



Third Generation Partnership Project

Meeting REPORT v3.0.0 3GPP TSG_CN_WG4 Ad Hoc

Madrid, SPAIN
13th – 15th February 2001



Hosted by Ericsson

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

3GPP TSG CN Plenary
Meeting #11, Palm Springs, U.S.A
14th - 16th March 2001
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1 Opening of the meeting Approval of Agenda

Mr. Yun-Chao Hu, CN4 chairman, gave a welcome introduction on behalf of Ericsson Spain. Additional support was provided Mr. Kimmo Kymäläinen (CN4 Secretary, MCC).

The agenda was presented and approved (N4-01211).

2 Document Allocation

Document allocation was approved (N4-010212).

2.1 Make calls for IPRs

Document is included in Annex C.

3 Meeting Reports

None

4 Liaison Statements

Document: N4-010215

Title: LS to N4 on GTP-U version negotiation

Source: R3

Presented: Mr. Toshiyuki Tamura, NEC

Discussion: CN4 answers to questions:

- 1) RAN-WG3 has become aware of the fact that GTP-U no longer has version supported message. Is this decision taken with knowledge about the lu interface, and especially the forwarding tunnel, where GTP-C is not present?
 - Yes, TSG CN4 had recognised that the current RANAP does not have an ability to negotiate the GTP-U version. However, for the reason described above, TSG CN4 believe that not having the GTP-U version negotiation mechanism in RANAP will not cause problems.
- 2) If the answer of 1) is no, does N4 see a need to have GTP-U version negotiation for the forwarding tunnel?
 - See answer for Q1.
- 3) If the GTP-U version negation is needed, CN-WG4 could be kindly asked if CN WG4 has a view on how the GTP-U version negotiation could work in the Inter-SGSN Relocation?
 - See answer for Q1.
- 4) RAN-WG3 has discussed shortly a method for GTP-U version negotiation on RANAP, i.e. indicate the GTP-U version in relevant RANAP messages (see attached R3-010074 for detail). However, this solution is against the main design principle applied in RAN WG3 specification work, i.e. the independence of Radio Network Layer and Transport Network Layer. Following this principle, the GTP-U version negotiation should be on GTP (i.e. the Transport Network Layer) level. Would CN-WG4 give opinion on this solution?
 - See answer for Q1.
- 5) When in the absence of GTP-C, how does the node act when an unsupported version

- Because of the conclusion described above, TSG CN4 believes that the node will not receive a message formatted with unsupported version. Therefore, immediate action to treat this situation is not necessary.

- Output LS to R3, will be drafted by Tamura-san

Decision: Output LS tdoc number N4-010282

Document: **N4-010282**
Title: LS response on GTP-U version negotiation
Source: CN4
Presented: Mr. Toshiyuki Tamura, NEC
Discussion:

Decision: Approved

Document: **N4-010217**
Title: Positive authentication reporting
Source: S3
Presented: Mr. Ian Park, Vodafone
Discussion:

- Issue has been overtaking in CN#10 and SA#10 plenary after S3 meeting.
- Contributions in this issue are requested.

Decision: Noted

Document: **N4-010218**
Title: Reply on Default Configurations for Handover
Source: S4
Presented: Mr. Phil Hodges, Ericsson
Discussion:

- Handover impacts are not very clear and a Response will be drafted to SA4 for further clarification.
- Output LS N4-010283 to S4, drafted by Tellabs and Ericsson

Decision: Noted

Document: **N4-010283**
Title: LS for "Reply on Default Configurations for Handover"
Source: CN4
Presented: Mr. Prem Tirilok, Tellabs
Discussion:

Decision: Approved

Document: N4-010220
Title: LS on RAB Assignment and QoS Negotiation
Source: S4
Presented: Mr. Einar Oltedal, Ericsson
Discussion:

- CN4 relies on the outcome of SA4 and therefore this issue is also within CN4 postponed to Rel-5.
- Should be informed in CN-plenary

Decision: Noted

Document: N4-010252
Title: LS on RAB Assignment and QoS Negotiation
Source: S2
Presented: -
Discussion:

Decision: Noted Without presentation

Document: N4-010226
Title: LS "Control of IP multimedia services"
Source: S3
Presented: Mr. Peter Schmitt
Discussion:

Decision: Noted

5 Work Item Management

Document: N4-010238
Title: Work Item Description for Bearer Independent Circuit-Switched Core Network
Source: Rapporteur
Presented: Ms. Elena Garcia-Mendive
Discussion:

- WI has been endorsed by CN4.
- Will be presented again in CN3-CN4 join session in Sophia meeting

Decision: Endorsed by CN4

6 Rel-4

6.1 Location Services

Document: N4-010225
Title: Enhancement of LCS functionality in Rel-4
Source: S2
Presented: Mr. Ahti Muhonen, Nokia
Discussion:

- Response LS N4-010285 to S2; cc:N1

Decision: Noted

Document: N4-010285
Title: Enhancement of LCS functionality in Rel-4
Source: CN4

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Presented: Mr. Toshiyuki Tamura, NEC
Discussion:

Decision: Approved

Document: **N4-010279**
Title: Response to LS on Enhancement of LCS functionality in Rel-4
Source: S1
Presented: -
Discussion:

Decision: Noted

Document: **N4-010280**
Title: Response to LS on maximum number of LCS clients
Source: S1
Presented: Mr. Ian Park, Vodafone
Discussion:

- Lots of discussion/opinions about the maximum value on the number of LCS clients.
- Response LS to S1
- Lowest value is 20
- 40 is not available anymore.
 - o It have to be based whitebook SCCP
 - o
- CN4 secretary tries to find out if it is possible to send the LS in SA1 mailing list.
- LS to SA1;cc SA2, N4-010286->revised LS N4-010302

Decision: Noted

Document: **N4-010286**
Title: Response LS to SA1, SA2 on maximum number of LCS clients
Source: CN4
Presented: Mr. John Menard, Lucent
Discussion:

- Modifications in text.

Decision: Revised to Tdoc N4-010302

Document: **N4-010302**
Title: Response LS to SA1, SA2 on maximum number of LCS clients
Source: CN4
Presented: Mr. John Menard, Lucent
Discussion:

- Modifications in text.

Decision: Approved. Will be sent to SA1 mailing list.

Document: **N4-010251**
Title: Addition of LCS related subscriber data for PS domain
Source: Fujitsu
Presented: Mr. Shinichiro Aikawa, Fujitsu
Discussion:

- CR has seen in Beijing

Decision: Agreed

Document: **N4-010254**
Title: Extension of call related privacy class for LCS Release 4
Source: NTC
Presented: Ms. Miyuki Soejima, NTC

Discussion:

- CR 231 is based on CR 221.
 - o CR 231 replacing the CR 221(not be submitted to CN plenary for approval)

Decision: Revised to Tdoc N4-010287

Document: N4-010287

Title: Extension of call related privacy class for LCS Release 4

Source: NTC

Presented: -

Discussion:

Decision: Agreed without presentation.

Document: N4-010255

Title: Maximum numbers of LCS Clients

Source: NTC

Presented: Ms. Miyuki Soejima, NTC

Discussion:

- Other specification affected: 23.071 have to be added. If stage 2 CR in 23.271 not approved ->in that case CN4 MAP CR can't be approved.
- Stage2 is not clear in this aspect. It needs more study and new CR will be needed in stage 2 clarification.
- A new revised CR is required to address the maximum bound and clear links to stage 2 CRs improving the stage requirement.
- NTC will be published the revised CR for next meeting.

Decision: Postponed to next meeting

Document: N4-010256

Title: MS presence notification procedure

Source: NTC

Presented: Ms. Miyuki Soejima, NTC

Discussion:

- CN4 agreed to use READY_FOR_SM message all the three: MT-SMS, NIPDPC and MT-LR

Decision: Noted

Document: N4-010257

Title: MS presence notification procedure

Source: NTC

Presented: Ms. Miyuki Soejima, NTC

Discussion:

- AC upgrade is not needed
- Overload tables have to be updated
- SDL diagrams have to be included

Decision: Revised N4-010290

Document: N4-010290

Title: MS presence notification procedure

Source: NTC

Presented: Ms. Miyuki Soejima, NTC

Discussion:

-

Decision: Postponed to CN4#07. Tdoc number will be N4-010334

6.2 Operator Determined Barring

Document: N4-010276
Title: Add parameters to ISD and SRI for GPRS to handle ODB for PS
Source: NEC
Presented: Mr. Toshiyuki Tamura, NEC
Discussion:

- Lucent: Which are involved in HLR and SGSN?
 - o Vodafone: All three (ODB-GeneralData:15,16,17) !

Decision: Agreed

6.3 Network Security

No documents submitted.

6.4 CAP/MAP on IP

Document: N4-010258
Title: MAP and CAP Transportation over IP: SUA vs. M3UA
Source: Motorola
Presented: Dr. Apostolis Salkintzis, Motorola
Discussion:

- Vodafone: The joint meeting (in Beijing) decided that CN4 shall make the choice for SS7 signalling transportation over IP; CN1 will be handled BSSAP+ issues. MAP/CAP issues will be handled in CN4.
- Chairman: (check notes)
- Ericsson, Nokia, Siemens, Lucent don't see that SUA will be ready in March. There are many open issues which are not solved in SCCP functionality like: Mobile Number Portability and CCBS. They do not support SUA in Rel-4.
- Why should the standard allow operators to choose SUA to transport MAP or CAP messages within their network. Could it be as an optional in Rel-4?
 - o Chairman: We need to wait for stable version before we could include it in specification.
- Motorola: SUA is currently a one month behind M3UA! What is the main objection against SUA?
 - o Major concern is interworking between SUA and M3UA.
 - o
- M3UA is already identified to be supported in Rel-4. There are no requirements for SUA in Rel-4 timeframe yet identified.

Decision: Noted

Document: N4-010260
Title: SS7 Signalling in core network
Source: Ericsson
Presented: Mr. Pompeo Santoro, Ericsson
Discussion:

- Pompeo Santoro will be the editor for 29.202
- Document will be raised version 0.1.0

Decision: Revised Tdoc for version 0.1.0 is N4-010288

Document: N4-010288
Title: SS7 Signalling in core network
Source: Ericsson
Presented: -
Discussion:

Decision: Agreed

Document: N4-010261
Title: MAP over IP according to SIGTRAN
Source: Ericsson
Presented: Mr. Pompeo Santoro, Ericsson
Discussion:

- TS 29.202 have to be added in cover sheet : Affected in other specification

Decision: Agreed

Document: N4-010275
Title: Introduction of CAP over IP in accordance with SIGTRAN
Source: Ericsson
Presented: Mr. Pompeo Santori, Ericsson
Discussion:

- Modifications have to be made

Decision: Revised to Tdoc N4-010289

Document: N4-010289
Title: Introduction of CAP over IP in accordance with SIGTRAN
Source: Ericsson
Presented: -
Discussion:

- CN4 endorsed the CR
- Document will be submitted to CN2 email list and be forwarded to CN2#07 meeting in Sophia Antipolis

Decision: Agreed

6.5 Camel Phase 4

No documents submitted.

6.6 Transcoder Free Operations

Document: N4-010219
Title: LS answer on support of DTX and No_Data frames
Source: S4
Presented: Mr. Yun-Chao Hu, chairman
Discussion:

Decision: Noted

Document: N4-010229
Title: Request for information to complete security work items (N4-010193)
Source: S3
Presented: Mr. Yun-Chao Hu, chairman
Discussion:

- Response LS to be created to state that no impacts on user fraud are identified related specifically for TrFO compared to connections including a transcoder. SA3 is asked for guidance to inform CN4 if SA3 see any user fraud impacts, otherwise WIO is completed.
- Response to S3, N4-010291(Phil Hodges, Ericsson)

Decision: Noted

Document: N4-010227
Title: "Node X" changed to "MSC Server X"
Source: Tellabs
Presented: Mr. Prem Trillok
Discussion:

- Modification in figure 6.4.1 have to be made also.

Decision: Revised Tdoc N4-010291

Document: N4-010292
Title: "Node X" changed to "MSC Server X"
Source: Tellabs
Presented: -

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Decision: Agreed

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Document: N4-010231
Title: UP package property handling
Source: Ericsson
Presented: Mr. Phil Hodges, Ericsson
Discussion:

- Almost same CR as Siemens N4-010269
- CR is withdrawn after presentation of 269. Contents of this document needs to be rediscussed when dealing with stage 3 BICSCN.

Decision: Withdrawn

Document: N4-010232
Title: Codec Modification/Mid Call Neg.
Source: Ericsson
Presented: Mr. Phil Hodges, Ericsson
Discussion:

- Two changes was made
- Document will replace CR 23.153-002r1

Decision: Revised to Tdoc N4-010294

Document: N4-010294
Title: Codec Modification/Mid Call Neg.
Source: Ericsson
Presented: -
Discussion:

- Agreed without presentation

Decision: Agreed

Document: N4-010233
Title: Alignment of SRNS Reloc & 23.205
Source: Ericsson
Presented: Mr. Phil Hodges, Ericsson
Discussion:

-

Decision: Agreed

Document: N4-010234
Title: Inter-MSC Serving Area SRNS Relocation
Source: Ericsson
Presented: Mr. Phil Hodges, Ericsson
Discussion:

- Category have to be changed as F: Essential correction
- Other specification affected: 23.009-022 have to be added
 - o CR will be linked with CR 23.009-022 in plenary

Decision: Agreed with modifications in cover sheet

Document: N4-010235
Title: General Editorial Improvements corrections
Source: Ericsson
Presented: Mr. Phil Hodges, Ericsson
Discussion:

- The new reference number will be 13.

Decision: Revised to Tdoc N4-010295

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Document: N4-010295
Title: General Editorial Improvements corrections
Source: Ericsson
Presented:
Discussion:

Decision: Agreed without presentation

Document: N4-010264
Title: Impact of Off Air Call Setup (OACSU)
Source: Siemens
Presented: Mr. Peter Schmitt, Siemens
Discussion:

-

Decision: Rejected

Document: N4-010266
Title: Reference to Q.2630 in certain diagrams
Source: Siemens
Presented: Mr. Peter Schmitt, Siemens
Discussion:

- No modifications in text. Only figures are changed.

Decision: Agreed

Document : N4-010267
Title: Initialisation issues
Source: Siemens
Presented: Mr. Peter Schmitt, Siemens
Discussion:

- Modifications were made in text.

Decision: Revised Tdoc N4-010299

Document : N4-010299
Title: Initialisation issues
Source: Siemens
Presented:
Discussion:

Decision: Agreed without presentation

Document: N4-010268
Title: Initialisation issues
Source: Siemens
Presented: Mr. Peter Schmitt, Siemens
Discussion:

-

Decision:

Document: N4-010269
Title: Avoiding double description of lu framing packages procedures
Source: Siemens
Presented: Mr. Peter Schmitt, Siemens

Discussion:

- Few modifications in section 5.4.5 was made:
 - o Text added
- Offline corrections was made by Siemens, Tellabs and Ericsson
 - o Deletion of the procedure accepted

Decision: Revised Tdoc N4-010293

Document: N4-010293
Title: Avoiding double description of lu framing packages procedures
Source: Siemens
Presented: Mr. Peter Schmitt, Siemens

Discussion:

- Some editorial modifications were made.

Decision: Revised to Tdoc N4-010306

Document: N4-010306
Title: Avoiding double description of lu framing packages procedures
Source: Siemens
Presented:

Discussion:

- Category of CR will be F.

Decision: Agreed without presentation

Document: N4-010277
Title: Inter-MS-C Serving Area SRNS Relocation
Source: Siemens
Presented: Mr. Peter Schmitt, Siemens
Discussion:

Decision: Rejected

6.7 Bearer Independent Architecture

6.7.1 Stage 2

Document: N4-010213
Title: LS on Lawful Intercept support on the Mc interface
Source: S3
Presented: Mr. John Menard, Lucent
Discussion:

- CN4 have assumed that the encoding at the termination TLI is ITU-T G.711.
 - o No need for a new 'standard intercept control message' since the mechanisms which are already in the standard protocol over the Mc interface (ITU-T H.248) meet these requirements.
- Response to S3; N4-010300 -> revised to tdoc N4-010307

Decision: Noted

Document: N4-010300
Title: LS Response Lawful Intercept support on the Mc interface

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Source: CN4

Presented: Ms. Elena Garcia-Mendive

Discussion:

- Modifications were made in text
- Number of discussion took place. It must be stated that CN4 has a working assumption that the MGW termination property is based on G.711
- Tellabs and Nokia made a reservation on this but accepts the working assumption to be forwarded to SA3

Decision: Revised to tdoc N4-010307

Document: **N4-010307**

Title: LS Response Lawful Intercept support on the Mc interface

Source: CN4

Presented:

Discussion:

Decision: Approved

Document: **N4-010236**

Title: Editor's version including agreed contributions in CN4 #6

Source: Editor

Presented:

Discussion:

- Just for information

Decision: Noted

Document: **N4-010237**

Title: 23.205 editorial corrections and new structure on section 8

Source: Editor

Presented: Ms. Elena Garcia-Mendive, Ericsson

Discussion:

- Correct ITU-T document numbers for references [10], [11] and [12]
- Addition of references for new specifications, 29.414 and 29.205, and missing ones.
- Update the references to the specifications in the text body.
- Replacement of 'chapter' and 'subsection' and 'section' by 'subclause' in the whole document.
- Correction of the figures and subclauses numbering.
- The chapter 8 (Handover) structure is changed to differentiate UMTS to UMTS, UMTS to GSM, GSM to UMTS handover/relocation and a new subclause is introduced 'GSM to GSM'.
- Introduction of procedure 'MGW Registration' in chapter 10. This procedure was already introduced in the TSG-CN WG4 #5 in Paris (N4-000985), but was not incorporated in the specification by mistake.

Decision: Agreed

Document: **N4-010253**

Title: Bearer Independent CS Core Network

Source: Vodafone

Presented: Mr. Ian Park, Vodafone

Discussion:

- For clarity of understanding and consistency through out the specification, the following changes are proposed by Vodafone:
 - o For all 'message sequence chart examples', the term used for MSC server, MSC, shall be changed to MSCS.
 - o For all applicable 'network model figures', the naming convention for a context, within an MGW, shall be CTX.

Decision: Agreed

Document: N4-010224
Title: Clarification to Scope section of TS 23.205
Source: Lucent
Presented: Mr. John Menard, Lucent
Discussion:

-

Decision: Agreed

Document: N4-010239
Title: Continuity handling for MO Call Establishment (section 6.1)
Source: Ericsson
Presented: Ms. Elena Garcia-Mendive
Discussion:

Decision: Agreed

Document: N4-010273
Title: UP Initialisation call flows updates
Source: Ericsson
Presented: Ms. Elena Garcia-Mendive
Discussion:

Decision: Agreed

Document: N4-010240
Title: Modifications of Section 8, Handover
Source: Ericsson
Presented: Ms. Elena Garcia-Mendive
Discussion:

Decision: Agreed

Document: N4-010241
Title: Inclusion of Codec Handling in sections 6 and 8
Source: Ericsson
Presented: Ms. Elena Garcia-Mendive
Discussion:

Decision: Agreed

Document: N4-010242
Title: Compatibility (section 9)
Source: Ericsson
Presented: Ms. Elena Garcia-Mendive
Discussion:

- Modifications was made in chapter 6.1.2.
 - o Changes in subcategory: Access bearer assignment.

Decision: Revised to Tdoc N4-010301 together with Tellabs N4-010228

Document: N4-010228
Title: GSM access to cover interactions with other services in 3G TS 23.205
Source: Tellabs
Presented: Mr. Prem Tirilok
Discussion:

- Will be combined together with revised N4-010242

Decision: Revised Tdoc N4-010301 together with Ericsson N4-010242

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Document: N4-010301
Title: GSM access to cover interactions with other services in 3G TS 23.205
Source: Tellabs, Ericsson
Presented:
Discussion:

-

Decision: Accepted

Document: N4-010272
Title: Modification of bearer characteristics
Source: Ericsson
Presented: Ms. Elena Garcia-Mendive
Discussion:

Decision: Agreed

Document: N4-010243
Title: Modifications of Section 10 of TS 23.205 V.1.1.0
Source: Ericsson
Presented: Ms. Elena Garcia-Mendive
Discussion:

Decision: Agreed

Document: N4-010221
Title: Voice Processing Function
Source: Tellabs
Presented: Mr. Prem Tirilok
Discussion:

- Changes are covered in N4-010244

Decision: Withdrawn based on the presentation of N4-010244

Document: N4-010244
Title: Alignment of procedures between (G)MSC server and MGW (section 16.2) with stage 3
Source: Ericsson
Presented: Ms. Elena Garcia-Mendive
Discussion:

Decision: Agreed

6.7.2 Stage 3

Document: N4-010259
Title: 29.232 Editor's version including agreed contributions in CN4 #6
Source: Rapporteurs
Presented: Mr. Ian Park, Vodafone
Discussion:

Decision: Noted

Document: N4-010247
Title: Updates on the Circuit Switched Data package (section 15.1.2)
Source: Ericsson
Presented: Mr. Alf Heidermark, Ericsson
Discussion:

- Textual modifications were made in document
- References to ITU-T BICC CS-2 replaced by TS 29.205.
- Modifications will be included to editor's version TS 29.232 v1.2.x before CN4#07.

Decision: Revised to Tdoc N4-010304

Document: **N4-010304**
Title: Updates on the Circuit Switched Data package (section 15.1.2)
Source: Ericsson
Presented:
Discussion:

Decision: Accepted

Document: **N4-010248**
Title: Updates on the TFO package
Source: Ericsson
Presented: Mr. Phil Hodges, Ericsson
Discussion:

- Editors note will be deleted in chapter 15.1.3.5.

Decision: Accepted

Document: **N4-010245**
Title: Updates on the TFO package
Source: Ericsson
Presented: Mr. Alf Heidermark, Ericsson
Discussion:

- Some minor editorial modifications have to be made in document.
- Modifications will be included to editor's version TS 29.232 v1.2.x before CN4#07.

Decision: Accepted

Document: **N4-010249**
Title: Tone Generation package
Source: Ericsson
Presented: Mr. Alf Heidermark, Ericsson
Discussion:

- Modifications will be included to editor's version TS 29.232 v1.2.x before CN4#07.

Decision: Accepted

Document: **N4-010270**
Title: Annex A on description of the relay function
Source: Ericsson
Presented: Mr. Peter Schmitt, Siemens
Discussion:

- Annex A description will be kept as it is in draft 29.232 v.1.1.1, but title have to be changed:
 - o New document for Title: N4-010305

Decision: withdrawn

Document: **N4-010305**
Title: The Framing Protocol Interworking Function
Source: Ericsson, Siemens
Presented:
Discussion:

Decision: Agreed without presentation

Document: **N4-010303**
Title: Update to 3G up package

Source: Ericsson, Siemens
Presented: Mr. Phil Hodges, Ericsson
Discussion:

- This document replaced the documents: N4-010230 (Ericsson) and N4-010268 Siemens.
- Some textual modifications made.
- Modifications will be included to editor's version TS 29.232 v1.2.x before CN4#07.

Decision: Accepted

Document: **N4-010250**
Title: Updates of TS 29.205 V 0.1.0
Source: Ericsson
Presented: Mr. Alf Heidermark, Ericsson
Discussion:

- New version 29.205 v.0.2.0

Decision: Accepted

7 AOB

No documents in this issue.

8 Output of CN4# Ad Hoc Meeting

8.1 Change Requests

TDoc #	spec	Rel	CR #	R	cat	versi	Title	Source	WI
N4-010233	23.153	Rel4	015		F	4.0.0	Alignment of SRNS Reloc & 23.205	LM Ericsson	TrFO
N4-010234	23.153	Rel4	016		D	4.0.0	Inter-MSC Serving Area SRNS Relocation	LM Ericsson	TrFO
N4-010251	23.008	Rel4	033	1	B	3.5.0	Addition of LCS related subscriber data for PS domain	Fujitsu	Location Service
N4-010261	29.002	Rel4	234		B	4.2.1	MAP OVER IP ACCORDING TO SIGTRAN	LM Ericsson	CAP/MAP on IP
N4-010266	23.153	Rel4	020		D	4.0.0	Reference to Q.2630 in certain diagrams	Siemens AG	TrFO
N4-010276	29.002	R4	215	2	B	4.1.0	Add parameters to ISD and SRI for GPRS to handle ODB for PS	NEC	ODB
N4-010287	29.002	Rel4	231	1	B	4.2.1	Extension of call related privacy class for LCS Release 4	NTC	LCS
N4-010292	23.153	Rel4	012	1		4.0.0	"Node X" changed to "MSC Server X"	Tellabs	TrFO
N4-010294	23.153	Rel4	014	1	F	4.0.0	Codec Modification/Mid Call Neg.	LM Ericsson	TrFO
N4-010295	23.153	Rel4	017	1	D	4.0.0	General Editorial Improvements/corrections	LM Ericsson	TrFO
N4-010299	23.153	Rel4	021	1	C	4.0.0	Initialisation issues	Siemens AG	TrFO
N4-010306	23.153	Rel4	022	2	F		Avoiding double description of lu framing packages procedures	Siemens AG	TrFO

8.2 Liaison Statements

The following Liaison Statements were agreed to be sent by N4 #06_01 Ad Hoc meeting:

TDOC N4-00xxxx	Subject	To	Cc	Attachment	Sent
N4-010282	LS response on GTP-U version negotiation	R3			16 th Feb
N4-010283	LS for "Reply on Default Configurations for Handover"	S4, R2, TSG-T, TSG-Geran, R1	N1		16 th Feb
N4-010284	LS highlighting requirements to RAN WG3 for SRNS Relocation with TrFO	R3	S2, N1	N4-001099	16 th Feb
N4-010285	LS response on Enhancement of LCS functionality in Rel-4	S2	S1		16 th Feb
N4-010291	LS reply to SA3 on request for information to complete security work items	S3			16 th Feb
N4-010302	Response to SA1 LS (Tdoc S1-010219) on maximum number of LCS clients in the "privacy client list"	S1, S2			16 th Feb
N4-010307	LS Response Lawful Intercept support on the Mc interface	S3			16 th Feb

8.3 TS/TRs

Tdoc #	Tdoc Title
N4-010288	TS 29.202 Version 0.1.0 " SS7 SIGNALLING IN CORE NETWORK"
N4-010250	Updates of TS 29.205 V 0.2.0

8.4 WIs

Tdoc #	Tdoc Title

9 Review of dates and hosts for future meetings

Ad Hoc deadline for documents 8.2.2001.

CN4#07 deadline for documents 21.2.2001.

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

3GPP N4 Meeting	Date	Place	Host
N4#06	15-19 January 2001	Beijing, China	Ericsson China, Ericsson Sweden
Joint meeting CN3/CN4	16-17 January 2001		
N4#06_01 Ad Hoc Rel-4	13-15 February 2001	Madrid, Spain	Ericsson Spain, Ericsson

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			Sweden
N4#07 Joint meeting CN3/CN4	26 February -2 March 2001 T.B.A.	Sophia Antipolis, France	ETSI
N4#08	14-18 May 2001	St. John, US. Virgin Islands	The North American Friends of 3GPP
N4#09	09-13 July 2001	Dresden, Germany	Mannesmann
N4#10	15-19 October 2001	UK	Vodafone, BT
N4#11	26-30 November 2001	USA	The North American Friends of 3GPP

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

Annex A : Participants

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14th - 16th March 2001**

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Annex B: List of Temporary Documents

Tdoc n° 3GPP	List of Temporary Documents	Source	Status
N4-010211	Agenda	Ad Hoc Convenor	Approved
N4-010212	Tdoc allocation	Ad Hoc Convenor	Approved
N4-010213	LS on Lawful Intercept support on the Mc interface	S3	Noted
N4-010214	LS on Problem with GPRS and Roaming	N1	Postponed to CN4#07
N4-010215	GTP-U version negotiation	R3	Noted
N4-010216	Liaison statement on IP Multimedia sessions	SA	Handled in Beijing
N4-010217	Positive authentication reporting	S3	Noted
N4-010218	Reply on Default Configurations for Handover	S4	Noted
N4-010219	LS answer on support of DTX and No_Data frames	S4	Noted
N4-010220	LS on RAB Assignment and QoS Negotiation	S4	Noted
N4-010221	Voice Processing Function	Tellabs	Withdrawn
N4-010222	Voice Processing Procedure	Tellabs	Withdrawn
N4-010223	Add parameters to ISD and SRI for GPRS to handle ODB for PS	NEC	Revised Tdoc N4-010276
N4-010224	Clarification to Scope section of TS 23.205	Lucent	Accepted
N4-010225	Enhancement of LCS functionality in Rel-4	S2	Noted
N4-010226	LS "Control of IP multimedia services"	S2	Noted
N4-010227	"Node X" changed to "MSC Server X"	Tellabs	Revised Tdoc N4-010292
N4-010228	GSM access to cover interactions with other services in 3G TS 23.205	Tellabs	Revised Tdoc N4-010301
N4-010229	Request for information to complete security work items (N4-010193)	S3	Noted
N4-010230	Update to 3G UP package	LM Ericsson	Revised Tdoc N4-010303
N4-010231	UP package property handling	LM Ericsson	Withdrawn
N4-010232	Codec Modification/Mid Call Neg.	LM Ericsson	Revised Tdoc N4-010294
N4-010233	Alignment of SRNS Reloc & 23.205	LM Ericsson	Agreed
N4-010234	Inter-MSC Serving Area SRNS Relocation	LM Ericsson	Agreed
N4-010235	General Editorial Improvements/corrections	LM Ericsson	Revised Tdoc N4-010295
N4-010236	23.205 Editor's version including agreed contributions in CN4 #6	Rapporteur	Noted
N4-010237	23.205 editorial corrections and new structure on section 8	Rapporteur	Accepted
N4-010238	Work Item Description for Bearer Independent Circuit-Switched Core Network	Rapporteur	Endorsed by CN4
N4-010239	Continuity handling for MO Call Establishment (section 6.1)	Ericsson L.M.	Accepted
N4-010240	Modifications of Section 8, Handover	Ericsson L.M.	Accepted
N4-010241	Inclusion of Codec Handling in sections 6 and 8	Ericsson L.M.	Accepted
N4-010242	Compatibility (section 9)	Ericsson L.M.	Revised Tdoc N4-010301
N4-010243	Modifications of Section 10 of TS 23.205 V.1.1.0	Ericsson L.M.	Accepted
N4-010244	Alignment of procedures between (G)MSC server and MGW (section 16.2) with stage 3	Ericsson L.M.	Accepted
N4-010245	Updates of TS 29.232 V 1.1.1	Ericsson L.M.	Accepted
N4-010246	Updates on the 3G UP package	Ericsson L.M.	Withdrawn
N4-010247	Updates on the Circuit Switched Data package (section 15.1.2)	Ericsson L.M.	Revised Tdoc N4-010304
N4-010248	Updates on the TFO package	Ericsson L.M.	Accepted
N4-010249	Tone Generation package	Ericsson L.M.	Accepted
N4-010250	Updates of TS 29.205 V 0.1.0	Ericsson L.M.	Accepted
N4-010251	Addition of LCS related subscriber data for PS domain	Fujitsu	Agreed
N4-010252	LS on RAB Assignment and QoS Negotiation (N4-010109)	S2	Noted
N4-010253	Bearer Independent CS Core Network	Vodafone	Accepted
N4-010254	Extension of call related privacy class for LCS Release 4	NTC	Revised Tdoc N4-010287
N4-010255	Maximum numbers of LCS Clients	NTC	Postponed to CN4#07
N4-010256	MS presence notification procedure	NTC	Noted
N4-010257	MS presence notification procedure	NTC	Revised Tdoc N4-010290

N4-010258	MAP and CAP Transportation over IP: SUA vs. M3UA	Cisco, Motorola	Noted
N4-010259	29.232 Editor's version including agreed contributions in CN4 #6	Rapporteur	Noted
N4-010260	SS7 SIGNALLING IN CORE NETWORK	ERICSSON	Revised Tdoc N4-010288
N4-010261	MAP OVER IP ACCORDING TO SIGTRAN	ERICSSON	Agreed
N4-010262	rate control issues	Siemens AG	Withdrawn
N4-010263	Impact of Off Air Call Setup (OACSU)	Siemens AG	Withdrawn
N4-010264	Impact of Off Air Call Setup (OACSU)	Siemens AG	Rejected
N4-010265	Rewording of "TBE"	Siemens AG	Postponed
N4-010266	Reference to Q.2630 in certain diagrams	Siemens AG	Agreed
N4-010267	Initialisation issues	Siemens AG	Revised Tdoc N4-010299
N4-010268	Initialisation issues	Siemens AG	Revised Tdoc N4-010303
N4-010269	avoiding double description of lu framing packages procedures	Siemens AG	Revised Tdoc N4-010293
N4-010270	on description of the relay function	Siemens AG	Rejected
N4-010271			
N4-010272	Modification of bearer characteristics	Ericsson L.M.	Accepted
N4-010273	UP Initialisation call flows updates	Ericsson L.M.	Accepted
N4-010274	Modify Char update	Ericsson L.M.	Withdrawn
N4-010275	CR 29.078-144 R1 on Introduction of CAP over IP in accordance with SIGTRAN	Ericsson L.M.	Revised Tdoc N4-010289
N4-010276	Add parameters to ISD and SRI for GPRS to handle ODB for PS	NEC	Agreed
N4-010277	rate control issues	Siemens AG	Rejected
N4-010278	The option of SUA for IP-based signalling transport in the core network	Motorola	Withdrawn
N4-010279	Response to LS on Enhancement of LCS functionality in Rel-4	S1	Noted
N4-010280	Response to LS on maximum number of LCS clients	S1	Noted
N4-010281	Revised Tdoc allocation	CN4 Chairman	Noted
N4-010282	LS response on GTP-U version negotiation	CN4	Approved
N4-010283	LS to S4 (Perm and Phil)	CN4	Approved
N4-010284	LS highlighting requirements to RAN WG3 for SRNS Relocation withTrFO	CN4	Approved
N4-010285	LS response on Enhancement of LCS functionality in Rel-4	CN4	Approved
N4-010286	Response to SA1 LS (Tdoc S1-010219) on maximum number of LCS clients in the "privacy client list"	CN4	Revised Tdoc N4-010302
N4-010287	Extension of call related privacy class for LCS Release 4	NTC	Agreed
N4-010288	SS7 SIGNALLING IN CORE NETWORK	ERICSSON	Agreed
N4-010289	CR 29.078-144 R1 on Introduction of CAP over IP in accordance with SIGTRAN	Ericsson L.M.	Agreed
N4-010290	MS presence notification procedure	NTC	Postponed to CN4#07
N4-010291	LS reply to SA3 on request for information to complete security work items	CN4	Agreed
N4-010292	"Node X" changed to "MSC Server X"	Tellabs	Agreed
N4-010293	avoiding double description of lu framing packages procedures	Siemens AG	Revised Tdoc N4-010306
N4-010294	Codec Modification/Mid Call Neg.	LM Ericsson	Agreed
N4-010295	General Editorial Improvements/ corrections	LM Ericsson	Agreed
N4-010296	Positive authentication reporting	Vodafone	Postponed to CN4#07
N4-010297	Positive authentication reporting	Vodafone	Postponed to CN4#07
N4-010298	Positive authentication reporting	Vodafone	Postponed to CN4#07
N4-010299	Initialisation issues	Siemens AG	Agreed
N4-010300	LS to S3 Lawful Intercept support on the Mc interface	CN4	Revised Tdoc N4-010307
N4-010301	Compatibility (section 9)	Ericsson L.M., Tellabs	Accepted
N4-010302	LS response on Enhancement of LCS functionality in Rel-4	CN4	Agreed
N4-010303	Update to 3G up package	Ericsson, Siemens	Accepted
N4-010304	Updates on the Circuit Switched Data package (section 15.1.2)	Ericsson L.M.	Accepted
N4-010305	The Framing Protocol Interworking Function	Ericsson, Siemens	Accepted
N4-010306	avoiding double description of lu framing packages procedures	Siemens AG	Agreed

N4-010307	LS to S3 Lawful Intercept support on the Mc interface	CN4	Approved
N4-010308	Approved and accepted documents	Chairman	Agreed

Annex C: Make calls for IPRs

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

The members take note that they are hereby invited:

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

Annex D: Access to 3GPP documents

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

2.2 3GPP email lists:

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

subscribe 3GPP_TSG_CN_WG4 YourFirstName YourLastName

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

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

QUERY *

2.3 Email archives:

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

search * in 3GPP_TSG_CN_WG4 since Jan 1999

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

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

2.4 Meeting calendar:

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

2.5 Documents on the server:

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

ANNEX D: Document history

Document History	
16th Feb 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 22th February 2001</p>
26th Feb 2001	Draft report v2.0.0 placed on the FTP serve
05th Mar 2001	Version 2.0.0 approved at CN4#07 Meeting in Sophia Antipolis – Made version 3.0.0. Placed to server as the official meeting report.