CR	Addition of allowed UMTS algorithms indication to the handover procedures	Nokia	Handover	024		A	29.010	REL-4	4.0.0
N4-010598	10.4	CR	Addition of allowed GSM algorithms indication to the handover procedures	Nokia	Handover	025		F	29.010	R99	3.5.0
N4-010599	10.4	CR	Addition of allowed GSM algorithms indication to the handover procedures	Nokia	Handover	026		A	29.010	REL-4	4.0.0
N4-010602	10.4	CR	Addition of GSM channel type and GSM chosen channel indications to handover procedures	Nokia	Handover	027		F	29.010	R99	3.5.0
N4-010603	10.4	CR	Addition of GSM channel type and GSM chosen channel indications to handover procedures	Nokia	Handover	028		A	29.010	REL-4	4.0.0
N4-010632	10.4	CR	Correction to description of RNCId parameter	Nokia	Handover	269		F	29.002	R99	3.8.0
N4-010633	10.4	CR	Correction to description of RNCId parameter	Nokia	Handover	270		A	29.002	REL-4	4.3.0
N4-010634	10.4	CR	Correction to Encryption Information and Integrity Protection Information parameters	Nokia	Handover	271		F	29.002	R99	3.8.0
N4-010635	10.4	CR	Correction to Encryption Information and Integrity Protection Information parameters	Nokia	Handover	272		A	29.002	REL-4	4.3.0
N4-010644	6.6	CR	Default Codec For UMTS & GSM dual systems	Ericsson	OoBTC	025	-	F	23.153	REL4	4.1.0
N4-010655	7.6	CR	Interworking cases for long forwarded-to numbers	Ericsson	TEI	010		F	23.082	99	3.5.0
N4-010656	7.6	CR	Interworking cases for long forwarded-to numbers	Ericsson	TEI	011		A	23.082	4	4.0.0
N4-010660	10.3	CR	Alignment of the 29.060 with the 23.060 for the SRNS Relocation procedure	France Telecom	GTP Enhancement	22680		F	29.060 9 ₂	R99	3.8.0
N4-010661	10.3	CR	Alignment of the 29.060 with the 23.060 for the SRNS Relocation procedure	France Telecom	GTP Enhancement	22784		A	29.060 9 ₂	Rel-4	4.3.0
N4-010665	11	CR	OTDOA location method to be added	Nokia	LCS1	009		C	24.080	Rel-4	4.0.0
N4-010671		CR	Shift MAPsec to Rel-5	Siemens	Map Security	287		C	29.002	Rel-4	4.3.0
N4-010672	7.2	CR	Mistake in the definition of AFR Application Context	Ericsson	SEC1-EHCS	284		F	29.002	R99	3.8.0
N4-010673	7.2.	CR	CR number for Miguel	Ericsson	SEC1-EHCS	285		A	29.002	Rel-4	4.3.0
N4-010676	6.3	CR	23.205 R4 Section 8 & 13 Interworking Function, Codec Handling, and Voice Processing Function Alignment/Clean up	Tellabs	CSSPLIT	002	1	F	23.205	Rel-4	4.0.0
N4-010678	7.3	CR	Corrections to section 7 :Call Clearing	Vodafone	CSSPLIT	004	1	F	23.205	Rel-4	4.0.0
N4-010680	7.3	CR	Alignment of Procedure names to TS 29.232	Vodafone	CSSPLIT	006	1	F	23.205	Rel-4	4.0.0
N4-010683	7.3	CR	Clarification of Use of UP version property in 3GUP package	Siemens	CSSPLIT	024	1	F	23.153	Rel4	4.1.0
N4-010686	10.7	CR	Partial Roaming – restriction by Location area	Hutchison 3g	TEI	029		F	29.010	R99	3.5.0
N4-010687	10.7	CR	Partial Roaming – restriction by Location area	Hutchison 3g	TEI	030		A	29.010	Rel-4	4.0.0
N4-010689	6.3	CR	Text encoding of codec information on Mc	Nortel Networks	CSSPLIT	001	1	F	29.232	Rel-4	4.0.0

			interface								
N4-010691	7.3	CR	Role of MSC server in FP UP version negotiation for TrFO.	Siemens	CSSPLIT	007	1	F	29.232	Rel4	4.0.0
N4-010692	7.3	CR	Clarifications in 3GUP package	Siemens	CSSPLIT	006	3	F	29.232	Rel4	4.0.0
N4-010693	6.3	CR	Updates to UP Relay Function, Appendix A	Siemens, Ericsson	CSSPLIT	008	1	F	29.232	REL4	4.0.0
N4-010694	7.3	CR	Editorial corrections to TS 23.205 and Q.1950	Vodafone	CSSPLIT	005	1	F	29.232	Rel-4	4.0.0
N4-010698	8.2	CR	Handling of MultiCall in MPTY procedure	Vodafone Group PLC	TEI	004	1	C	23.084	Rel-5	4.0.0
N4-010699	8.2	CR	New Subsystem Number for the Position Calculation Application Part on the lupc interface	Qualcomm	LCS-INTF	029	1	B	23.003	Rel-5	4.0.0
N4-010706	7.3	CR	Changes to provide interworking between signalling transport	Ericsson L.M.	CSSPLIT	001	1	F	29.205	Rel-4	4.0.0
N4-010712	10.3	CR	Clarification of the handling of Version Not Supported; Supported Extensions Headers and Error notification messages	Lucent Technologies	GTP enhancement	203	1	F	29.060	R99	3.8.0
N4-010713	10.3	CR	Clarification of the handling of Version Not Supported; Supported Extensions Headers and Error notification messages	Lucent Technologies	GTP enhancement	220		A	29.060	R99	4.0.0
N4-010714	10.3	CR	Removal of the useless "version not supported" cause code from GTP messages	Lucent Technologies	GTP enhancement	221		A	29.060	Rel-4	4.0.0
N4-010715	10.3	CR	Removal of the useless "version not supported" cause code from GTP messages	Lucent Technologies	GTP enhancement	204	1	F	29.060	R99	3.8.0
N4-010721	10.3	CR	Ambiguous text description of the CGF IE handling in the GTP create PDP context request message.	Lucent Technologies	GTP enhancement	222		A	29.060	Rel-4	4.0.0
N4-010722		CR	Initialisation of variable to monitor activation of CSI's	CN2	Camel 3	073		F	23.018	R99	3.7.0
N4-010723		CR	Initialisation of variable to monitor activation of CSI's	CN2	Camel 3	074		A	23.018	Rel-4	4.0.0
N4-010724	10.3	CR	Remove reference to TS03.22 and others	Motorola	GTP EnhancementTEI	A052	1	F	03.03	R98	7.5.0
N4-010725	10.3	CR	Remove reference to TS23.022 and others	Motorola	GRPS EnhancementTEI	027	1	A	23.003	R99	3.8.0
N4-010726	10.3	CR	Remove reference to TS23.022 and others	Motorola	GRPS EnhancementTEI	028	1	A	23.003	Rel-4	4.0.0
N4-010727	10.4	CR	Addition of selected UMTS algorithm indication to the handover procedures	Nokia	Handover	225	3	F	29.002	R99	3.8.0
N4-010728	10.4	CR	Addition of selected UMTS algorithm indication to the handover procedures	Nokia	Handover	239	3	A	29.002	REL-4	4.3.0
N4-010729	10.4	CR	Addition of allowed GSM algorithms indication to the handover procedures	Nokia	Handover	226	4	F	29.002	R99	3.8.0
N4-010730	10.4	CR	Addition of allowed GSM algorithms indication to the handover procedures	Nokia	Handover	241	3	A	29.002	REL-4	4.3.0
N4-010732	10.4	CR	Addition of allowed UMTS algorithms indication to the handover procedures	Nokia	Handover	242	3	F	29.002	R99	3.8.0
N4-010733	10.4	CR	Addition of allowed UMTS algorithms indication to the handover procedures	Nokia	Handover	244	3	A	29.002	REL-4	4.3.0

N4-010734	10.4	CR	Addition of selected GSM algorithm indication to the handover procedures	Nokia	Handover	243	3	F	29.002	R99	3.8.0
N4-010735	10.4	CR	Addition of selected GSM algorithm indication to the handover procedures	Nokia	Handover	245	3	A	29.002	REL-4	4.3.0
N4-010736	10.4	CR	Addition of GSM channel type and GSM chosen channel indications to handover procedures	Nokia	Handover	255	2	F	29.002	R99	3.8.0
N4-010737	10.4	CR	Addition of GSM channel type and GSM chosen channel indications to handover procedures	Nokia	Handover	256	2	A	29.002	REL-4	4.3.0
N4-010738	10.5	CR	Addition of radio resource list to the handover procedures	Nokia	Multicall	253	2	F	29.002	R99	3.8.0
N4-010739	10.5	CR	Addition of radio resource list to the handover procedures	Nokia	Multicall	254	2	A	29.002	REL-4	4.3.0
N4-010740	11	CR	Introduction of selected Rab-id to the Process Access Signalling operation	Nokia	Multicall	282	1	F	29.002	R99	3.8.0
N4-010741	11	CR	Introduction of selected Rab-id to the Process Access Signalling operation	Nokia	Multicall	283	1	A	29.002	REL-4	4.3.0
N4-010742	11	CR	Addition of the description for Multicall missing from 24.080	Nokia	Multicall	010	1	F	24.080	R99	3.4.0
N4-010743	11	CR	Addition of the description for Multicall missing from 24.080	Nokia	Multicall	011	1	A	24.080	REL-4	4.0.0
N4-010744		CR	Supported CAMEL Phases in VLR is temporary	CN2	Camel3	0365		F	23.008	R99	3.5.0
N4-010745		CR	Supported CAMEL Phases in VLR is temporary	CN2	Camel3	0376		A	23.008	Rel-4	4.0.0
N4-010746	7.3	CR	ATM-IP signalling transport Interworking	Ericsson L.M.	CSSPLIT	004	2	F	29.232	Rel-4	4.0.0
N4-010751	8.6	CR	Mapping between RANAP and BSSMAP for Location Services (Part of N4-010542)	Ericsson	LCS4	018	1	A	29.010	Rel-4	4.1.0
N4-010752	8.6	CR	Mapping between RANAP and BSSMAP for Location Services (Part of N4-010542)	Ericsson	LCS4	031		A	29.010	Rel-4	4.1.0
N4-010753	8.6	CR	Mapping between RANAP and BSSMAP for Location Services (Part of N4-010541)	Ericsson	LCS	017	1	F	29.010	R99	3.5.0
N4-010754	8.6	CR	Mapping between RANAP and BSSMAP for Location Services (Part of N4-010541)	Ericsson	LCS	032		F	29.010	R99	3.5.0
N4-010755	10.7	CR	Corrections of references	Alcatel	TEI	034	32	F	23.008	R99	3.5.0
N4-010756	10.7	CR	Corrections of references	Alcatel	TEI	035	32	A	23.008	Rel-4	4.0.0
N4-0107964	10.7	CR	Essential drawbacks on services due to introduction of Super-Charger function	Ericsson	TEI	001	3	F	23.116	R99	3.0.0
N4-01078065	10.7	CR	Essential drawbacks on services due to introduction of Super-Charger function	Ericsson	TEI	002	3	A	23.116	Rel-4	4.0.0
N4-010766	10.7	CR	Essential drawbacks on services due to introduction of Super-Charger function	Ericsson	TEI	278	3	F	29.002	R99	3.8.0
N4-010767	10.7	CR	Essential drawbacks on services due to introduction of Super-Charger function	Ericsson	TEI	279	3	A	29.002	Rel-4	4.3.0
N4-010769	10.7	CR	Remove the statement when MS receives no priority granted	Ericsson L.M.	TEI	009	1	F	23.067	R99	3.2.0
N4-010770	10.7	CR	Remove the statement when MS receives no priority granted	Ericsson L.M.	TEI	010	1	A	23.067	Rel-4	4.0.0
N4-010783	6.1	CR	MS presence notification procedure for LCS	Fujitsu,	LCS1	268	32	B	29.002	Rel-4	4.3.0

				NTC							
N4-010785	7.2	CR	Additional Parameters in Authentication Failure Report	Ericsson	SEC1-EHCS	267	3	C	29.002	Rel-4	4.3.0
N4-010786	8.6	CR	Add support in MAP for all shapes defined in 23.032	Ericsson	LCS	263	3	F	29.002	R99	3.8.0
N4-010787	8.6	CR	Add support in MAP for all shapes defined in 23.032	Ericsson	LCS	264	3	A	29.002	Rel-4	4.3.0

12.2 Liaison Statements

The following Liaison Statements were agreed to be sent by CN4 #08 meeting:

TDOC N4-00xxxx	Subject	To	Cc	Attachment	Sent
N4-010669	Map Security	SA3			28 May 2001
N4-010677	Liaison Statement on " Updating Subscriber and equipment trace (GSM 12.08)"	SA5			28 May 2001
N4-010695	Liaison Statement on "lu UP version negotiation"	RAN3, CN3			28 May 2001
N4-010696	Liaison Statement reply to RAN3 on on Highlighting Requirements to RAN3 for SRNS relocation with TrFO	RAN3, SA	CN, RAN	S2-002000, 3GPP TS 23.153 v 4.1.0	28 May 2001 Re-sent 30 May
N4-010702	Liaison Statement reply to CN1 on Introduction of AMR-WB	CN, CN1	SA4, GERAN		28 May 2001
N4-010705	Liaison Statement reply to " LS on consistent description regarding the use of Charging Characteristics"	SA5	SA, SA2		28 May 2001
N4-010788	Liaison Statement reply to SA4 on Introduction of Codec Type UMTS_AMR_2	SA4	CN, CN1	N4-010644	28 May 2001 Re-sent 30 May

12.3 TS/TRs

Tdoc #	Tdoc Title
N4-010666	TR 29.903 Version 0.1.0 - Feasibility Study on SS7 Signalling transport in the core network with SUA
N4-010697	Draft TS 29.228 Version 0.1.0 – Cx Interface

12.4 WIs

Tdoc #	Tdoc Title
N4-010703	Revised WI for the SUA Feasibility Study

Annex A : Participants

Member of 3GPP (ETSI)

Miss Suzanne Arcens	QUALCOMM EUROPE S.A.R.L.	3GPPMEMBER (ETSI)	FR +1 408 626 4431	sarcens@qualcomm.com
Dr. Thomas Belling	SIEMENS AG	3GPPMEMBER (ETSI)	DE +49 89 722 47315	Thomas.Belling@icn.siemens.de
Mr. Alessio Casati	Lucent Technologies N. S. UK	3GPPMEMBER (ETSI)	GB +44 1793 883861	acasati@lucent.com
Dr. Giuseppe Catalano	TELECOM ITALIA S.p.A.	3GPPMEMBER (ETSI)	IT +390112287596	giuseppe.catalano@tilab.com
Mr. Balazs Czoma	SIEMENS AG	3GPPMEMBER (ETSI)	CA +1 613 271 7764	Balazs.Czoma@tic.siemens.ca
Mr. Edzo De Vries	Lucent Technologies EMEA B.V.	3GPPMEMBER (ETSI)	NL +31 35 6872313	eedvries@lucent.com
Mr. François Dronne	France Telecom	3GPPMEMBER (ETSI)	FR +33 1 45 29 62 74	francois.dronne@francetelecom.fr
Ms. Elena Garcia-Mendive	ERICSSON L.M.	3GPPMEMBER (ETSI)	DE +49 2407 575 205	elena.garcia-mendive@eed.ericsson.se
Mr. Kevin Gorey	NORTEL NETWORKS (EUROPE)	3GPPMEMBER (ETSI)	GB +44 1628 434 606	kgorey@nortelnetworks.com
Mr. Kevan Hobbis	Hutchison 3G UK Limited	3GPPMEMBER (ETSI)	GB +44 7790 771069	Kevan.Hobbis@hutchison.com
Mr. Phil Hodges	ERICSSON L.M.	3GPPMEMBER (ETSI)	DE +49 2407 575 982	phil.hodges@ericsson.se
Mr. Yun-Chao Hu	ERICSSON L.M.	3GPPMEMBER (ETSI)	SE +46 8 508 78153	yun-chao.hu@era.ericsson.se
Ms. Jane D Humphrey	MARCONI COMMUNICATIONS	3GPPMEMBER (ETSI)	GB +44 1202 853757	jane.humphrey@marconi.com
Mr. Jari Jansson	NOKIA Corporation	3GPPMEMBER (ETSI)	FI +358 40 5550719	jari.jansson@nokia.com
Mr. Seppo Kauntola	NOKIA Corporation	3GPPMEMBER (ETSI)	FI +358405569959	seppo.kauntola@nokia.com
Mr. Klaus Mäkeläinen	SONERA Corporation	3GPPMEMBER (ETSI)	FI +358204063246	klaus.makelainen@sonera.com
Miss Virginie Mouton	NOKIA Corporation virginie.mouton@nokia.com	3GPPMEMBER (ETSI)	FI +358 0 50 568 9933	
Mr. Einar Oltedal	ERICSSON L.M.	3GPPMEMBER (ETSI)	NO +47 372 93762	einar.oltedal@eto.ericsson.se

Mr. Miguel Pallares	ERICSSON L.M.	3GPPMEMBER (ETSI)	SE +34 913394222	miguel-angel.pallares-lopez@ece.ericss
Mr. Ian David Chalmers Park	VODAFONE Group Plc	3GPPMEMBER (ETSI)	GB +44 1635 673 527	ian.park@vf.vodafone.co.uk
Mr. Pompeo Santoro	ERICSSON L.M.	3GPPMEMBER (ETSI)	SE +39 081 5147721	pompeo.santoro@tei.ericsson.se
Mr. Peter Schmitt	SIEMENS AG	3GPPMEMBER (ETSI)	DE +49 6621 169152	peter.schmitt@icn.siemens.de
Mr. David.G Smith	BT	3GPPMEMBER (ETSI)	GB +44 1 473 605441	david.g.smith@bt.com
Mr. Ulrich Wiehe	SIEMENS AG	3GPPMEMBER (ETSI)	DE +49 6621 169 139	ulrich.wiehe@icn.siemens.de
Mr. Peter Wild	MANNESMANN Mobilfunk GmbH	3GPPMEMBER (ETSI)	DE +49 211 533 3798	peter.wild@d2vodafone.de
Mrs. Johanna Wild	MOTOROLA GmbH	3GPPMEMBER (ETSI)	US +49 89 92103	johanna.wild@motorola.com
Mr. Brian Yarger	TELLABS Ltd	3GPPMEMBER (ETSI)	US +1 630 378 6959	brian.yarger@tellabs.com
Mr. Michael Young	MOTOROLA Ltd	3GPPMEMBER (ETSI)	CA +1 604 241 6032	michael.young@motorola.com
Dr. James Yu	NeuStar Inc.	3GPPMEMBER (ETSI)	US +1 202 533 2814	james.yu@neustar.com
Member of 3GPP (T1)				
Mr. Stephen Hayes	Ericsson Inc.	3GPPMEMBER (T1)	US +1 972 583 5773	stephen.hayes@ericsson.com
Mr. John Menard	Lucent Technologies	3GPPMEMBER (T1)	US +1 630 979 6376	jmenard@lucent.com
Mr. Srinivas Miriyala	Motorola Inc.	3GPPMEMBER (T1)	US +1 817-245-2358	fsm016@email.mot.com
Mr. Vinod Pandey	Cisco Systems Inc.	3GPPMEMBER (T1)	US +1 408 853 9596	vpandey@cisco.com
Member of 3GPP (TTC)				
Mr. Shinichiro Aikawa	Fujitsu Limited	3GPPMEMBER (TTC)	JP +81 44 754 4196	aikawa@ss.ts.fujitsu.co.jp
Mr. Kazuo Mitamura	NTT Communication Ware Corp.	3GPPMEMBER (TTC)	JP +81 43 211 2707	mitamura.kazuo@nttcom.co.jp
Miss Miyuki Soejima	Nippon Telecommunications	3GPPMEMBER (TTC)	JP +81 44 900 7313	miyuki@mob.ntc.co.jp
Mr. Toshiyuki Tamura	NEC Corporation	3GPPMEMBER (TTC)	JP +81 471 85 6706	tamurato@aj.jp.nec.com
Organisation partner representative (ETSI)				
Mr. Kimmo Kymalainen	Mobile Competence Center	FR	+33 4 92 94 42 38	kimmo.kymalainen@etsi.f

Annex B: List of Temporary Documents

Tdoc n° 3GPP	List of Temporary Documents	Source	Status
N4-010501	Agenda	Chairman	Agreed
N4-010502	Tdoc allocation	Chairman	Revised N4-010667
N4-010503	CN4#07 Meeting Report – Sophia Antipolis	MCC	Approved
N4-010504	Deletion of WIs with impact on other TSGs	CN	Noted
N4-010505	subsequent handover/relocation of a Multicall in 3G-MSC B	CN1	Noted
N4-010506	Introduction of AMR-WB	CN1	Noted
N4-010507	GPRS work covering break in radio transmission	SA2 SIP joint meeting	Postponed tp CN4#09
N4-010508	Answer LS on Highlighting Requirements to RAN3 for SRNS relocation with TrFO	R3	Noted
N4-010509	Reply to: Answer to LS on Working Assumptions made by N3 for the new TS 29.415 "Core Network Nb User Plane protocols"	R3	Noted
N4-010510	Reply LS on Joint Mobility Management session for GERAN	S2	Noted
N4-010511	Liaison Statement on IMS Service Provision	S2	Noted
N4-010512	Alignment between MAP, RANAP and BSSMAP to support Geographical Area Description shapes defined in GAD 03.32/23.032	S2	Noted
N4-010513	Move of TS 33.200 - Network Domain Security from Rel-4 to Rel-5	S3	Noted
N4-010514	LS to CN4 on Additional Parameters in AFR procedure	S3	Noted
N4-010515	Clarification on positive authentication report	S3	Noted
N4-010516	LS Reply on Codec Type UMTS_AMR_2	S4	Noted
N4-010517	LS on consistent description regarding the use of Charging Characteristics	S5	Noted
N4-010518	New H.248 Packages Implementors' Guide and Review Procedure	Rapporteur group meeting for Q.3/16	Noted
N4-010519	CN#11 Meeting report	MCC	Revised Tdoc N4-010657
N4-010520	3GPP Encoding of TDM Bearer Service Characteristics on Mc interface	Nortel Networks	Withdrawn
N4-010521	Text encoding of codec information on Mc interface	Nortel Networks	Revised Tdoc N4-010689
N4-010522	3GPP Encoding of TDM Bearer Service Characteristics on Mc interface	Nortel Networks	Revised Tdoc N4-010688
N4-010523	Cx interface – stage 2	Nortel Networks	Withdrawn
N4-010524	Correction/Clarification of GGSN handling of Update PDP Context response	Nortel Networks	Agreed
N4-010525	Correction/Clarification of GGSN handling of Update PDP Context response	Nortel Networks	Agreed
N4-010526	23.205 R4 Section 8 & 13 Interworking Function, Codec Handling, and Voice Processing Function Alignment/Clean up	Tellabs	Revised Tdoc N4-010676
N4-010527	23.205 R5 Section 8 & 13 Interworking Function, Codec Handling, and Voice Processing Function Alignment/Clean up	Tellabs	Withdrawn
N4-010528	Interworking cases for Long Forwarded-to Numbers	Ericsson L.M.	Withdraw
N4-010529	Correction due to wrongly implemented CR on the Error indication message	Lucent	Agreed
N4-010530	Correction due to wrongly implemented CR on the Error indication message	Lucent	Agreed
N4-010531	CN#11 meeting affects for CN4	Chairman	Noted
N4-010532	TSG WG CN4 meetings 2002 (Draft)	Chairman	Noted
N4-010533	Handling of MultiCall in MPTY procedure	Vodafone Group PLC	Revised Tdoc N4-010698
N4-010534	Handling of MultiCall in MPTY procedure	Vodafone Group PLC	Agreed
N4-010535	Handle new parameters in LCS-MOLR	Ericsson	Agreed
N4-010536	Handle new parameters in LCS-MOLR	Ericsson	Agreed
N4-010537	Add support in DTAP for all shapes defined in 23.032	Ericsson	Agreed
N4-010538	Add support in DTAP for all shapes defined in 23.032	Ericsson	Agreed
N4-010539	Add support in MAP for all shapes defined in 23.032	Ericsson	Revised Tdoc N4-010747
N4-010540	Add support in MAP for all shapes defined in 23.032	Ericsson	Revised Tdoc N4-010748
N4-010541	Mapping between RANAP and BSSMAP for Location Services	Ericsson	Revised to tdoc N4-010751 & N4-010752
N4-010542	Mapping between RANAP and BSSMAP for Location Services	Ericsson	Revised Tdoc N4-010753 & N4-010754
N4-010543	RNC IP Address IE format	Ericsson, Lucent, Motorola, Nokia	Agreed
N4-010544	RNC IP Address IE format	Ericsson, Lucent, Motorola, Nokia	Agreed

N4-010545	Supporting multiple IP addressing in the SGSN Context Acknowledge message	Ericsson, Lucent, Motorola, Nokia	Revised Tdoc N4-010684
N4-010546	Supporting multiple IP addressing in the SGSN Context Acknowledge message	Ericsson, Lucent, Motorola, Nokia	Revised Tdoc N4-010685
N4-010547	Clarification to PDU Notification Request	Nokia, NTT DoCoMo	Withdraw
N4-010548	Clarification to PDU Notification Request	Nokia, NTT DoCoMo	Withdraw
N4-010549	Add support in MAP for Ellipsoid point	Ericsson	Agreed
N4-010550	Add support in MAP for Ellipsoid point	Ericsson	Agreed
N4-010551	Add support in MAP for Ellipsoid point	Ericsson	Agreed
N4-010552	Clarification of the handling of Version Not Supported; Supported Extensions Headers and Error notification messages	Lucent Technologies	Revised Tdoc N4-010712
N4-010553	Removal of the useless "version not supported" cause code from GTP messages	Lucent Technologies	Revised Tdoc N4-010715
N4-010554	Clarification of the Path failure handling	Lucent Technologies	Rejected
N4-010555	Ambiguous text description of the CGF IE handling in the GTP create PDP context request message.	Lucent Technologies	Agreed
N4-010556	Addition of the trace package	Nokia	Postponed
N4-010557	Subscriber and equipment trace	Nokia	Postponed
N4-010558	Diameter "User" Sessions on Cx	Nokia	Noted
N4-010559	General Principles on using Diameter	Nokia	Noted
N4-010560	Version management on Cx	Nokia	Withdrawn
N4-010561	Corrective phase3 CR against 23.008	Alcatel	Revised Tdoc N4-010709
N4-010562	Corrective phase3 CR against 23.008	Alcatel	Revised Tdoc N4-010710
N4-010563	Feasibility Study on SS7 Signalling transport in the core network with SUA	Cisco, Motorola	Revised Tdoc N4-010666
N4-010564	GTP Message Treatment	Motorola	Agreed
N4-010565	GTP Message Treatment	Motorola	Agreed
N4-010566	Remove reference to TS23.022 and others	Motorola	Revised tdoc N4-010725
N4-010567	Remove reference to TS23.022 and others	Motorola	Revised Tdoc N4-010726
N4-010568	Modification of Inter-SGSN Relocation Cancel	Motorola	Withdrawn
N4-010569	Answer to LS: Alignment between MAP, RANAP and BSSMAP to support Geographical Area Description shapes defined in GAD 03.32/23.032	R3	Noted
N4-010570	LS on Protocol Stack for an IP based lu-cs	R3	Noted
N4-010571	MAP security	S3 ad hoc on network domain security	Noted
N4-010572	Nomination of Mr. Peter Schmitt	Siemens	Noted
N4-010573	Nomination of Mr. Ian Park	Vodafone	Noted
N4-010574	Nomination of Mr. Toshiyuki Tamura	NEC	Noted
N4-010575	Remove GGSN control plane address from "Update PDP Context Response" message	Alcatel	Rejected
N4-010576	Remove GGSN control plane address from "Update PDP Context Response" message	Alcatel	Withdrawn
N4-010577	Changes to provide interworking between signalling transport	Ericsson L.M.	Revised Tdoc N4-010706
N4-010578	ATM-IP signalling transport Interworking	Ericsson L.M.	Revised Tdoc N4-010652
N4-010579	Reconsideration of R99 eMLPP solution	Ericsson L.M.	Noted
N4-010580	Remove the statement when MS receives no priority granted	Ericsson L.M.	Revised Tdoc N4-010769
N4-010581	Remove the statement when MS receives no priority granted	Ericsson L.M.	Revised Tdoc N4-010770
N4-010582	Remove the statement when MS receives no priority granted	Ericsson L.M.	Agreed
N4-010583	Remove the statement when MS receives no priority granted	Ericsson L.M.	Agreed
N4-010584	Addition of selected UMTS algorithm indication to the handover procedures	Nokia	Revised tdoc N4-010727
N4-010585	Addition of selected UMTS algorithm indication to the handover procedures	Nokia	Revised Tdoc N4-010728
N4-010586	Addition of selected GSM algorithm indication to the handover procedures	Nokia	Revised Tdoc N4-010734
N4-010587	Addition of selected GSM algorithm indication to the handover procedures	Nokia	Revised Tdoc N4-010735
N4-010588	Addition of allowed UMTS algorithms indication to the handover procedures	Nokia	Revised tdoc N4-010732
N4-010589	Addition of allowed UMTS algorithms indication to the handover procedures	Nokia	Revised tdoc N4-010733
N4-010590	Addition of allowed GSM algorithms indication to the handover procedures	Nokia	Revised Tdoc N4-010729
N4-010591	Addition of allowed GSM algorithms indication to the handover procedures	Nokia	Revised Tdoc N4-010730

N4-010592	Addition of selected UMTS algorithm indication to the handover procedures	Nokia	Agreed
N4-010593	Addition of selected UMTS algorithm indication to the handover procedures	Nokia	Agreed
N4-010594	Addition of selected GSM algorithm indication to the handover procedures	Nokia	Agreed
N4-010595	Addition of selected GSM algorithm indication to the handover procedures	Nokia	Agreed
N4-010596	Addition of allowed UMTS algorithms indication to the handover procedures	Nokia	Agreed
N4-010597	Addition of allowed UMTS algorithms indication to the handover procedures	Nokia	Agreed
N4-010598	Addition of allowed GSM algorithms indication to the handover procedures	Nokia	Agreed
N4-010599	Addition of allowed GSM algorithms indication to the handover procedures	Nokia	Agreed
N4-010600	Addition of GSM channel type and GSM chosen channel indications to handover procedures	Nokia	Revised tdoc N4-010736
N4-010601	Addition of GSM channel type and GSM chosen channel indications to handover procedures	Nokia	Revised tdoc N4-010737
N4-010602	Addition of GSM channel type and GSM chosen channel indications to handover procedures	Nokia	Agreed
N4-010603	Addition of GSM channel type and GSM chosen channel indications to handover procedures	Nokia	Agreed
N4-010604	Addition of radio resource list to the handover procedures	Nokia	Revised Tdoc N4-010738
N4-010605	Addition of radio resource list to the handover procedures	Nokia	Revised Tdoc N4-010739
N4-010606	Scope of Cx i/f Specifications	Ericsson	Noted
N4-010607	Basis for the work in IETF related to Diameter	Ericsson	Endorsed
N4-010608	Additional Parameters in Authentication Failure Report	Ericsson	Revised tdoc N4-010674
N4-010609	Corrections to section 7 :Call Clearing	Vodafone	Revised tdoc N4-010678
N4-010610	Enhancements to CAMEL Announcement and User Interaction	Vodafone	Revised tdoc N4-010679
N4-010611	Alignment of Procedure names to TS 29.232	Vodafone	Revised tdoc N4-010680
N4-010612	Editorial corrections to TS 23.205	Vodafone	Withdraw
N4-010613	Editorial corrections to TS 23.205 and Q.1950	Vodafone	Revised tdoc N4-010694
N4-010614	Clarifications in 3GUP package	Siemens	Revised tdoc N4-010681
N4-010615	Clarifications in 3GUP package	Siemens	Revised tdoc N4-010682
N4-010616	Relationship of Inband lu FP version negotiation and out of band signalling	Siemens	Noted
N4-010617	Clarification of Use of UP version property in 3GUP package	Siemens	Revised tdoc N4-010683
N4-010618	Role of MSC server in FP UP version negotiation for TrFO.	Siemens	Revised tdoc N4-010691
N4-010619	Standards for Cx interface protocol description	Siemens	Revised tdoc N4-010697
N4-010620	3GPP requirements on the Diameter extension used for the Cx interface	Siemens	Noted
N4-010621	New Subsystem Number for the Position Calculation Application Part on the lupc interface	Qualcomm	Revised Tdoc N4-010699
N4-010622	MS Presence Notification Procedure for Rel-4	Fujitsu, NTC	Revised Tdoc N4-010653
N4-010623	MS presence notification procedure for LCS	Fujitsu, NTC	Revised Tdoc N4-010654
N4-010624	Mapping of IEs between GTP and GMM/SM	Ericsson	Withdrawn
N4-010625	Mapping of IEs between GTP and GMM/SM	Ericsson	Withdrawn
N4-010626	PDP Context handling at Inter SGSN RA Update	Ericsson	Rejected
N4-010627	PDP Context handling at Inter SGSN RA Update	Ericsson	Withdrawn
N4-010628	Suspend/Resume at Intersystem Change	Ericsson	Rejected
N4-010629	Suspend/Resume at Intersystem Change	Ericsson	On hold
N4-010630	Handling of UDP ports	Ericsson	Withdrawn
N4-010631	Handling of UDP ports	Ericsson	Withdrawn
N4-010632	Correction to description of RNCId parameter	Nokia	Agreed
N4-010633	Correction to description of RNCId parameter	Nokia	Agreed
N4-010634	Correction to Encryption Information and Integrity Protection Information parameters	Nokia	Agreed
N4-010635	Correction to Encryption Information and Integrity Protection Information parameters	Nokia	Agreed
N4-010636	Addition of indication of number of Send Routing Info result segments	Nokia	Postponed
N4-010637	Addition of indication of number of Send Routing Info result segments	Nokia	Withdrawn
N4-010638	Introduction of AMR-WB	Nokia	Noted
N4-010639	Remove reference to TS03.22 and others	Motorola	Postponed
N4-010640	Remove reference to TS03.22 and others	Motorola	Revised Tdoc N4-010724

N4-010641	Editorial modifications on ASN.1 definitions of NW initiated USSD operations	NTT COMWARE	Postponed
N4-010642	Editorial modifications on ASN.1 definitions of NW initiated USSD operations	NTT COMWARE	Withdrawn
N4-010643	Updates to UP Relay Function, Appendix A	Siemens, Ericsson	Revised Tdoc N4-010693
N4-010644	Default Codec For UMTS & GSM dual systems	Ericsson	Agreed
N4-010645	Discussion On Control Of Number Of Transcoding Stages	Ericsson	Endorsed
N4-010646	Discussion On Framing Protocol Indication In BICC	Ericsson	Endorsed
N4-010647	Completeness and consistency of the Cx interface operations definition	Motorola	Noted
N4-010648	Essential drawbacks on services due to introduction of Super-Charger function	Ericsson	Revised Tdoc N4-010707
N4-010649	Essential drawbacks on services due to introduction of Super-Charger function	Ericsson	Revised Tdoc N4-010708
N4-010650	Essential drawbacks on services due to introduction of Super-Charger function	Ericsson	Revised Tdoc N4-010658
N4-010651	Essential drawbacks on services due to introduction of Super-Charger function	Ericsson	Revised Tdoc N4-010659
N4-010652	ATM-IP signalling transport Interworking	Ericsson L.M.	Postponed
N4-010653	MS Presence Notification Procedure for Rel-4	Fujitsu, NTC	Revised Tdoc N4-010749
N4-010654	MS presence notification procedure for LCS	Fujitsu, NTC	Revised Tdoc N4-010750
N4-010655	Interworking cases for long forwarded-to numbers	Ericsson	Agreed
N4-010656	Interworking cases for long forwarded-to numbers	Ericsson	Agreed
N4-010657	CN#11 Meeting report	MCC	Noted
N4-010658	Essential drawbacks on services due to introduction of Super-Charger function	Ericsson	Revised Tdoc N4-010762
N4-010659	Essential drawbacks on services due to introduction of Super-Charger function	Ericsson	Revised Tdoc N4-010763
N4-010660	Alignment of the 29.060 with the 23.060 for the SRNS Relocation procedure	France Telecom	Agreed
N4-010661	Alignment of the 29.060 with the 23.060 for the SRNS Relocation procedure	France Telecom	Agreed
N4-010662	Decision requested on PS domain handover for real time services	R3	Noted
N4-010663	Introduction of selected Rab-id to the Process Access Signalling operation	Nokia	Revised Tdoc N4-010740
N4-010664	Introduction of selected Rab-id to the Process Access Signalling operation	Nokia	Revised Tdoc N4-010741
N4-010665	OTDOA location method to be added	Nokia	Agreed
N4-010666	Feasibility Study on SS7 Signalling transport in the core network with SUA	Cisco, Motorola	Endorsed
N4-010667	Tdoc allocation	Chairman	Agreed
N4-010668	Reply to RAN3 on on Highlighting Requirements to RAN3 for SRNS relocation with TrFO	CN4	Revised tdoc N4-010696
N4-010669	MAP security	CN4	Approved
N4-010670	Response to CN4 LS (Tdoc N4-010302) and CN4 LS (Tdoc N4-010483) on maximum number of LCS clients in the "privacy client list".	S1	Noted
N4-010671	Shift MAPsec to Rel-5	Siemens	Agreed
N4-010672	Mistake in the definition of AFR Application Context	Ericsson	Agreed
N4-010673	CR number for Miguel	Ericsson	Agreed
N4-010674	Additional Parameters in Authentication Failure Report	Ericsson	Revised Tdoc N4-010784
N4-010675	Response to Q.3/16 rapporteur	Chairman	Will be submitted to CN4 mailing list
N4-010676	23.205 R4 Section 8 & 13 Interworking Function, Codec Handling, and Voice Processing Function Alignment/Clean up	Tellabs	Agreed
N4-010677	LS to SA5	CN4	Approved
N4-010678	Corrections to section 7 :Call Clearing	Vodafone	Agreed
N4-010679	Enhancements to CAMEL Announcement and User Interaction	Vodafone	Withdrawn
N4-010680	Alignment of Procedure names to TS 29.232	Vodafone	Agreed
N4-010681	Clarifications in 3GUP package	Siemens	Withdrawn
N4-010682	Clarifications in 3GUP package	Siemens	Revised Tdoc N4-010690
N4-010683	Clarification of Use of UP version property in 3GUP package	Siemens	Agreed
N4-010684	Supporting multiple IP addressing in the SGSN Context Acknowledge message	Ericsson, Lucent, Motorola, Nokia	Revised Tdoc N4-010717
N4-010685	Supporting multiple IP addressing in the SGSN Context Acknowledge message	Ericsson, Lucent, Motorola, Nokia	Revised Tdoc N4-010718
N4-010686	Partial Roaming – restriction by Location area	Hutchison 3g	Agreed
N4-010687	Partial Roaming – restriction by Location area	Hutchison 3g	Agreed
N4-010688	3GPP Encoding of TDM Bearer Service Characteristics on Mc interface	Nortel Networks	Withdrawn
N4-010689	Text encoding of codec information on Mc interface	Nortel Networks	Agreed
N4-010690	Clarifications in 3GUP package	Siemens	Revised tdoc N4-010692
N4-010691	Role of MSC server in FP UP version negotiation for TrFO.	Siemens	Agreed

N4-010692	Clarifications in 3GUP package	Siemens	Agreed
N4-010693	Updates to UP Relay Function, Appendix A	Siemens, Ericsson	Agreed
N4-010694	Editorial corrections to TS 23.205 and Q.1950	Vodafone	Agreed
N4-010695	lu UP version negotiation	CN4	Approved
N4-010696	Reply to RAN3 on on Highlighting Requirements to RAN3 for SRNS relocation with TrFO	CN4	Approved
N4-010697	Draft 3GPP TS 29.228 v.0.1.0	Siemens	Agreed
N4-010698	Handling of MultiCall in MPTV procedure	Vodafone Group PLC	Agreed
N4-010699	New Subsystem Number for the Position Calculation Application Part on the lupc interface	Qualcomm	Agreed
N4-010700	Addition of the description for Multicall missing from 24.080	Nokia	Revised tdoc N4-010742
N4-010701	Addition of the description for Multicall missing from 24.080	Nokia	Revised tdoc N4-010743
N4-010702	Introduction of AMR-WB	CN4	Approved
N4-010703	SUA revised WI	Motorola	Approved
N4-010704	Clarification that intersystem Inter MSC handover can be established using MAP v3 or MAP v2	Nortel	Postponed to next meeting
N4-010705	Consistent description regarding the use of Charging Characteristics	CN4	Approved
N4-010706	Changes to provide interworking between signalling transport	Ericsson L.M.	Agreed
N4-010707	Essential drawbacks on services due to introduction of Super-Charger function	Ericsson	Revised Tdoc N4-010760
N4-010708	Essential drawbacks on services due to introduction of Super-Charger function	Ericsson	Revised Tdoc N4-010761
N4-010709	Corrections of references	Alcatel	Revised Tdoc N4-010755
N4-010710	Corrections of references	Alcatel	Revised Tdoc N4-010756
N4-010711	Response to LS N1-010504 (S2-010798r2)	CN1 joint session	Noted
N4-010712	Clarification of the handling of Version Not Supported; Supported Extensions Headers and Error notification messages	Lucent Technologies	Agreed
N4-010713	Clarification of the handling of Version Not Supported; Supported Extensions Headers and Error notification messages	Lucent Technologies	Agreed
N4-010714	Removal of the useless "version not supported" cause code from GTP messages	Lucent Technologies	Agreed
N4-010715	Removal of the useless "version not supported" cause code from GTP messages	Lucent Technologies	Agreed
N4-010716	Discussion On Full Support Of 23.032 GAD Shapes In Core Network	Ericsson	Noted
N4-010717	Supporting multiple IP addressing in the SGSN Context Acknowledge message	Ericsson, Lucent, Motorola, Nokia	Agreed
N4-010718	Supporting multiple IP addressing in the SGSN Context Acknowledge message	Ericsson, Lucent, Motorola, Nokia	Agreed
N4-010719	RANAP Cause in Relocation Cancel Request	Motorola	Postponed to CN4#09
N4-010720	Clarification that intersystem Inter MSC handover can be established using MAP v3 or MAP v2	Nortel	Postponed to CN4#09
N4-010721	Ambiguous text description of the CGF IE handling in the GTP create PDP context request message.	Lucent Technologies	Agreed
N4-010722	Initialisation of variable to monitor activation of CSI's	CN2	Agreed
N4-010723	Initialisation of variable to monitor activation of CSI's	CN2	Agreed
N4-010724	Remove reference to TS03.22 and others	Motorola	Agreed
N4-010725	Remove reference to TS23.022 and others	Motorola	Agreed
N4-010726	Remove reference to TS23.022 and others	Motorola	Agreed
N4-010727	Addition of selected UMTS algorithm indication to the handover procedures	Nokia	Agreed
N4-010728	Addition of selected UMTS algorithm indication to the handover procedures	Nokia	Agreed
N4-010729	Addition of allowed GSM algorithms indication to the handover procedures	Nokia	Agreed
N4-010730	Addition of allowed GSM algorithms indication to the handover procedures	Nokia	Agreed
N4-010731	Year 2002 meeting schedule	Chairman	
N4-010732	Addition of allowed UMTS algorithms indication to the handover procedures	Nokia	Agreed
N4-010733	Addition of allowed UMTS algorithms indication to the handover procedures	Nokia	Agreed
N4-010734	Addition of selected GSM algorithm indication to the handover procedures	Nokia	Agreed
N4-010735	Addition of selected GSM algorithm indication to the handover procedures	Nokia	Agreed
N4-010736	Addition of GSM channel type and GSM chosen channel indications to handover procedures	Nokia	Agreed
N4-010737	Addition of GSM channel type and GSM chosen channel indications to handover procedures	Nokia	Agreed
N4-010738	Addition of radio resource list to the handover procedures	Nokia	Agreed
N4-010739	Addition of radio resource list to the handover procedures	Nokia	Agreed
N4-010740	Introduction of selected Rab-id to the Process Access Signalling operation	Nokia	Agreed
N4-010741	Introduction of selected Rab-id to the Process Access Signalling operation	Nokia	Agreed

N4-010742	Addition of the description for Multicall missing from 24.080	Nokia	Agreed
N4-010743	Addition of the description for Multicall missing from 24.080	Nokia	Agreed
N4-010744	Supported CAMEL Phases in VLR is temporary	CN2	Agreed
N4-010745	Supported CAMEL Phases in VLR is temporary	CN2	Agreed
N4-010746	ATM-IP signalling transport Interworking	Ericsson L.M.	Agreed
N4-010747	Add support in MAP for all shapes defined in 23.032	Ericsson	Revised to N4-010781
N4-010748	Add support in MAP for all shapes defined in 23.032	Ericsson	Revised to N4-010782
N4-010749	MS Presence Notification Procedure for Rel-4	Fujitsu, NTC	Noted
N4-010750	MS presence notification procedure for LCS	Fujitsu, NTC	Revised to N4-010783
N4-010751	Mapping between RANAP and BSSMAP for Location Services (Part of N4-010542)	Ericsson	Agreed
N4-010752	Mapping between RANAP and BSSMAP for Location Services (Part of N4-010542)	Ericsson	Agreed
N4-010753	Mapping between RANAP and BSSMAP for Location Services (Part of N4-010541)	Ericsson	Agreed
N4-010754	Mapping between RANAP and BSSMAP for Location Services (Part of N4-010541)	Ericsson	Agreed
N4-010755	Corrections of references	Alcatel	Agreed
N4-010756	Corrections of references	Alcatel	Agreed
N4-010757	Liaison Statement on " Protocol Stack for an IP based lu-cs "	CN3	Noted
N4-010758	Supporting multiple IP addressing in the SGSN Context Acknowledge message	NEC	Postponed to CN4#09
N4-010759	Supporting multiple IP addressing in the SGSN Context Acknowledge message	NEC	Withdrawn
N4-010760	Essential drawbacks on services due to introduction of Super-Charger function	Ericsson	Revised Tdoc N4-010764
N4-010761	Essential drawbacks on services due to introduction of Super-Charger function	Ericsson	Revised Tdoc N4-010765
N4-010762	Essential drawbacks on services due to introduction of Super-Charger function	Ericsson	Revised Tdoc N4-010766
N4-010763	Essential drawbacks on services due to introduction of Super-Charger function	Ericsson	Revised Tdoc N4-010767
N4-010764	Essential drawbacks on services due to introduction of Super-Charger function	Ericsson	Revised Tdoc N4-010779Agreed
N4-010765	Essential drawbacks on services due to introduction of Super-Charger function	Ericsson	Revised Tdoc N4-010780Agreed
N4-010766	Essential drawbacks on services due to introduction of Super-Charger function	Ericsson	Agreed
N4-010767	Essential drawbacks on services due to introduction of Super-Charger function	Ericsson	Agreed
N4-010768	Codec Type UMTS_AMR_2	CN4	Revised to N4-010788
N4-010769	Remove the statement when MS receives no priority granted	Ericsson L.M.	Agreed
N4-010770	Remove the statement when MS receives no priority granted	Ericsson L.M.	Agreed
N4-010781	Add support in MAP for all shapes defined in 23.032	Ericsson	Revised Tdoc N4-010786
N4-010782	Add support in MAP for all shapes defined in 23.032	Ericsson	Revised Tdoc N4-010787
N4-010783	MS presence notification procedure for LCS	Fujitsu, NTC	Agreed
N4-010784	Additional Parameters in Authentication Failure Report	Ericsson	Revised Tdoc N4-010785
N4-010785	Additional Parameters in Authentication Failure Report	Ericsson	Agreed
N4-010786	Add support in MAP for all shapes defined in 23.032	Ericsson	Agreed
N4-010787	Add support in MAP for all shapes defined in 23.032	Ericsson	Agreed
N4-010788	Codec Type UMTS_AMR_2	CN4	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	
30th May 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 20th June 2001</p>
22nd June 2001	Draft report v2.0.0 placed on the FTP serve
09th July 2001	Version 2.0.0 approved at CN4#09 Meeting in Dresden, GERMANY – Made version 3.0.0 and sent out for info. Placed to server as the official meeting report.