



Third Generation Partnership Project

Draft Meeting REPORT v1.0.0 3GPP TSG_CN_WG4#18

Dublin, EIRE
10th – 14th February 2003



Hosts: European Friends of 3GPP

Chairman: Mr. Ian Park, Vodafone
Vice Chairmen: Mr. Peter Schmitt, Siemens
MCC Support: Mr. Kimmo Kymäläinen, ETSI MCC.

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1 Opening of the meeting & Approval of Agenda

Mr. Ian Park, CN4 chairman, opened the meeting. Additional support was provided by Mr. Kimmo Kymäläinen (CN4 Secretary, MCC). Welcome introduction was provided a member of the hosts, Mr. Ian Park (Vodafone UK).

1.1 Make calls for IPRs

The document is included in Annex C.

The agenda was presented and **approved** (N4-030003).

2 Document Allocation

The late arrived documents were accepted by the meeting for discussion under the appropriate agenda headings.

- Nokia will provide a late CR under agenda item 6.3 Location Services later during the meeting.

The document allocation (N4-030005) was **approved** with the changes shown above.

3 Meeting Reports

3.1 Approval of the report of CN4 #16, Miami, USA

The Bangkok meeting report CN4#17 (N4-030008) was **approved**. The document is raised to version 3.0.0 and will be uploaded to the server.

3.2 Report of CN #18 & SA #18

The report is unofficial made by CN4 chairman. The official report was made by CN#18 secretary.

All the delegates (29) would participate both IMS and non-IMS issues. None of the delegates would like to participate only IMS or non-IMS issues.

A document N4-030006 was **Noted**

3.3 Other groups

3GPP/IETF Release 6 Workshop Major Conclusions

A document N4-030165 was **Noted**.

4 Liaison Statements

Document: N4-030035
Title: LS on proposed list of core IMS specifications for Access Independence
Source: CN1
Presented: Mr. Nigel Berry, Lucent
Discussion:

Decision: **Noted**

Document: N4-030041
Title: Concerning requirements to be able to originate an emergency call from a data-only

mobile terminal
Source: SA1
Presented: Mr. Ulrich Wiehe, Siemens
Discussion:

Decision: **Noted**
Document: **N4-030042**
Title: Additional Release 5 work needed for Policy Control and Subscription Control of Media
Source: SA
Presented: Mr. Miguel-Angel Pallares López, Ericsson
Discussion:

Decision: **Noted**

Document: **N4-030044**
Title: LS on Use of E164 numbers for emerging mobile systems
Source: SA1
Presented: Mr. Ian Park, chairman
Discussion:

- Vodafone: It's not good idea to remove E164, because requirements of billing and customer care to use E164 number.
 - o Siemens: Is there any other way to handle billing and customer care except E164 number?
 - o H3G: It could be possible in the future to only have a url assigned for customer care purposes.
- CN4 will wait for SA2 input before output to response for ENF.

Decision: **Noted**

Document: **N4-030048**
Title: LS on Early UE handling
Source: SA2
Presented: Mr. Nick Russell, Vodafone
Discussion:

Decision: **Noted**

Document: **N4-030183**
Title: LS on Early UE handling
Source: RAN "Early UE" ad-hoc
Presented: Dr. Daniel Warren, Nortel Networks
Discussion:

- Ericsson: It is not a problem to define a container to transport UESBI, but they have a concerns about the tracing function requirement to transfer IMEISV-CN.
- Chairman: The impact of our specification is minimal because this affects only an interface between Access Network and Core Network. Only stage 2 specifications 23.012 and 23.018 are affected.
- Ericsson proposed that CN4 will send an LS to SA2& RAN (cc:SA5).
 - o LS is N4-030220.

Decision: **Noted**

Document: **N4-030220**
Title: LS on early UE handling
Source: Ericsson
Presented: Mr. Phil Hodges, Ericsson
Discussion:

Decision: **Approved**

Document: **N4-030053**
Title: LS on Subscriber and Equipment Trace concepts and requirements

Source: SA5
Presented: Dr. Daniel Warren, Nortel Networks
Discussion:

Decision: **Noted**

Document: **N4-030052**
Title: Reply LS on Subscriber and Equipment Trace Impacts
Source: SA5
Presented: Noted without presentation
Discussion:

Decision: **Noted**

Document: **N4-030313**
Title: LS on Early UE Handling
Source: CN1
Presented: Mr.Kevan Hobbis, Three
Discussion:

Decision: **Noted**

Document: **N4-030187**
Title: LS with enhanced stage 2 description of the GMLC – PPR,
Lpp-interface
Source: SA2
Presented: Mr. Jari Jansson, Nokia
Discussion:

Decision: **Noted**

5 Work Item Management

Document: **N4-030046**
Title: LS on CN related work on 3GPP-WLAN Interworking
Source: SA2
Presented: Mr. Seppo Kauntola, Nokia
Discussion:

- Vodafone: Do we need a new application or can we use the existing ones?
 - o Nokia: It's too early to say, but maybe it's possible to use EAP for WLAN.
- Lucent: The availability of 23.234 will be June 2003 instead of March 2003.

Decision: **Approved**

Document: **N4-030157**
Title: WLAN Interworking – stage 3 definition of WLAN – 3GPP interworking
Source: Nokia
Presented: Mr. Seppo Kauntola, Nokia
Discussion:

- The supported companies are: Nokia, Lucent, Telia-Sonera and Ericsson.
- Ericsson: Wt-interface doesn't carry AAA signalling between the UE and AA server.
 - o Nokia: The signalling end points are the UE and the AAA server, but Nokia offer to accept replacement of "UE" with "AN".
- Ericsson proposed to strike out the text "but one foreseen option is IETF GRE"
- Ericsson: Why CN1 needs to be involved? There are no call control signalling.
 - o Nokia: This could be to adapt the existing IETF protocols to meet SA3 requirement.
 - o Ericsson: This is separate from CN1's area of call control signalling.
 - o Lucent: We should give CN1 a task because the WID will be presented also in CN1 and they will decide if the work is needed or not.
- Chairman: The only open issue is the WI Rapporteur.

Decision: Revised to N4-030221

Document: N4-030221

Title: WLAN Interworking – stage 3 definition of WLAN – 3GPP interworking

Source: Nokia

Presented: Mr. Seppo Kauntola, Nokia

Discussion:

Decision: Approved

Document: N4-030310

Title: Mn WID update

Source: Siemens

Presented: Mr. Peter Schmitt, Siemens

Discussion:

Decision: Approved

Document: N4-030207/N2-030130

Title: Enhancement of dialled service for CAMEL4 in Release 6

Source: Samsung

Presented: Mr. Richard Brook, Samsung

Discussion:

- All the references for Camel phase 4 needs to be removed.
- Need to add the unique ID of the parent feature in section 14b. This will be provided by SA1 secretary.
- CN2 document will be revised as N4-030144.
 - o Document approved in CN2 without presentation and will be send to CN#19 for approval.
 - o Document noted in CN4.

Decision: Noted

6 Release 6

6.1 Network domain security

6.2 GPRS

Document: N4-030091

CR: 29.060-392 (Rel-6) on

Title: Diagnostic Information in GTP

Source: Nortel Networks

Presented: Dr. Daniel Warren, Nortel Networks

Discussion:

- Lucent: If the message is corrupted in transit, the lower layer protocol should cause message to be discarded. That means that the GTP application will not receive the message and have the change to response with an error case. The probability of the error against which this mechanism can protect is so low that it does not justify the extra complexity of the protection mechanism.
- Siemens: This protection mechanism is useful only for inter-operability testing. But we don't see this CR is necessary.
- Nortel: The proposal can also deal with situations where the information has been corrupted within the sending node. The mechanism should be optional.
- Nokia ask more clarification of the distinction between aborting and retrying.
 - o Nortel: An abort in the GTP handling means that a retry is possible only if the GTP uses decides to retry.

- Lucent would like to limit the diagnostic information to things which are useful to the GTP user rather than the GTP provider.
- After discussion Nortel decided to withdraw a CR.

Decision: **Withdrawn**

6.3 Location services

Document: **N4-030036**
Title: LS to 3GPP TSG WG CN4, CN, SA3, SA2, and GSMA SerG on the protocol development for the GMLC Lr-interface
Source: Location inter-operability forum
Presented: Mr. Ian Park, chairman
Discussion:

Decision: **Noted**
Document: **N4-030038**
Title: Reply to LS on Lpp interface development
Source: OMA Location WG
Presented: Mr. Ian Park, chairman
Discussion:

Decision: **Noted**

Document: **N4-030039**
Title: Reply to Response to LS LIF SIG 020509 (S2-023120)
 LS on the review of the LIF roaming TR
Source: OMA Location WG
Presented: Mr. Ian Park, chairman
Discussion:

Decision: **Noted**

Document: **N4-030184**
Title: LS on Request for Inter-GMLC (Lr) Interface Work Item progress report
Source: SA2
Presented: Mr. Nick Russell, Vodafone
Discussion:

Decision: **Noted**

Document: **N4-030175**
Title: LS on Request for Inter-GMLC (Lr) Interface Work Item progress report
Source: SA2
Presented: Mr. Panagiotis Dimitroulas, Ericsson
Discussion:

Decision: **Noted**

Document: **N4-030152**
CR: 29.002-566 (Rel-6)
Title: Introduction of MSC Number in MAP-SEND-IDENTIFICATION message
Source: Ericsson
Presented: Mr. Panagiotis Dimitroulas, Ericsson
Discussion:

- Siemens: In section 8.1.4.1 you have add "The MAP_SEND_IDENTIFICATION service is the preferred service, which could be used between a VLR and a previous VLR to retrieve identification data." Is there also some other service you can use? The indication is not clear and the addition of text should be removed. If we want to clarify this, it should be done in stage 2 specification.
 - o Supported by Siemens & Vodafone.
 - Ericsson agreed to remove the second sentence in chapter 8.1.4.1.

Decision: Revised to N4-030222

Document: N4-030222
CR: 29.002-566r1 (Rel-6)
Title: Introduction of MSC Number in MAP-SEND-IDENTIFICATION message
Source: Ericsson
Presented:
Discussion:

Decision: Agreed without presentation

Document: N4-030084
CR: 29.060-390 (Rel-6)
Title: Introduction of SGSN Number in SGSN Context Request message
Source: Ericsson
Presented: Ms. Anna Jernryd, Ericsson
Discussion:

- Behaviour of [the](#) old SGSN if it doesn't [receive the SGSM number from](#) the new SGSN. [needs to be specified.](#)
 - o Possibly by reference to 23.271.
- Reference number 23.003 will be added.

Decision: Revised to N4-030224

Document: N4-030224
CR: 29.060-390r1
Title: Introduction of SGSN Number in SGSN Context Request message
Source: Ericsson
Presented: Ms. Anna Jernryd, Ericsson
Discussion:

- Nokia proposed to re-use the MSISDN to identify the SGSN.
 - o Lucent don't see reason for this.
 - o Nokia withdrawn the proposal.
- Category is changed [as to B](#) ~~with~~ [which](#) mean the creation of 29.060 Rel-6.

Decision: Agreed

Document: N4-030265
CR: 29.060-403
Title: Introduction of SGSN number in Forward Relocation Response message
Source: Ericsson
Presented:
Discussion:

- The version for correspond approval will be available 12:00 CET 21st February 2003 on CN2 & CN4 mailing list.
- If no objection before 12:00 CET 28th February document will be sent to CN#19 for approval.

Decision: Agreed 28th February

Document: N4-030054
CR: 29.002-529 (Rel-6)
Title: Addition of LCS Capability Set 4
Source: Nokia
Presented: Mr. Jari Jansson, Nokia
Discussion:

Decision: Agreed

6.4 TrFO/codec control

Document: N4-030167
Title: Negotiation of lu UP framing protocol mode
Source: Siemens
Presented: Dr. Thomas Belling, Siemens
Discussion:

- CN4 decided adopt the working assumption that the PFP negotiation should be treated separately from lu-UP mode negotiation.

Decision: Noted

Document: N4-030166
CR: 23.205-040
Title: Negotiation of lu UP framing protocol mode
Source: Siemens
Presented: Dr. Thomas Belling, Siemens
Discussion:

- Ericsson would like to see the reasoning for including various call cases.
- Source will take further comments offline, and prepare a revised version for the CN4#19 meeting in San Diego, US.

Decision: Noted

Document: N4-030223
Title: Negotiation of lu UP framing protocol mode
Source: [Ericsson](#)~~Siemens~~
Presented: Mr. Phil Hodges, Ericsson
Discussion:

- Ericsson have concern over the low level of response to the questionnaire. They proposed that CN4 should seriously consider asking for the WI to be deleted.
- CN4 chairman will report to CN that there is low level of support in CN4, and ask for the WI to be deleted if there is no more support forthcoming.

Decision: Noted

6.5 Mn interface protocol

Document: N4-030028
Title: Media Gateway Control Function (MGCF) – IM Media Gateway
Source: Editor
Presented: Mr. Peter Schmitt, Siemens
Discussion:

- The current version of 3GPP TS 29.332 is 0.1.0.
- The added information in 13.2.1 belongs under 3GPP TS 23.205 stage 2.
 - o Siemens: They have decided in CN3 that they do not include these changes to stage 2. The changes should be in stage 3.
- After the LS from CN3 (N4-030274) editor commented that the tables in 13.1.2.1 & 13.1.2.2 should be struck out and the result should be used as the basic for further development.
- After discussion of N4-030203, Ericsson bring up the point that CN4 need material from 29.163 on which to base our content of 29.332. The logical consequence of this is that CN4 can't make progress on 29.332 during this meeting.

Decision: Revised to N4-030290

Document: N4-030290
Title: Media Gateway Control Function (MGCF) – IM Media Gateway
Source: Editor
Presented: Mr. Peter Schmitt, Siemens
Discussion:

Decision: **Approved as basis for further work**

Document: N4-030203
Title: Discussion Paper On Proposed Structure Of Mn Interface
Source: Ericsson
Presented: Mr. Phil Hodges, Ericsson
Discussion:

- Proposal: The proposed split of functionality between TS 29.163 and TS 29.332, namely not to provide a normative textual description of the procedures, but only a list of parameters and values (where applicable) of the procedures within TS 29.332 should not be adopted. The TS should remain a MGW interface specification that defines the MGW behaviour for a given Mn interface procedure, in the same way that the Mc specification has been formulated.
- Siemens point to the distinction between the Mc interface.
 - o Ericsson: The Q.1950 model is half-call, so the two sides of the bearer termination in the MGW and the corresponding terminations in the MGCF are treated separately.
 - Siemens would like to separate the different interworking cases.
- Ericsson would like to see the same level of description in 29.332 as in 29.232.
 - o Siemens can accept this in principle but they would like to avoid overlap or underlap between 29.332 & 29.163.
- Ericsson: 29.332 should document the behaviour of the MGW in handling messages from the MGCF so that the MGW designer can rely on it without the need to refer to the stage 2 description in 29.163; 29.163 should document the behaviour of the MGCF in interworking between IMS & CS, and the way in which the MGCF invokes the Mn interface signalling procedures.
- Chairman: We should send a LS to CN3 about the concern we have.
 - o LS is N4-030225

Decision: **Noted**

Document: N4-030225
Title: LS to CN3 on Proposed Split of work between 29.163 & 29.332
Source: Ericsson
Presented: Mr. Phil Hodges, Ericsson
Discussion:

Decision: **Approved**

Document: N4-030274
Title: LS reply to CN4 on Proposed Split Of Work between 29.163 and 29.332
Source: Ericsson
Presented: Mr. Phil Hodges, Ericsson
Discussion:

Decision: **Noted**

6.6 SMS

Document: N4-030037
Title: LS on SS barring for SMS transfer over GPRS
Source: CN
Presented: Mr. Ian Park, Vodafone
Discussion:

Decision: Noted

Document: N4-030043
Title: LS on control of SS barring for SMS transfer over GPRS
Source: SA1
Presented: Mr. Peter Schmitt, Siemens
Discussion:

Decision: Noted

Document: N4-030023
CR: 29.002-509r2
Title: Introduction of Call Barring for SMS in PS domain
Source: NTT DoCoMo, NTT Comware, Vodafone
Presented: Mr. Ian Park, Vodafone
Discussion:

- Editorial corrections have to be made.

Decision: Revised to N4-030234

Document: N4-030234
CR: 29.002-509r3
Title: Introduction of Call Barring for SMS in PS domain
Source: NTT DoCoMo, NTT Comware, Vodafone
Presented:
Discussion:

Decision: Agreed without presentation

Document: N4-030160
CR: 23.011-003r2
Title: Introduction of Call Barring for SMS in PS domain
Source: NTT DoCoMo, NTT Comware
Presented: Mr. Daisuke Igarashi, NTT DoCoMo
Discussion:

- Editorial corrections have to be made.

Decision: Revised to N4-030235

Document: N4-030235
CR: 23.011-003r3
Title: Introduction of Call Barring for SMS in PS domain
Source: NTT DoCoMo, NTT Comware
Presented:
Discussion:

Decision: Agreed without presentation

Document: N4-030161
CR: 23.016-030r1
Title: Introduction of Call Barring for SMS in PS domain
Source: NTT DoCoMo, NTT Comware
Presented: Mr. Daisuke Igarashi, NTT DoCoMo
Discussion:

Decision: Agreed

Document: N4-030162
CR: 23.088-003r1
Title: Introducing SMS Call Barring in PS domain
Source: NTT DoCoMo, NTT Comware
Presented: Mr. Daisuke Igarashi, NTT DoCoMo
Discussion:

Decision: Agreed

Document: N4-030163
CR: 24.088-001r1
Title: Introducing SMS Call Barring in PS domain
Source: NTT DoCoMo, NTT Comware
Presented: Mr. Daisuke Igarashi, NTT DoCoMo
Discussion:

- Ericsson: The text in 1.5 should be removed.
 - o Accept by the CN4

Decision: Revised to N4-030236

Document: N4-030236
CR: 24.088-001r2
Title: Introducing SMS Call Barring in PS domain
Source: NTT DoCoMo, NTT Comware
Presented:
Discussion:

Decision: Agreed without presentation

6.7 Camel Phase 4+

Document: N4-030171/N2-030064
Title: Negotiation for enhanced dialled services capabilities
Source: Nokia
Presented: Mr. Keijo Palviainen
Discussion:

- **Proposal 4:** No negotiation at all towards HLR
 - o HLR would not be able to take necessary action if EDS is not supported (set barring/ODB, download CAMEL4 D-CSI etc).
 - o Easiest to specify in 3GPP.
 - o SSP could negotiate this capability to SCP. SCP could take necessary action. But then HLR/HPLMN would have to apply different mechanism what we have used so far.
- Option 4 was the favourite in CN2.
- Proposal 4 was agreed by CN2/CN4 joint session.

Decision: Noted

Document: N4-030055/N2-030040
CR: 29.002-525
Title: Enhancements for the Partial Implementation for Enhanced Dialled Services
Source: Alcatel
Presented:
Discussion:

Decision: Noted

Document: N4-030073/N2-030047
CR: 23.018-113
Title: Implementation of enhanced dialled service
Source: Samsung Electronics, SK Telecom
Presented:
Discussion:

- Vodafone: CN2 haven't done any discussion about SDL modelling.
- CN2 will do more work before CN4 review the proposed changes to 23.018.

Decision: **Noted**

Document: N4-030074/N2-030048
CR: 29.002-537
Title: Handling of partial implementation for enhanced dialled service
Source: Samsung Electronics, SK Telecom
Presented:
Discussion:

Decision: **Noted**

6.8 Any other business for Release 6

6.8.1 Priority service

Document: **N4-030024**
Title: Optional additional priority level for subscription to accommodate Priority Service
CR: 23.067-011
Source: Telcordia Technologies
Presented: Mr. James Garrahan, Telcordia Technologies
Discussion:

- Linked CR already agreed in SA plenary.
- The category will be TEI6.
- Source will systematically replace all the "can" as "may" in chapter 4.

Decision: **Revised to N4-030228**

Document: **N4-030228**
Title: Optional additional priority level for subscription to accommodate Priority Service
CR: 23.067-011r1
Source: Telcordia Technologies
Presented:
Discussion:

Decision: **Agreed without presentation**

6.8.2 MAP protocol

Document: **N4-030061**
Title: Incrementing ASN.1 module versions
CR: 29.002-526
Source: Siemens
Presented: Mr. Ulrich Wiehe, Siemens
Discussion:

Decision: **Agreed**

6.8.3 GUP

Document: **N4-030158**
Title: GUP work in CN4
Source: Nokia

Presented: Mr. Seppo Kauntola, Nokia

Discussion:

- CN4 agreed that we should have a separate GUP WID. [Ericsson and Nortel think the timescales are over-optimistic, given the current progress on stage 1 & stage 2.](#)
- Stage 3 work can be completed in CN#22.
- Nokia is willing to offer Rapporteur for stage 3 work.

Decision: **Noted**

6.8.4 Basic call handling

Document: **N4-030179**

Title: Clarification of interaction between ongoing call and cancel location

CR: 23.012-009

Source: NTT DoCoMo

Presented: Mr. Mr. Daisuke Igarashi, NTT DoCoMo

Discussion:

- After discussion DoCoMo decide to withdraw a CR.

Decision: **Withdrawn**

6.8.5 Video conferencing

Document: **N4-030204**

Title: Input document from ITU-16 on Video Conference Package

Source: Ericsson

Presented: Mr. Phil Hodges, Ericsson

Discussion:

- The document is provided only for information.
- The version with attachment will be provided during meeting on the server.

Decision: **Noted**

7 Release 5

7.1 Subscriber data handling for the IMS

7.1.1 HSS – CSCF (Cx) & SLF – CSCF (Dx) interfaces

Document: **N4-030185**

Title: LS on Subscribed Media

Source: SA2

Presented: Mr. Ulrich Wiehe, Siemens

Discussion:

- Siemens have prepared the documents 188 & 189 as requested in LS.

Decision: **Noted**

Document: **N4-030012**

CR: 29.228-024

Title: Clean-up of SMS procedures chapter

Source: Ericsson

Presented: Mr. Miguel-Angel Pallares, Ericsson

Discussion:

- In chapter 6.1.3.1; "One on identity can be present" should be "Exactly one identity shall be present".

Decision: **Revised to N4-030240**

Document: **N4-030240**

CR: 29.228-024r1
Title: Clean-up of SMS procedures chapter
Source: Ericsson
Presented: Mr. Miguel-Angel Pallares, Ericsson
Discussion:

Decision: **Agreed**

Document: **N4-030238**
CR: 29.228-025r1
Title: Clarification of service profile download at service profile modification
Source: Ericsson, Nokia
Presented: Mrs. Maria-Carmen Belinchon, Ericsson
Discussion:

Decision: ~~Approved~~[Agreed](#)

Document: **N4-030014**
CR: 29.228-026
Title: Error in definition of Service Point of Interest class
Source: Ericsson
Presented: Mr. Miguel-Angel Pallares, Ericsson
Discussion:

Decision: **Agreed**

Document: **N4-030015**
CR: 29.228-027
Title: Deletion of Annex F
Source: Ericsson
Presented: Mrs. Maria-Carmen Belinchon, Ericsson
Discussion:

Decision: **Agreed**

Document: **N4-030016**
CR: 29.228-028
Title: Filter ID field removal in InitialFilterCriteria class
Source: Ericsson
Presented: Mr. Miguel-Angel Pallares, Ericsson
Discussion:

Decision: **Agreed**

Document: **N4-030017**
CR: 29.228-029
Title: Clarification of User-Authorization-Type AVP usage within UAR
Source: Ericsson
Presented: Mrs. Maria-Carmen Belinchon, Ericsson
Discussion:

Decision: **Agreed**

Document: **N4-030018**
CR: 23.008-065
Title: Clarification of IMPU barring handling
Source: Ericsson
Presented: Mr. Miguel-Angel Pallares, Ericsson
Discussion:
- Editorial improvement in chapter 3.1.3.

Decision: **Revised to N4-030241**

Document: N4-030241
CR: 23.008-065r1
Title: Clarification of IMPU barring handling
Source: Ericsson
Presented:
Discussion:

Decision: Agreed without presentation

Document: N4-030019
CR: 29.228-030
Title: Clarification of IMPU barring handling
Source: Ericsson
Presented: Mr. Miguel-Angel Pallares, Ericsson
Discussion:

- Editorial improvement in Annex B.2.1.

Decision: Revised to N4-030242

Document: N4-030242
CR: 29.228-030r1
Title: Clarification of IMPU barring handling
Source: Ericsson
Presented:
Discussion:

Decision: Agreed without presentation

Document: N4-030020
CR: 29.229-012
Title: Update TS 29.229 after Diameter has become RFC
Source: Ericsson
Presented: Mrs. Maria-Carmen Belinchon, Ericsson
Discussion:

- H3G: We are pointing to anon-existent RFC rather than a draft.
 - o CN chairman: We should point the latest draft until the RFC is published.
 - Agreed by meeting. If RFC is published before CR is implemented, MCC will replace the draft by correct RFC in reference section.
- Siemens & Nokia: The first line of UAR command definition should exclude "TBD". It seems that Diameter draft RFC is internally inconsistent between figure and the existing text.
- Ericsson: With the CR we have 2 options:
 1. To keep the CR as it is and hope that the base specification is updated.
 2. Update the CR to replace to existing "TBD" with editor's note
 - Lucent: We should keep the CR as it is.

Decision: Revised to N4-030244

Document: N4-030244
CR: 29.229-012r1
Title: Update TS 29.229 after Diameter has become RFC
Source: Ericsson
Presented:
Discussion:

Decision: Agreed without presentation

Document: N4-030025
CR: 29.228-031
Title: Update TS 29.228 after Diameter has become RFC
Source: Ericsson
Presented: Mrs. Maria-Carmen Belinchon, Ericsson
Discussion:

- Diameter RFC number needs to be added in the reference.
 - o This need a placeholder because there is not an RFC number yet.
- Systematic replacement of "will" by "shall" is required

Decision: Revised to N4-030243

Document: N4-030243
CR: 29.228-031r1
Title: Update TS 29.228 after Diameter has become RFC
Source: Ericsson
Presented:
Discussion:

Decision: Agreed without presentation

Document: N4-030075
CR: 29.228-032
Title: The default public user identity in the Server-Assignment-Answer
Source: Nokia
Presented: Mr. Kalle Tammi, Nokia
Discussion:

- The commas in chapter 6.5.11 shall be removed. Also some word smiting were made in the same chapter.

Decision: Revised to N4-030245

Document: N4-030245
CR: 29.228-032r1
Title: The default public user identity in the Server-Assignment-Answer
Source: Nokia
Presented:
Discussion:

Decision: Agreed without presentation

Document: N4-030076
CR: 29.228-033
Title: Replacement of the NAS-Session-Key AVP
Source: Nokia
Presented: Mr. Kalle Tammi, Nokia
Discussion:

- Ericsson: Where are the new confidentiality key & integrity key defined? We would like to see references in the specification.
 - o Nokia: A reference is already defined in 7.9.5 & 7.9.6.
- On the encoding we would need to be ensure that CN1 are aware and reflect the use of base 64 in their specification 3GPP TS 24.228 & 24.229.
 - o H3G: It's not sure CN1 specifications are affected.

Decision: Revised to N4-030246

Document: N4-030246
CR: 29.228-033r1
Title: Replacement of the NAS-Session-Key AVP
Source: Nokia
Presented:
Discussion:

Decision: Agreed without presentation

Document: N4-030077
CR: 29.229-013
Title: Replacement of the NAS-Session-Key AVP
Source: Nokia
Presented: Mr. Kalle Tammi, Nokia
Discussion:

Decision: Agreed

Document: N4-030239
CR: 29.228-034r1
Title: Corrections to service profile
Source: Nokia
Presented: Mr. Kalle Tammi, Nokia
Discussion:

- Initial "t" of each data type definition in table E.1& E.2 should be lower case.

Decision: Revised to N4-030247

Document: N4-030247
CR: 29.228-034r2
Title: Corrections to service profile
Source: Nokia
Presented:
Discussion:

Decision: Agreed without presentation

Document: N4-030079
CR: 29.229-014
Title: Correction to the values of User-Authorisation-Type AVP
Source: Nokia
Presented: Mr. Kalle Tammi, Nokia
Discussion:

Decision: Agreed

Document: N4-030095
CR: 29.228-035
Title: Clarification on the re-allocation of S-CSCF
Source: France Telecom
Presented: Mr. Lionel Morand, France Telecom
Discussion:

- "Consequences if not approved" need improvement.
- Nokia: There are other places where we may need to change the result code from DIAMETER_SUBSEQUENT_REGISTRATION to DIAMETER_FIRST_REGISTRATION.
 - o Ericsson don't like the prospect of wholesale change.
- H3G: It depends on whether the HSS regards the user as registered or not when a profile has been sent to an S-CSCF for an MT call.

Decision: Revised to N4-030248

Document: N4-030248
CR: 29.228-035r1

Title: Clarification on the re-allocation of S-CSCF
Source: France Telecom
Presented: Mr. Lionel Morand, France Telecom
Discussion:
- Editorial improvement in additional text will be made.

Decision: **Revised to N4-030312**

Document: **N4-030312**
CR: 29.228-035r2
Title: Clarification on the re-allocation of S-CSCF
Source: France Telecom
Presented:
Discussion:

Decision: **Agreed without presentation**

Document: **N4-030096**
CR: 29.229-015
Title: Clarification on the re-allocation of S-CSCF
Source: France Telecom
Presented: Mr. Lionel Morand, France Telecom
Discussion:

- Consequences if not approved need improvement.
- Nokia: There are some other places in the specification where we may need to change the result code from "DIAMETER_SUBSEQUENT_REGISTRATION" to "DIAMETER_FIRST_REGISTRATION".
- H3G: It depends on whether the HSS regards the user as registered or not when a profile has been sent to an S-CSCF for a MT call.

Decision: **Revised to N4-030277**

Document: **N4-030277**
CR: 29.229-015r1
Title: Clarification on the re-allocation of S-CSCF
Source: France Telecom
Presented: Mr. Lionel Morand, France Telecom
Discussion:

Decision: **Agreed**

Document: **N4-030229**
CR: 29.228-036r1
Title: Network-Initiated Re-authentication
Source: France Telecom
Presented: Mr. Lionel Morand, France Telecom
Discussion:

- Ericsson: This CR is not acceptable for us if we are not 100% sure that the S-CSCF reports the outcome of authentication.
 - o H3G: This could be handled by adding a statement in this CR to require the S-CSCF to report the authentication result.
- Nokia: Do we have a stage 2 requirements for this kind of behaviour, if not the category of CR is not correct. The CR is functional modification. Then it is better to use deregistration to trigger re-authentication.
 - o H3G: We can't accept de-registration, because it can kill any active IMS sessions.
- H3G: 23.228 doesn't have any requirement for re-authentication triggered by the HSS.
- LS is needed (to: CN1, SA1 & SA2) to ask if there are requirement for re-authentication initiated by the HSS without deregistration.
 - o LS is N4-030249

Decision: **Postponed to CN4#19**

Document: N4-030249
Title: [LS on clarification on the requirement for UE re-authentication initiated by HSS](#)~~Network-Initiated Re-authentication~~
Source: France Telecom
Presented: Mr. Lionel Morand, France Telecom
Discussion:

Decision: **Approved**

Document: N4-030230
CR: 29.229-016r1
Title: Network-Initiated Re-authentication
Source: France Telecom
Presented:
Discussion:

Decision: **Postponed to CN4#19**

Document: N4-030226
CR: 29.228-037r1
Title: Handling of non supported data in the S-CSCF when the profile is being updated
Source: Ericsson
Presented: Mr. Miguel-Angel Pallares, Ericsson
Discussion:

- Siemens: Some explanatory text is needed to show that these are the reasons for sending this result code
 - o Ericsson agree on the principle

Decision: **Revised to N4-030250**

Document: N4-030250
CR: 29.228-037r2
Title: Handling of non supported data in the S-CSCF when the profile is being updated
Source: Ericsson
Presented: Mr. Miguel-Angel Pallares, Ericsson
Discussion:

- Nokia: The current wording needs improvement in table 6.2.2.1.1

Decision: **Revised to N4-030314**

Document: N4-030314
CR: 29.228-037r3
Title: Handling of non supported data in the S-CSCF when the profile is being updated
Source: Ericsson
Presented: Mr. Miguel-Angel Pallares, Ericsson
Discussion:

Decision: **Agreed**

Document: N4-030237
CR: 29.229-018r1
Title: Handling of non supported data in the S-CSCF when the profile is being updated
Source: Ericsson
Presented: Mr. Miguel-Angel Pallares, Ericsson
Discussion:

Decision: **Agreed**

Document: N4-030119
CR: 29.228-038
Title: Change of SPI to SPT
Source: NEC
Presented: Mr. Yukio Kamanami, NEC
Discussion:

- Nokia: XML schema needs to be updated.
- Ericsson: There are several places where SPI hasn't changed to SPT. These need to be updated.

Decision: Revised to N4-030261

Document: N4-030261
CR: 29.228-038r1
Title: Change of SPI to SPT
Source: NEC
Presented: Mr. Yukio Kamanami, NEC
Discussion:

Decision: Agreed

Document: N4-030120
CR: 29.228-039
Title: Change of intial filter criteria
Source: NEC
Presented: Mr. Yukio Kamanami, NEC
Discussion:

- CN1 hasn't agreed the changes in 23.218 -> CN4 have to wait when the decision will be made in CN1.

Decision: Withdrawn

Document: N4-030121
CR: 29.229-017
Title: Change of intial filter criteria
Source: NEC
Presented:
Discussion:

Decision: Withdrawn

Document: N4-030188
CR: 23.008-067
Title: Definition of Subscribed Media Profile Identifier
Source: Siemens
Presented: Mr. Ulrich Wiehe, Siemens
Discussion:

- Ericsson: Revision of the text is needed in chapter 3.5.1 to make it clear that the data indicate the permitted codecs.
 - o H3G & Nokia: We don't like the term "payload types".

Decision: Revised to N4-030251

Document: N4-030251
CR: 23.008-067r1
Title: Definition of Subscribed Media Profile Identifier
Source: Siemens
Presented: Mr. Ulrich Wiehe, Siemens
Discussion:

Decision: Agreed

Document: N4-030189
CR: 29.228-040
Title: Definition of Subscribed Media Profile Identifier
Source: Siemens
Presented: Mr. Ulrich Wiehe, Siemens
Discussion:

Decision: Revised to N4-020252

Document: N4-030252
CR: 29.228-040r1
Title: Definition of Subscribed Media Profile Identifier
Source: Siemens
Presented: Mr. Ulrich Wiehe, Siemens
Discussion:

Decision: Agreed

7.1.2 HSS – SIP AS (Sh) interface

Document: N4-030049
Title: LS Response on requirements for one AS to be able to read and/or modify the initial filter criteria of another AS
Source: SA2
Presented: Mr. Ulrich Wiehe, Siemens
Discussion:

- Ericsson: There is an LS coming from CN1 to tell us that there is no requirement for one AS to write the filter criteria data for another AS.

Decision: Noted

Document: N4-030257
CR: 29.328-016r1
Title: Update TS 29.328 after Diameter has become RFC
Source: Ericsson
Presented: Mr. Miguel-Angel Pallares, Ericsson
Discussion:

- Systematic replacement of "Cx/Dx" by "Sh".

Decision: Revised to N4-020262

Document: N4-030262
CR: 29.328-016r2
Title: Update TS 29.328 after Diameter has become RFC
Source: Ericsson
Presented:
Discussion:

Decision: Agreed without presentation

Document: N4-030256
CR: 29.329-007r1
Title: Update TS 29.329 after Diameter has become RFC
Source: Ericsson
Presented: Mrs. Maria-Carmen Belinchon, Ericsson
Discussion:

- Systematic replacement of "Cx/Dx" by "Sh".

Decision: Revised to N4-020263

Document: N4-020263
CR: 29.329-007r2

Title: Update TS 29.329 after Diameter has become RFC
Source: Ericsson
Presented:
Discussion:

Decision: **Agreed without presentation**

Document: **N4-030022**
CR: 29.328-015
Title: Deletion of Annex E
Source: Ericsson
Presented: Mr. Miguel-Angel Pallares, Ericsson
Discussion:

Decision: **Agreed**

Document: **N4-030056**
CR: 29.328-012r1
Title: Initial Filter Criteria
Source: Siemens
Presented: Mr. Ulrich Wiehe, Siemens
Discussion:

Decision: **Revised to N4-030276**

Document: **N4-030276**
CR: 29.328-012r2
Title: Initial Filter Criteria
Source: Siemens
Presented: Mr. Ulrich Wiehe, Siemens
Discussion:

- Nokia: There is an internal inconsistencies with 29.329 introduced by this change.
- The effect of our approval of N4-030266 (CR 29.328-017) we need to align the text in here with the text in N4-030266. There needs to be a strong reminder on the cover sheet of N4-030315 to this effect.

Decision: **Revised to N4-030315**

Document: **N4-030315**
CR: 29.328-012r3
Title: Initial Filter Criteria
Source: Siemens
Presented:
Discussion:

- The version for correspond approval will be available 12:00 CET 21st February 2003 on CN2 & CN4 mailing list.
- If no objection before 12:00 CET 28th February document will be sent to CN#19 for approval.

Decision: **Agreed 28th February**

Document: **N4-030316**
CR: 29.329-013
Title: RegistrationState alignment
Source: Siemens
Presented:
Discussion:

- The version for correspond approval will be available 12:00 CET 21st February 2003 on CN2 & CN4 mailing list.
- If no objection before 12:00 CET 28th February document will be sent to CN#19 for approval.

Decision: **Agreed 28th February**

Document: N4-030273
Title: LS Response on requirements for one AS to be able to read and/or modify the initial filter criteria of another AS
Source: CN1
Presented: Mr. Ulrich Wiehe, Siemens
Discussion:

Decision: Noted

Document: N4-030057
CR: 29.329-005r1
Title: Initial Filter Criteria
Source: Siemens
Presented: Mr. Ulrich Wiehe, Siemens
Discussion:

- Siemens: Reason for changes need to be updated.

Decision: Agreed

Document: N4-030058
CR: 29.328-010r1
Title: Synchronisation of transparent data
Source: Siemens
Presented: Mr. Ulrich Wiehe, Siemens
Discussion:

- Nokia: Does the mechanism requires the AS subscribing to notification of change if it wants to update the shared data.
 - o Siemens: No it doesn't.
 - o Nokia: The text mandates that the AS subscribes to notification of change which means that we can't agree with proposal changes.
 - o Ericsson believe the new error code is useful.
- Vodafone: What the action on the AS should be if it receives the DIAMETER_TANSPARENT_DATA_UPDATE_NOT_COMPLETE error.
 - o Siemens: It is an implementation issue.
- Nokia agree that the mechanism is needed but the wording should be revised.
- Siemens & Nokia found the agreement that the HSS may shall check whether the AS has subscribed to notification.

Decision: Revised to N4-030309

Document: N4-030309
CR: 29.328-010r2
Title: Synchronisation of transparent data
Source: Siemens
Presented: Mr. Ulrich Wiehe, Siemens
Discussion:

- Nokia: We don't agree with Siemens's proposal because of the extra load on the HSS and the problems with acknowledgement of the successful read. They have a counter proposal with France Telecom
 - o Ericsson challenge the Nokia's technical analysis.

Decision: Postponed to CN4#19

Document: N4-030059
CR: 29.329-004r1
Title: Synchronisation of transparent data
Source: Siemens
Presented: Mr. Ulrich Wiehe, Siemens
Discussion:

Decision: Postponed to CN4#19

Document: N4-030080
CR: 29.328-017
Title: Correction to application server identity
Source: Nokia, Ericsson
Presented: Mr. Kalle Tammi, Nokia
Discussion:

- Editorial corrections will be made.

Decision: Revised to N4-030266

Document: N4-030266
CR: 29.328-017r1
Title: Correction to application server identity
Source: Nokia, Ericsson
Presented:
Discussion:

Decision: Agreed without presentation

Document: N4-030103
CR: 29.329-008
Title: Correction to application server identity
Source: Ericsson, Nokia
Presented: Mr. Miguel-Angel Pallares, Ericsson
Discussion:

Decision: Agreed

Document: N4-030190
CR: 29.328-018r1
Title: Clarification on Sh interface for charging purposes
Source: NEC
Presented: Mr. Yukio Kamanami, NEC
Discussion:

- Lucent: We would like to have more specific reference to 24.229 for the definition of "Charginginformation".Nokia: The information should be in 29.229.
- CN4 agreement: The best place would be an explicit specification in 29.328 table D.2.
- Ericsson: We haven't got an LS from SA2 on this topic.
- Lucent additional proposed a note: "The use of Sh interface to retrieve charging function addresses is not intended as a general purpose alternative to receiving charging function addresses from the ISC interfaces. Rather, it is meant to address a special case where the AS needs to interact with the charging system before initiating a request to a subscriber when the AS has not received the third party register for that subscriber".
- Ericsson: "subscriber" should be systematically replaced with "user".
- Ericsson: Normative text is needed to define the handling of clash between the charging function addresses received over the ISC interface and those received over the Sh interface. Specially the addresses received over ISC interface should take precedence.
- Lucent: "charging address" should be replaced systematically to "charging function address" to align with CN1 specifications.
- Vodafone: Why do we need to avoid multiple CF addresses?
 - o Ericsson: The reason is that we can ensure there is no clash by specifying that the CF address sent over the Sh is the same as the CF address sent over the Cx/Dx.
- Nokia: XML schema should be updated.

Decision: Revised N4-030267

Document: N4-030267
CR: 29.328-018r2
Title: Clarification on Sh interface for charging purposes
Source: NEC
Presented: Mr. Yukio Kamanami, NEC
Discussion:
- Linked CRs 23.218 & 29.329 should be shown in "Other specs affected"

Decision: Agreed

Document: N4-030123
CR: 29.329-009
Title: Clarification on Sh interface for charging purposes
Source: NEC
Presented: Mr. Yukio Kamanami, NEC
Discussion:

Decision: Agreed

Document: N4-030124
CR: 29.328-019
Title: Change of SPI to SPT
Source: NEC
Presented: Mr. Yukio Kamanami, NEC
Discussion:
- XML schema should be updated.

Decision: Revised N4-030268

Document: N4-030268
CR: 29.328-019r1
Title: Change of SPI to SPT
Source: NEC
Presented:
Discussion:

Decision: Agreed

Document: N4-030125
CR: 29.328-020
Title: Change of initial filter criteria
Source: NEC
Presented:
Discussion:

Decision: Withdrawn

Document: N4-030264
CR: 29.329-011
Title: Missing code-point in Data-Reference AVP
Source: Ericsson
Presented: Mr. Miguel-Angel Pallares, Ericsson
Discussion:

Decision: Agreed

7.2 CAMEL phase 4

Document: N4-030206/N2-030109
CR: 23.081-007r1
Title: Correction to the inclusion of Generic Number in SRI

Source: Ericsson
Presented: Mr. Rogier Noldus, Ericsson
Discussion:

- Vodafone: In table 1.2.3.2 “additional calling party number” should be replaced by “Generic number”.
 - o Ericsson don't see the reason for that kind of change.
- The correct title should be: "Correction to interworking between CLIP enhancement and CAMEL".

Decision: **Agreed**

Document: **N4-030155**
CR: 23.018-115 (Rel-5)
Title: Stopping No_Answer timer in the case of forwarding notification
Source: Ericsson
Presented: Mr. Rogier Noldus, Ericsson
Discussion:

- Further study is needed. The change in GMSC is not appropriate.

Decision: **Revised to N4-030210**

Document: **N4-030210**
CR: 23.018-115r1 (Rel-5)
Title: Stopping No_Answer timer in the case of forwarding notification
Source: Ericsson
Presented: Mr. Rogier Noldus, Ericsson
Discussion:

- CN2 decided to postpone the CR for the next meeting.

Decision: **Postponed to CN4#19**

Document: **N4-030156**
CR: 23.079-025 (Rel-5)
Title: Correction to interaction between ORLCF and forwarding notification
Source: Ericsson
Presented: Mr. Rogier Noldus, Ericsson
Discussion:

- Alcatel: We are confused because the aim of the CR has changed after it has been presented in CN2.
 - o CN2 chairman: We had several alternatives in CN2.
 - o Ericsson: This is an original CR we are presenting in this meeting.
- Ericsson: If we do the Route Permitted check before the report to the gsmSCF and the gsmSCF doesn't modify the destination address then there is no problem; if the gsmSCF modifies the destination address then we have to accept the possibility that the service logic may break the rules for the cost of the forwarding.
 - o Vodafone: The gsmSCF has to basic to carry out the route permitted check.

Decision: **Revised to N4-030212/N2-030146**

Document: **N4-030212/N2-030146**
CR: 23.079-025r1 (Rel-5)
Title: Correction to interaction between ORLCF and forwarding notification
Source: Ericsson
Presented:
Discussion:

Decision: **Postponed to CN4#19**

Document: **N4-030208**
CR: 29.002-571 (Rel-5)
Title: Defining default ASN value for requested domain in ATI request
Source: Ericsson
Presented: Mr. Rogier Noldus, Ericsson

Discussion:

Decision: Postponed to CN4#19

Document: N4-030209

CR: 29.002-572 (Rel-6)

Title: Defining default ASN value for requested domain in ATI request

Source: Ericsson

Presented:

Discussion:

Decision: Postponed to CN4#19

7.3 GPRS

Document: N4-030034

Title: LS on use of Allocation/Retention Priority

Source: GERAN2

Presented: Mr. Nick Russell, Vodafone

Discussion:

- Reply LS to GERAN2
 - o N4-030214

Decision: Noted

Document: N4-030214

Title: LS on use of Allocation/Retention Priority

Source: Siemens

Presented: Mr. Peter Schmitt, Siemens

Discussion:

Decision: Revised to N4-030311

Document: N4-030311

Title: LS on use of Allocation/Retention Priority

Source: Siemens

Presented:

Discussion:

Decision: Approved without presentation

Document: N4-030047

Title: LS on re-use of TEID

Source: SA2

Presented: Ms. Anna Jernryd, Ericsson

Discussion:

- H3G & Nokia: We avoid including any additional text in 29.060 because of duplication.
- CN4 agreed that it is better to not include any additional text in 29.060.
- Reply LS to SA2, copy RAN3
 - o N4-030215

Decision: Noted

Document: N4-030215

Title: Proposed LS to SA2 on re-use of TEID

Source: Ericsson

Presented: Ms. Anna Jernryd, Ericsson

Discussion:

Decision: Approved

Document: N4-030051
Title: LS on Inclusion of Alternative Charging Gateway Address
Source: SA5
Presented: Mr. Seppo Kauntola, Nokia
Discussion:

Decision: Noted

Document: N4-030231
CR: 29.060-402
Title: IPv4 and IPv6 form of Charging Gateway Address
Source: SA5/Nokia
Presented: Mr. Seppo Kauntola, Nokia
Discussion:

- Vodafone: Do the two charging gateway addresses necessarily have to point the same Charging Gateway?
 - o Nokia: This have to be decided in SA5.
 - o Nortel: The both addresses have to point to the same CG.
- Megisto: What protection there are to ensure that both IP addresses point to the same CG. It is non-trivial to ensure that lpv4 and lpv6 addresses do the point to the same node.
 - o Nokia: This is on operation and maintenance issue .
- Nortel & Megisto: We shouldn't need to specify this in 29.060. Only one address needs to be transported. If the charging gateway is addressable in both modes the we transfer only on address.
- CN4 agreed that we don't need to transport two charging addresses.
- **Fujitsu: We should mandate the CG address IE to carry the lpv4 address and the additional CG address to carry lpv6 address.**
- Nokia would like to check
- The in 7.3.2 29.060 should be used as a reference of this CR.
- Lucent: We should not bound too closely by the IP version rules to the Gn-interface
- Megisto: We should take Fujitsu's proposal as a working assumption.
- **CN4 agreed, that Fujitsu's proposal will be the working assumption of the CR.**
- H3G: We should send the LS the SA2 to ask them to consider whether to specify to requirement in 23.060 that the two addresses point to the same charging gateway.
- LS to SA2
 - o N4-030217

Decision: Revised to N4-030269

Document: N4-030269
CR: 29.060-402r1
Title: IPv4 and IPv6 form of Charging Gateway Address
Source: SA5/Nokia
Presented: Mr. Seppo Kauntola, Nokia
Discussion:

Decision: Revised to N4-030320

Document: N4-030320
CR: 29.060-402r2
Title: IPv4 and IPv6 form of Charging Gateway Address
Source: SA5/Nokia
Presented: Mr. Seppo Kauntola, Nokia
Discussion:

Decision: Agreed without presentation

Document: N4-030217
Title: IPv4 and IPv6 form of Charging Gateway Address
Source: H3G
Presented: Mr. Kevan Hobbis, H3G
Discussion:

Decision: **Approved**

Document: N4-030186
Title: LS on QoS for Signalling PDP Context
Source: SA2
Presented: Mr. Nick Russell, Vodafone
Discussion:

- Megisto: CN1 have already taken action on their specification 24.008 which will avoid the need for any change to 29.060.

Decision: **Noted**

Document: N4-030064
CR: 29.060-387
Title: Correction on handling of PCO
Source: Fujitsu
Presented: Mr. Shinichiro Aikawa, Fujitsu
Discussion:

- MCC secretary has changed "Active" to "Activate" after agreement.

Decision: **Agreed**

Document: N4-030082
CR: 29.060-388
Title: Removal of the N3-BUFFER-SIZE parameter
Source: Ericsson
Presented: Ms. Anna Jernryd, Ericsson
Discussion:

- Nokia: We believe that CR is not needed, but on the other hand we don't want to object the CR.

Decision: **Agreed**

Document: N4-030083
CR: 29.060-389
Title: Correction of presence requirement for the PCO IE
Source: Ericsson
Presented: Ms. Anna Jernryd, Ericsson
Discussion:

- Nortel: What the relationship is for this CR to N4-030064? CRs can safely be implemented together.

Decision: **Agreed**

Document: N4-030085
CR: 29.060-391
Title: Addition of MSISDN to GTP Forward Relocation Request message
Source: Nortel Networks
Presented: Dr. Dan Warren, Nortel Networks
Discussion:

- Nokia: Clearer requirements are needed from SA3-LI to include this IE before we change 29.060.
 - o Nortel: We can accept that service requirements are needed.
- Nortel Networks will raise this in SA3-LI, and when CN4 have got the service requirement Nortel can re-present the CR.

Decision: Withdrawn

Document: N4-030112
Title: Security issue with multiple PDP Contexts in GPRS
Source: Vodafone
Presented: Mr. Nick Russell, Vodafone
Discussion:

- Megisto: What viruses rely on the simultaneous existence of 2 PDP context.
 - o Vodafone: Only simpler viruses rely on the through connection.
- Lucent: This problem should be handled at the IP handling layer rather than at the GTP layer and that's why we have to wait service requirements from SA3.
- Vodafone: The practical problem for large companies of maintaining firewall software on a large population of laptops.

Decision: Noted

Document: N4-030159
CR: 29.060-399 (Rel-5) on
Title: Correction of GTP' references
Source: Nokia
Presented: Mr. Seppo Kauntola, Nokia
Discussion:

Decision: Agreed

7.4 LCS in the PS domain

Document: N4-030062
CR: 29.002-527 (Rel-5)
Title: LCS diagnostic alignment
Source: Siemens
Presented: Mr. Ulrich Wiehe, Siemens
Discussion:

Decision: Agreed

Document: N4-030063
CR: 29.002-528 (Rel-6)
Title: LCS diagnostic alignment
Source: Siemens
Presented: Mr. Ulrich Wiehe, Siemens
Discussion:

- This is a Rel-6 mirror CR.

Decision: Agreed

Document: N4-030199
Title: LCS enhancements for GSM based systems
Source: Nortel Networks
Presented: Dr. Daniel Warren, Nortel Networks

Discussion:

- Nortel: Solution for GERAN access is a lot easier than for UTRAN and will provide the useful information.
- Proposal of discussion paper:
 - o CN4 agrees the CRs in N4-030197 (29.002 R5) and N4-030198 (29.002 R6) on the assumption that the change to 23.271 is accepted at SA2
 - o CN4 sends a liaison statement to SA2 informing them of CN4's actions on this matter. A draft LS is included in N4-030200
- The principles of the discussion paper were accepted by CN4 meeting.

Decision: Noted

Document: N4-030197

CR: 29.002-500r2 (Rel-5)

Title: Addition of Positioning Data IE to Provide Subscriber Location and Send Location Report

Source: Nortel Networks

Presented: Dr. Daniel Warren, Nortel Networks

Discussion:

- The position data **may** be included in the message only if the access network is GERAN.
- 7.6.11.11A a second sentence will be removed.
- Editorial clean up is needed.
- Lucent: We should add the reference to the specification 49.031.
 - o Will be checked by the source.

Decision: Revised to N4-030253

Document: N4-030253

CR: 29.002-500r3 (Rel-5)

Title: Addition of Positioning Data IE to Provide Subscriber Location and Send Location Report

Source: Nortel Networks

Presented:

Discussion:

- Linkage to CR 23.271 is noted.

Decision: Agreed without presentation

Document: N4-030254

CR: 29.002-568r2 (Rel-6)

Title: Addition of Positioning Data IE to Provide Subscriber Location and Send Location Report

Source: Nortel Networks

Presented: Dr. Daniel Warren, Nortel Networks

Discussion:

- This is a Rel-6 mirror CR.

Decision: Agreed without presentation

Document: N4-030200

Title: LS on additional parameters in LCS for GERAN Access

Source: Nortel Networks

Presented: Dr. Daniel Warren, Nortel Networks

Discussion:

- A second bullet will be struck out.

Decision: Revised to N4-030255

Document: N4-030255

Title: LS on additional parameters in LCS for GERAN Access

Source: Nortel Networks

Presented: Dr. Daniel Warren, Nortel Networks

Discussion:

Decision: Approved

7.5 Bearer Independent Architecture

Document: N4-030090
CR: 23.205-039
Title: Bearer Release for Iu CS on IP
Source: Nortel Networks
Presented: Dr. Daniel Warren, Nortel Networks
Discussion:

Decision: Revised to N4-030275

Document: N4-030275
CR: 23.205-039r1
Title: Bearer Release for Iu CS on IP
Source: Nortel Networks
Presented:
Discussion:

Decision: Agreed without presentation

Document: N4-030107
CR: 29.232-053
Title: Update to 3GUP package – clarification of Iu Initialisation handling
Source: Ericsson
Presented: Mr. Phil Hodges, Ericsson
Discussion:

Decision: Agreed

Document: N4-030108
CR: 29.232-054
Title: Update to 3GUP package - addition of reference to SDU format definition for Nb interface
Source: Ericsson
Presented: Mr. Phil Hodges, Ericsson
Discussion:

Decision: Revised to N4-030278

Document: N4-030278
CR: 29.232-054r1
Title: Update to 3GUP package - addition of reference to SDU format definition for Nb interface
Source: Ericsson
Presented:
Discussion:

Decision: Agreed without presentation

7.6 Mobile Number Portability

Document: N4-030030
Title: MNP for prepaid subscriber
Source: Orange France
Presented: Mr. Emmanuel Gay, Orange France
Discussion:

- Orange: We think both 2 (A & D) solutions should be implemented.
 - o Vodafone: Only a one solution is needed to implement.
 - o Ericsson: The both solution should be implemented.
- Siemens believe this is a new requirement, not a correction which mean Siemens can't accept this earlier than Rel-6.
 - o Ericsson, TeliaSonera and Lucent believe this is an essential which is needed in Rel-5.

- o [After discussion, Siemens agreed that CRs could be submitted to the plenary for Rel5, reserving the right to object to them at the plenary.](#)

- The principle is agreed by CN4 meeting. Both two solutions A + D should be implemented.

Decision: Noted

Document: N4-030060

CR: 23.066-021 (Rel-5)

Title: IN-based solution for correct charging of calls to ported or non-ported subscribers originated by pre-paid subscribers

Source: Siemens

Presented: Mr. Ulrich Wiehe, Siemens

Discussion:

Decision: Postponed to CN4#19

Document: N4-030150

CR: 23.066-022 (Rel-5)

Title: Incorrect Charging with MNP

Source: Ericsson

Presented: Mr. Panagiotis Dimitroulas, Ericsson

Discussion:

- Siemens would like to challenge the need for so much in the MNP information. All what is needed is the MNP.
- Lucent: Where are the detailed description of number portability status?
 - o Siemens: The detailed description of these values is not needed.
 - o Ericsson: At least three of the values are already covered in MAP specification.
- Vodafone: This is not a Camel4 problem. We would prefer see this is a problem in MNP. We can't see this is not an essential correction on Camel4.
 - o Ericsson: We can agree that discussion should be under MNP Work Item.
- Vodafone: Do we have a clear service requirement for this?
 - o Ericsson: Requirements for MNP calls should be same that for normal calls because stage 1 doesn't say "don't provide the mechanism". [Also – this is not a charging mechanism, it is merely a means to provide MNP info to support existing charging mechanisms.](#)
- Siemens : The Camel phase 4 features for charging notification and enhanced dialed services were taken out of Camel phase 4 after CN#16. This could not be developed in a timescale which would be practical for Rel-5.
- [Vodafone delegate suggests that more time is needed to study the overall proposal.](#)
 - o ~~Agreed by CN2/CN4 joint session. joint session believe that more time is needed to study the overall proposal.~~
- Ericsson: We have heard many different reasons why the CRs are not acceptable, but none of comments are technical oppose.
- Liaison Statement to SA1.
 - o LS N4-030213

Decision: Postponed to CN4#19

Document: N4-030213

Title: LS on charging for prepaid subscribers in an MNP environment

Source: Ericsson

Presented: Mr. Panagiotis Dimitroulas, Ericsson

Discussion:

Decision: Revised to N4-030317

Document: N4-030317

Title: LS on charging for prepaid subscribers in an MNP environment

Source: Ericsson

Presented: Mr. Panagiotis Dimitroulas, Ericsson

Discussion:

- Siemens: More specific request from SA1 is needed.

- o Ericsson: We believe that it is important to tell SA1 that we did agree in CN4#17 that [this was not a new requirement and thus SA1 did not need to be involved.](#)~~a-fix was needed.~~
 - Lucent support Ericsson's view.
 - o Siemens accept the inclusion of the background information
 - o Siemens: We have to request to say which release the change should apply to.
- After further discussion a common view could not be reached. Eventually CN4 accept to send the LS without further change and the chairman asked Siemens and Ericsson to convey their view directly to their SA1 colleagues.

Decision: Revised to N4-030319

Document: N4-030319
Title: LS on charging for prepaid subscribers in an MNP environment
Source: Ericsson
Presented: Mr. Panagiotis Dimitroulas, Ericsson
Discussion:

Decision: Approved

Document: N4-030151
CR: 23.078-530 (Rel-5)
Title: Using ATI for Mobile Number Portability
Source: Ericsson
Presented: Mr. Panagiotis Dimitroulas, Ericsson
Discussion:

Decision: Noted

7.7 SMS

Document: N4-030201
CR: 29.002-523r1 (Rel-5)
Title: Clean-up of SMS procedures chapter
Source: Vodafone
Presented: Mr. Ian Park, Vodafone
Discussion:

- Ericsson: We need more time to check this huge specification.

Decision: Revised to N4-030291

Document: N4-030291
CR: 29.002-523r2 (Rel-5)
Title: Clean-up of SMS procedures chapter
Source: Vodafone
Presented: Mr. Ian Park, Vodafone
Discussion:

- Ericsson: We need more time to check this huge specification.
- Any proposals for change to source before 19th February 13:00 CET.
 - o The version for correspond approval will be available 21st February 2003 on CN2 & CN4 mailing list.
 - o If no objection before 12:00 CET 28th February document will be sent to CN#19 for approval.

Decision: The CR was revised during Email approval procedure as N4-030324

Document: N4-030324
CR: 29.002-523r3 (Rel-5)
Title: Clean-up of SMS procedures chapter
Source: Vodafone
Presented:
Discussion:

- Any proposals for change to source before 19th February 13:00 CET.

- The version for correspond approval will be available 21st February 2003 on CN2 & CN4 mailing list.
- If no objection before 12:00 CET 28th February document will be sent to CN#19 for approval.

Decision: **Agreed 28th February**

Document: **N4-030202**
CR: 29.002-524r1 (Rel-6)
Title: Clean-up of SMS procedures chapter
Source: Vodafone
Presented: Mr. Ian Park, Vodafone
Discussion:

- This is a Rel-6 mirror of 29.002-523r1.

Decision: **Revised to N4-030292**

Document: **N4-030292**
CR: 29.002-524r2 (Rel-6)
Title: Clean-up of SMS procedures chapter
Source: Vodafone
Presented: Mr. Ian Park, Vodafone
Discussion:

- This is a Rel-6 mirror of 29.002-523r2.
- Any proposals for change to source before 19th February 13:00 CET.
 - The version for correspond approval will be available 21st February 2003 on CN2 & CN4 mailing list.
 - If no objection before 12:00 CET 28th February document will be sent to CN#19 for approval.

Decision: **The CR was revised during Email approval procedure as N4-030325**

Document: **N4-030325**
CR: 29.002-524r3 (Rel-6)
Title: Clean-up of SMS procedures chapter
Source: Vodafone
Presented:
Discussion:

- This is a Rel-6 mirror of 29.002-523r2.
- Any proposals for change to source before 19th February 13:00 CET.
 - The version for correspond approval will be available 21st February 2003 on CN2 & CN4 mailing list.
 - If no objection before 12:00 CET 28th February document will be sent to CN#19 for approval.

Decision: **Agreed 28th February**

7.8 Any Other Business for Release 5

7.8.1 SCUDIF

Document: **N4-030144**
CR: 29.002-560 (Rel-5)
Title: Two-step HLR interrogation for SCUDIF calls
Source: Ericsson
Presented: Mr. Panagiotis Dimitroulas, Ericsson
Discussion:

- CN3 has approved affected 23.172 CR.
- CN4 agreed to use distinct data types in the Arg and Res.
- Nokia: The new parameters should be added before the user errors and provide error.

Decision: **Revised to N4-030293**

Document: N4-030293
CR: 29.002-560r1 (Rel-5)
Title: Two-step HLR interrogation for SCUDIF calls
Source: Ericsson
Presented: Mr. Panagiotis Dimitroulas, Ericsson
Discussion:

- Siemens: There is a need to make the 2-step request and 2-step suppress mutually exclusive.

Decision: Revised to N4-030321

Document: N4-030321
CR: 29.002-560r2 (Rel-5)
Title: Two-step HLR interrogation for SCUDIF calls
Source: Ericsson
Presented:
Discussion:

Decision: Agreed without presentation

Document: N4-030322
CR: 29.002-561r2 (Rel-6)
Title: Two-step HLR interrogation for SCUDIF calls
Source: Ericsson
Presented:
Discussion:

- This is a mirror CR for Rel-6.

Decision: Agreed without presentation

7.8.2 QoS

Document: N4-030146
CR: 29.002-562 (Rel-5)
Title: Alignment of TS 29.002 with TS 23.107 regarding QoS subscribed data
Source: Ericsson
Presented: Mr. Panagiotis Dimitroulas, Ericsson
Discussion:

- Siemens: The ext-QoS subscribed is introduced in Rel-4 and it carries all the information carried in QoS-Subscribed and somemore.
- Siemens believe the CR is not necessary.

Decision: Revised to N4-030296

Document: N4-030296
CR: 29.002-562r1 (Rel-5)
Title: Alignment of TS 29.002 with TS 23.107 regarding QoS subscribed data
Source: Ericsson
Presented: Mr. Panagiotis Dimitroulas, Ericsson
Discussion:

Decision: Agreed

Document: N4-030297
CR: 29.002-563r1 (Rel-6)
Title: Alignment of TS 29.002 with TS 23.107 regarding QoS subscribed data
Source: Ericsson
Presented:
Discussion:

- This is a mirror CR for Rel-6

Decision: Agreed

7.8.3 TrFO/Codec control

Document: N4-030029
CR: 23.153-051
Title: Inter-MSR SRNS relocation with TrFO
Source: Siemens
Presented: Mr. Peter Schmitt, Siemens
Discussion:

Decision: Postponed to CN4#19

7.8.4 MAP protocol

Document: N4-030192
CR: 29.002-569 (Rel-5)
Title: Formal correction to the ASN.1 syntax of SendIdentificationRes
Source: Ericsson
Presented:
Discussion:

Decision: Postponed to CN4#19

8 UMTS Release 4 & Release 99 maintenance

8.1 Location services

8.2 Bearer independent architecture

8.3 GPRS

Document: N4-030191
Title: LS on Use of Cause code 198 in GTP'
Source: SA5
Presented: Mr. Alessio Casati, Lucent
Discussion:

- Nortel: We should not attempt to decouple the cause codes used in GTP' from those used in GTP'. We should add an extra column to 29.060 tables to indicate which cause codes are used in GTP'.
 - o Nokia & Ericsson do not agree because they believe this is a duplication which should be avoided.
- Lucent: We should ask SA5 to keep CN4 updated on which cause codes they use and reflect this by a marking in 29.060.
- Vodafone: We should put a warning at the foot of the table in 29.060 if we want to delete the one of the GTP' cause codes. GTP' also has its own reserved cause code name space.
- Nortel: We should mark the GTP' cause codes which are also used by GTP'. The frequency of change of the use GTP' cause codes by GTP' is low.
- LS will be sent to SA5
 - o N4-030218

Decision: Noted

Document: N4-030218
Title: LS on Use of Cause code 198 in GTP
Source: Lucent
Presented: Mr. Nigel Berry, Lucent

Discussion:

Decision: **Approved**

Document: **N4-030031**
CR: 29.060-384
Title: Reinstatement of cause code version not supported
Source: Lucent
Presented: Mr. Alessio Casati, Lucent
Discussion:

Decision: **Revised to N4-030270**

Document: **N4-030270**
CR: 29.060-384r1
Title: Reinstatement of cause code version not supported
Source: Lucent
Presented: Mr. Alessio Casati, Lucent
Discussion:

Decision: **Agreed**

Document: **N4-030271**
CR: 29.060-385r1
Title: Reinstatement of cause code version not supported
Source: Lucent
Presented:
Discussion:

- This is a mirror CR for Rel-4.

Decision: **Agreed**

Document: **N4-030272**
CR: 29.060-386r1
Title: Reinstatement of cause code version not supported
Source: Lucent
Presented:
Discussion:

- This is a mirror CR for Rel-5

Decision: **Agreed**

Document: **N4-030180**
CR: 29.060-393r1 (R99)
Title: TEID for GTP-C messages related to unknown PDP Contexts
Source: Nortel Networks, Ericsson
Presented: Dr. Daniel Warren, Nortel Networks
Discussion:

- CR can't be approved because the error is not serious enough.

Decision: **Rejected**

Document: **N4-030181**
CR: 29.060-394r1 (Rel-4)
Title: TEID for GTP-C messages related to unknown PDP Contexts
Source: Nortel Networks, Ericsson
Presented: Dr. Daniel Warren, Nortel Networks
Discussion:

Decision: **Rejected**

Document: **N4-030095**
CR: 29.060-395 (Rel-5)

Title: TEID for GTP-C messages related to unknown PDP Contexts
Source: Nortel Networks, Ericsson
Presented: Dr. Daniel Warren, Nortel Networks
Discussion:

- Lucent: The text should be revised to avoid reference to primary & secondary PDP context

Decision: **Revised to N4-030295**

Document: **N4-030295**
CR: 29.060-395r1 (Rel-5)
Title: TEID for GTP-C messages related to unknown PDP Contexts
Source: Nortel Networks, Ericsson
Presented: Dr. Daniel Warren, Nortel Networks
Discussion:

Decision: **Revised to N4-030318**

Document: **N4-030318**
CR: 29.060-395r2 (Rel-5)
Title: TEID for GTP-C messages related to unknown PDP Contexts
Source: Nortel Networks, Ericsson
Presented: Dr. Daniel Warren, Nortel Networks
Discussion:

Decision: **Revised to N4-030323**

Document: **N4-030323**
CR: 29.060-395r3 (Rel-5)
Title: TEID for GTP-C messages related to unknown PDP Contexts
Source: Nortel Networks, Ericsson
Presented:
Discussion:

Decision: **Agreed without presentation**

Document: **N4-030116**
CR: 29.060-396 (R99)
Title: Controlling compression performed on the SGSN
Source: Vodafone
Presented: Mr. Nick Russell, Vodafone
Discussion:

- Megisto: "If a network enables compression and/or optimisation for a particular APN on the GGSN or Gi interface and if a subscriber enables compression (from his UE), then the SGSN will attempt to compress data which has already compressed and/or optimised; unnecessarily consuming processor cycles."
- H3G: This is not an Critical correction so it can't be approved in R99 & Rel-4.

Decision: **Rejected**

Document: **N4-030117**
CR: 29.060-396 (Rel-4)
Title: Controlling compression performed on the SGSN
Source: Vodafone
Presented: Mr. Nick Russell, Vodafone
Discussion:

- This is a mirror CR for R99.

Decision: **Rejected**

Document: **N4-030118**
CR: 29.060-396 (Rel-5)
Title: Controlling compression performed on the SGSN

Source: Vodafone
Presented: Mr. Nick Russell, Vodafone
Discussion:

Decision: **Postponed to CN4#19**

8.4 Camel phase 3

Document: **N4-030205**
CR: 29.002-542r1 (R99)
Title: Correction to interactions between CAMEL control of MO SMS and barring
Source: Vodafone
Presented: Mr. Ian Park, Vodafone
Discussion:

- The Ericsson ask more time to review the CR + mirrors, because all the changes are not only related to Camel issues.
- Any proposals for change to source before 19th February 13:00 CET.
 - o The version for correspond approval will be available 21st February 2003 on CN4 mailing list.
- From CN2 point of you CR is endorsed.

Decision: **The CR was revised during Email approval procedure as N4-030326**

Document: **N4-030326**
CR: 29.002-542r1 (R99)
Title: Correction to interactions between CAMEL control of MO SMS and barring
Source: Vodafone
Presented: Mr. Ian Park, Vodafone
Discussion:

- If no objection before 12:00 CET 28th February document will be sent to CN#19 for approval.

Decision: **Rejected 28th February after email discussion**

Document: **N4-030258**
CR: 29.002-543r1 (Rel-4)
Title: Correction to interactions between CAMEL control of MO SMS and barring
Source: Vodafone
Presented:
Discussion:

- This is a mirror CR for Rel-4.
- This CR was Email approval until 28th February.

Decision: **Rejected 28th February after email discussion**

Document: **N4-030259**
CR: 29.002-544r1 (Rel-5)
Title: Correction to interactions between CAMEL control of MO SMS and barring
Source: Vodafone
Presented:
Discussion:

- This is a mirror CR for Rel-5.
- This CR was Email approval until 28th February.

Decision: **Rejected 28th February after email discussion**

Document: **N4-030260**
CR: 29.002-545r1 (Rel-6)
Title: Correction to interactions between CAMEL control of MO SMS and barring
Source: Vodafone
Presented:
Discussion:

- This is a mirror CR for Rel-6
- This CR was Email approval until 28th February.

Decision: **Rejected 28th February after email discussion**

Document: **N4-030182**

CR: 29.018-116 (R99)

Title: Correction to wrong implementation of approved CR 089r2 and 096

Source: Orange

Presented: Mr. Emmanuel Gay, Orange

Discussion:

- Original CR were N4-011412 (089r2) & N4-020133 (096).
- Need to specify clauses affected and impact on other specs in cover sheet.
- Any proposals for change to source before 19th February 13:00 CET.

Decision: **The CR was revised during Email approval procedure as N4-030327**

Document: **N4-030327**

CR: 29.018-116r1 (R99)

Title: Correction to wrong implementation of approved CR 089r2 and 096

Source: Orange

Presented: Mr. Emmanuel Gay, Orange

Discussion:

- Any proposals for change to source before 19th February 13:00 CET.
 - o The version for correspond approval will be available 21st February 2003 on CN4 mailing list.
 - o If no objection before 12:00 CET 28th February document will be sent to CN#19 for approval.

Decision: **Agreed 28th February**

Document: **N4-030328**

CR: 29.018-117 (Rel-4)

Title: Correction to wrong implementation of approved CR 089r2 and 096

Source: Orange

Presented: Mr. Emmanuel Gay, Orange

Discussion:

- Category is F.
- The version for correspond approval will be available 21st February 2003 on CN4 mailing list.
- If no objection before 12:00 CET 28th February document will be sent to CN#19 for approval.

Decision: **Agreed 28th February**

Document: **N4-030329**

CR: 29.018-118 (Rel-5)

Title: Correction to wrong implementation of approved CR 089r2 and 096

Source: Orange

Presented:

Discussion:

- This is a mirror CR for Rel-5
- Category is A.
- The version for correspond approval will be available 21st February 2003 on CN4 mailing list.
- If no objection before 12:00 CET 28th February document will be sent to CN#19 for approval.

Decision: **Agreed 28th February**

Document: **N4-030134**

CR: 29.002-552 (R99)

Title: Incorrect handling of TDP-Criteria for VT-CSI

Source: Ericsson
Presented: Mr. Panagiotis Dimitroulas, Ericsson
Discussion:

- Nortel : “unexpected data value” is more appropriate.
 - o Nokia agree with Nortel’s opinion.
- Siemens would like to reject the CR because of two reasons
 - o We have to look no only the message but also the dialog.
 - o What is the difference if VLR returns an error is there a difference in substance an error response
- Vodafone do not believe that this is not an critical correction for R99. Consequences if not approved aren’t enough serious one.
- Nortel: The problem addressed by the CR is an indication of a much larger problem.
- Nokia: The TDP criteria are redundant if there is no VT-CSI and this can safely be discarded.
- Ericsson: Can we agreed the changes for Rel-5 & Rel-6.
 - o Nortel, Nokia & Siemens do not believe the changes are needed.
- The CR was withdrawn after strong opposition of Nortel, Nokia and Siemens

Decision: **Withdrawn**

8.5 TrFO/Codec control

Document: **N4-030040**
Title: Clarification on “Guaranteed Bit Rate in RANAP”
Source: RAN3
Presented: Dr. Daniel Warren, Nortel Networks
Discussion:

Decision: **Noted**

Document: **N4-030045**
Title: Liaison Statement on Maximum Rate Control and Guaranteed bit rate
Source: SA2
Presented: Mr. Seppo Kauntola, Nokia
Discussion:

- Ericsson: The CRs (23.153-052 & 23.153-053) are prompted by the statement in bullet A

Decision: **Noted**

Document: **N4-030050**
Title: Clarification on “Guaranteed Bit Rate in RANAP”
Source: RAN3
Presented: Dr. Daniel Warren, Nortel Networks
Discussion:

- The SA2 assumption about the UE negotiates the codec in PS conversational mode means that the PDP context QoS has to stay fixed.
- Ericsson: Thesoulution proposed in N4-030105 it doesn’t rely on O & M.
- CN4 will send a reply LS to RAN3
 - o N4-030219

Decision: **Noted**

Document: **N4-030219**
Title: LS on “Guaranteed Bit Rate in RANAP”
Source: Nortel Networks
Presented: Dr. Daniel Warren, Nortel Networks
Discussion:

Decision: **Approved**

Document: **N4-030105**
CR: 23.153-052 (Rel-4)

Title: Setting Of Guaranteed Bitrate & Maximum Bitrate
Source: Ericsson
Presented: Mr. Phil Hodges, Ericsson
Discussion:

- Nortel Network: Is it necessary to specify the method described here unless the BICC interconnect between PLMNs? Is it practical to use O & M with PLMN?
 - o It is much more straightforward to define the algorithm by the specification than by O & M agreements between operators.

Decision: **Agreed**

Document: **N4-030106**
CR: 23.153-052 (Rel-5)
Title: Setting Of Guaranteed Bitrate & Maximum Bitrate
Source: Ericsson
Presented:
Discussion:

- This is a mirror CR for Rel-5.

Decision: **Agreed**

Document: **N4-030109**
Title: Independence of luUP SDU and Non-Access Stratum Application
Source: Ericsson
Presented: Mr. Phil Hodges, Ericsson
Discussion:

Decision: **Noted**

Document: **N4-030168**
Title: luUP Initialisation during Codec Modification
Source: Siemens
Presented: Dr. Thomas Belling
Discussion:

- Ericsson: LS N1-000795 asked for flexibility to allow NAS synchronisation without the need for lu UP initialisation. RAN3 has accepted this requirement.
- CN4 agreed that the handling of the luUP on the lu Interface and the handling of the luUP on the Nb interface could be different with regards to re-initialisation. Although the capability to indicate the NSI without the RAB SDUs exists it is not specified when/how this should be used nor was it clear who owned this requirement.
- [Vodafone/RAN3 delegate indicated that from his understanding of the luUP development in RAN WGs it was a fundamental concept of the luUP protocol to be application independent and not need re-initialising if the SDUs did not change.](#)
-

Decision: **Noted**

8.6 Any other business for Release 4 or Release 99

8.6.1 Multicall

Document: **N4-030065**
CR: 29.002-530 (R99)
Title: Correction to the definitions of Radio Resource List and BSSMAP Service Handover List
Source: Nokia
Presented: Mr. Jari Jansson, Nokia
Discussion:

- Siemens: If we have only one parameter to send we use a single parameter before the ellipse
 - o Nokia: In this case we have multiple parameter to send.

- Siemens: We would like to see more clarification in the text of when the single parameter is used and when the list is used.

Decision: Revised to N4-030298

Document: N4-030298

CR: 29.002-530r1 (R99)

Title: Correction to the definitions of Radio Resource List and BSSMAP Service Handover List

Source: Nokia

Presented: Mr. Jari Jansson, Nokia

Discussion:

Decision: Agreed

Document: N4-030299

CR: 29.002-531r1 (Rel-4)

Title: Correction to the definitions of Radio Resource List and BSSMAP Service Handover List

Source: Nokia

Presented:

Discussion:

- This is a mirror CR for Rel-4.

Decision: Agreed

Document: N4-030300

CR: 29.002-532r1 (Rel-5)

Title: Correction to the definitions of Radio Resource List and BSSMAP Service Handover List

Source: Nokia

Presented: Mr. Jari Jansson, Nokia

Discussion:

- This is a mirror CR for Rel-5.

Decision: Agreed

Document: N4-030301

CR: 29.002-533r1 (Rel-6)

Title: Correction to the definitions of Radio Resource List and BSSMAP Service Handover List

Source: Nokia

Presented:

Discussion:

- This is a mirror CR for Rel-6.

Decision: Agreed

8.6.2 VBS/VGCS

Document: N4-030193

CR: 29.002-538r1 (R99)

Title: Handover of Group Calls where MSC-B has bearer established

Source: Nortel Networks

Presented: Dr. Daniel Warren, Nortel Networks

Discussion:

- Vodafone D2: Why the changes wasn't rolled back to R97?
- Motorola: The problem is not so serious that it needs rolled back in R97 in which case why take it back before Rel-5.
- CN4 agreed that changes can be implemented in R99 onwards.
- Siemens: correct style is needed for references "Asci" in ASN.1, should be "ASCI"

Decision: Revised to N4-030302

Document: N4-030302

CR: 29.002-538r2 (R99)

Title: Handover of Group Calls where MSC-B has bearer established

Source: Nortel Networks
Presented:
Discussion:

Decision: **Agreed without presentation**

Document: **N4-030303**
CR: 29.002-538r2 (Rel-4)
Title: Handover of Group Calls where MSC-B has bearer established
Source: Nortel Networks
Presented:
Discussion:

Decision: **Agreed without presentation**

8.6.3 GSM-UMTS interworking

Document: **N4-030176**
CR: 23.009-091 (R99)
Title: Further clarification of the protocol to be used on the E-interface
Source: Siemens
Presented: Dr. Robert Zaus, Siemens
Discussion:

- Vodafone: "shall" should be replaced by "may"

Decision: **Revised to N4-030306**

Document: **N4-030306**
CR: 23.009-091r1 (R99)
Title: Further clarification of the protocol to be used on the E-interface
Source: Siemens
Presented:
Discussion:

Decision: **Endorsed by CN4**

Document: **N4-030307**
CR: 23.009-092r1 (Rel-4)
Title: Further clarification of the protocol to be used on the E-interface
Source: Siemens
Presented:
Discussion:

Decision: **Endorsed by CN4**

Document: **N4-030308**
CR: 23.009-093r1 (Rel-5)
Title: Further clarification of the protocol to be used on the E-interface
Source: Siemens
Presented:
Discussion:

Decision: **Endorsed by CN4**

9 GSM maintenance

9.1 MAP protocol

Document: **N4-030127**

CR: 09.02-A332 (R96)
Title: Change of SS-Code List description for Insert Subscriber Data
Source: Ericsson
Presented: Mr. Panagiotis Dimitroulas, Ericsson
Discussion:

- Extra text is needed to make it clear that the condition for echo is CUG data in the ISD and lack of support

Decision: **Revised to N4-030281**

Document: **N4-030281**
CR: 09.02-A332r1 (R96)
Title: Change of SS-Code List description for Insert Subscriber Data
Source: Ericsson
Presented:
Discussion:

Decision: **Agreed without presentation**

Document: **N4-030282**
CR: 09.02-A333r1 (R97)
Title: Change of SS-Code List description for Insert Subscriber Data
Source: Ericsson
Presented:
Discussion:

- This is a R96 mirror.

Decision: **Agreed without presentation**

Document: **N4-030283**
CR: 09.02-A334r1 (R98)
Title: Change of SS-Code List description for Insert Subscriber Data
Source: Ericsson
Presented:
Discussion:

- This is a R96 mirror.

Decision: **Agreed without presentation**
Document: **N4-030284**
CR: 29.002-548r1 (R99)
Title: Change of SS-Code List description for Insert Subscriber Data
Source: Ericsson
Presented:
Discussion:

- This is a R96 mirror.

Decision: **Agreed without presentation**

Document: **N4-030285**
CR: 29.002-549r1 (Rel-4)
Title: Change of SS-Code List description for Insert Subscriber Data
Source: Ericsson
Presented:
Discussion:

- This is a R96 mirror.

Decision: **Agreed without presentation**

Document: **N4-030286**
CR: 29.002-550r1 (Rel-5)
Title: Change of SS-Code List description for Insert Subscriber Data
Source: Ericsson
Presented:

Discussion:

- This is a R96 mirror.

Decision: **Agreed without presentation**

Document: **N4-030287**

CR: 29.002-551r1 (Rel-6)

Title: Change of SS-Code List description for Insert Subscriber Data

Source: Ericsson

Presented:

Discussion:

- This is a R96 mirror.

Decision: **Agreed without presentation**

9.2 CCBS

Document: **N4-030211**

CR: 09.02-A335 (R97)

Title: Missing of "Continue Monitoring message" in SDL 21.7_3.2

Source: Ericsson

Presented: Mr. Panagiotis Dimitroulas

Discussion:

- Opposition from several delegates to approve the CR for R97.
 - o Motorola: The fault is not seen as serious enough to warrant the correction for Rel-4 or earlier.

Decision: **Rejected**

Document: **N4-030139**

CR: 09.02-A336 (R98)

Title: Missing of "Continue Monitoring message" in SDL 21.7_3.2

Source: Ericsson

Presented:

Discussion:

Decision: **Rejected**

Document: **N4-030140**

CR: 29.002-556 (R99)

Title: Missing of "Continue Monitoring message" in SDL 21.7_3.2

Source: Ericsson

Presented: Mr. Panagiotis Dimitroulas

Discussion:

Decision: **Rejected**

Document: **N4-030141**

CR: 29.002-557 (Rel-4)

Title: Missing of "Continue Monitoring message" in SDL 21.7_3.2

Source: Ericsson

Presented: Mr. Panagiotis Dimitroulas

Discussion:

Decision: **Rejected**

Document: **N4-030288**

CR: 29.002-558 (Rel-5)

Title: Missing of "Continue Monitoring message" in SDL 21.7_3.2

Source: Ericsson

Presented:

Discussion:

- Category have to be F.

Decision: Agreed without presentation

Document: N4-030289

CR: 29.002-559 (Rel-6)

Title: Missing of "Continue Monitoring message" in SDL 21.7_3.2

Source: Ericsson

Presented:

Discussion:

Decision: Agreed without presentation

10 AOB

- Vodafone: The order of the business in future meetings should be oldest business first so that we have a better change of cleaning business against older releases.
 - o Nokia would like to prefer keep the existing order because future features are the main task.
 - o Ericsson prefer the existing order with a set amount of time allocated to each agenda item. Altering the order of business shouldn't make a serious amount of difference.
- CN4 chairman election will take place in CN4#19. All the three vacancies are available in May 2003.

11 Update of the Work Plan

Document: N4-030010

Title: Work Plan updates

Source: MCC

Presented: Mr. Kimmo Kymäläinen, MCC

Discussion:

- Changes will be presented in CN#19 chairman's report.

Decision: Noted

12 Future meetings

- Nokia would like to have a 3-day meeting which we will attempt to clear the postponed documents from this meeting, but also to accept new input.
- Nortel would not like to have a meeting unless we have a large number of inputs for Release 6, which we seem not to have.
- Ericsson: Ericsson believe that the cost of travel for a 3 day meeting is not justified.
- **CN4 agreed that the CN4#18bis meeting would not take place in April.**
 - o Nokia will agree with the other companies. Anyway they have a concern that we should not apply the 5 minute discussion limit on CRs like CN4 did in this meeting.

Date	Meeting	Place	Host
12 – 14 Mar 2003	CN plenary #19	Birmingham, UK	UK Friends of 3GPP
19 - 23 May 2003	CN WGs 1, 2, 3 & 4	San Diego, USA	North American Friends of 3GPP
4 – 6 Jun 2003	CN plenary #20	Hämeenlinna, Finland	Nokia
18 - 22 Aug 2003	CN WGs 1, 2, 3 & 4	Sophia Antipolis, France	ETSI
17 – 19 Sep 2003	CN plenary #21	Berlin, Germany	Siemens
27 - 31 Oct 2003	CN WGs 1, 2, 3 & 4	TBD, China	Ericsson
17 – 21 Nov 2003	CN WG 4 (if needed)	?	?
10 – 12 Dec 2003	CN plenary #22	Hawaii, USA	North American &

Date	Meeting	Place	Host
			Japanese Friends of 3GPP

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

13 ~~Output of CN4#17~~ Output of CN4#18

13.1 Change Requests

Tdoc #	Title	Spec	CR-rev	Rel	Source
N4-030281	Change of SS-Code List description for Insert Subscriber Data	09.02	A332r1	R96	ERICSSON L.M.
N4-030282	Change of SS-Code List description for Insert Subscriber Data	09.02	A333r1	R97	ERICSSON L.M.
N4-030283	Change of SS-Code List description for Insert Subscriber Data	09.02	A334r1	R98	ERICSSON L.M.
N4-030054	Addition of LCS Capability Set 4	29.002	529	Rel-6	Nokia
N4-030061	Incrementing ASN.1 module versions	29.002	526	Rel-6	Siemens
N4-030062	LCS diagnostic alignment	29.002	527	Rel-5	Siemens
N4-030063	LCS diagnostic alignment	29.002	528	Rel-6	Siemens
N4-030222	Introduction of MSC Number in MAP-SEND-IDENTIFICATION message	29.002	566r1	Rel-6	ERICSSON L.M.
N4-030234	Introduction of Call Barring for SMS in PS domain	29.002	509r2	Rel-6	NTT DoCoMo, NTT Comware, Vodafone
N4-030241	Clarification of IMPU barring handling	23.008	065r1	Rel-5	Ericsson
N4-030251	Definition of Subscribed Media Profile Identifier	23.008	067r1	Rel-5	Siemens
N4-030253	Addition of Positioning Data IE to Provide Subscriber Location and Send Location Report	29.002	500r3	Rel-5	Nortel Networks
N4-030254	Addition of Positioning Data IE to Provide Subscriber Location and Send Location Report	29.002	568r2	Rel-6	Nortel Networks
N4-030284	Change of SS-Code List description for Insert Subscriber Data	29.002	548r1	R99	ERICSSON L.M.
N4-030285	Change of SS-Code List description for Insert Subscriber Data	29.002	549r1	Rel-4	ERICSSON L.M.
N4-030286	Change of SS-Code List description for Insert Subscriber Data	29.002	550r1	Rel-5	ERICSSON L.M.
N4-030287	Change of SS-Code List description for Insert Subscriber Data	29.002	551r1	Rel-6	ERICSSON L.M.
N4-030288	Missing of "Continue Monitoring message" in SDL 21.7_3.2	29.002	558r1	Rel-5	ERICSSON L.M.
N4-030289	Missing of "Continue Monitoring message" in SDL 21.7_3.2	29.002	559r1	Rel-6	ERICSSON L.M.
N4-030296	Alignment of TS 29.002 with TS 23.107 regarding QoS subscribed data	29.002	562r1	Rel-5	ERICSSON L.M.
N4-030297	Alignment of TS 29.002 with TS 23.107 regarding QoS subscribed data	29.002	563r1	Rel-6	ERICSSON L.M.
N4-030298	Correction to the definitions of Radio Resource List and BSSMAP Service Handover List	29.002	530r1	R99	Nokia
N4-030299	Correction to the definitions of Radio Resource List and BSSMAP Service Handover List	29.002	531r1	Rel-4	Nokia
N4-030300	Correction to the definitions of Radio Resource List and BSSMAP Service Handover List	29.002	532r1	Rel-5	Nokia
N4-030301	Correction to the definitions of Radio Resource List and BSSMAP Service Handover List	29.002	533r1	Rel-6	Nokia
N4-030302	Handover of Group Calls where MSC-B has bearer established	29.002	538r2	R99	Nortel Networks
N4-030303	Handover of Group Calls where MSC-B has bearer established	29.002	539r2	Rel-4	Nortel Networks
N4-030304	Handover of Group Calls where MSC-B has bearer established	29.002	540r2	Rel-5	Nortel Networks
N4-030305	Handover of Group Calls where MSC-B has bearer established	29.002	541r2	Rel-6	Nortel Networks
N4-030321	Two-step HLR interrogation for SCUDIF calls	29.002	560r2	Rel-5	ERICSSON L.M.
N4-030322	Two-step HLR interrogation for SCUDIF calls	29.002	561r2	Rel-6	ERICSSON L.M.
N4-030324	Clean-up of SMS procedures chapter	29.002	523r3	Rel-5	Vodafone
N4-030325	Clean-up of SMS procedures chapter	29.002	524r3	Rel-6	Vodafone
N4-030235	Introduction of Call Barring for SMS in PS domain	23.011	003r3	Rel-6	DoCoMo, NTT Comware

N4-030161	Introduction of Call Barring for SMS in PS domain	23.016	030r1	Rel-6	DoCoMo, NTT Comware
N4-030327	Correction to wrong implementation of approved CR 089r2 and 096	23.018	116r1	R99	Orange
N4-030328	Correction to wrong implementation of approved CR 089r2 and 096	23.018	117	Rel-4	Orange
N4-030329	Correction to wrong implementation of approved CR 089r2 and 096	23.018	118	Rel-5	Orange
N4-030064	Correction on handling of PCO	29.060	387	Rel-5	Fujitsu
N4-030082	Removal of the N3-BUFFER-SIZE parameter	29.060	388	Rel-5	LM Ericsson
N4-030083	Correction of presence requirement for the PCO IE	29.060	389	Rel-5	LM Ericsson, Nokia
N4-030159	Correction of GTP' references	29.060	399	Rel-5	Nokia
N4-030224	Introduction of SGSN Number in SGSN Context Request message	29.060	390r1	Rel-6	LM Ericsson
N4-030265	Introduction of SGSN number in forward reallocation response message	29.060	403	Rel-6	Ericsson
N4-030270	Reinstatement of cause code version not supported	29.060	384r1	R99	Lucent Technologies
N4-030271	Reinstatement of cause code version not supported	29.060	385r1	Rel-4	Lucent Technologies
N4-030272	Reinstatement of cause code version not supported	29.060	386r1	Rel-5	Lucent Technologies
N4-030320	IPv4 and IPv6 form of Charging Gateway Address	29.060	402r2	Rel-5	SA5 (Nokia)
N4-030323	TEID for GTP-C messages related to unknown PDP Contexts	29.060	395r3	Rel-5	Nortel Networks, Ericsson
N4-030228	Optional additional priority level for subscription to accommodate Priority Service	23.067	011r1	Rel-6	Telcordia Technologies
N4-030206	Correction to the inclusion of Generic Number in SRI	23.081	007r1	Rel-5	Ericsson
N4-030162	Introducing SMS Call Barring in PS domain	23.088	003r1	Rel-6	DoCoMo, NTT Comware
N4-030236	Introducing SMS Call Barring in PS domain	24.088	001r2	Rel-6	DoCoMo, NTT Comware
N4-030105	Setting Of Guaranteed Bitrate & Maximum Bitrate	23.153	052	Rel-4	LM Ericsson
N4-030106	Setting Of Guaranteed Bitrate & Maximum Bitrate	23.153	053	Rel-5	LM Ericsson
N4-030275	Bearer Release for Iu CS on IP	23.205	039r1	Rel-5	Nortel Networks, Ericsson
N4-030014	Error in definition of Service Point of Interest class	29.228	026	Rel-5	Ericsson
N4-030015	Deletion of Annex F	29.228	027	Rel-5	Ericsson
N4-030016	Filter ID field removal in InitialFilterCriteria class	29.228	028	Rel-5	Ericsson
N4-030017	Clarification of User-Authorization-Type AVP usage within UAR	29.228	029	Rel-5	Ericsson
N4-030238	Clarification of service profile download at service profile modification	29.228	025r1	Rel-5	Ericsson
N4-030240	Clarification of the User_Authorization_Type AVP value at REGISTRATION time when no IMPU has been registered	29.228	024r1	Rel-5	Ericsson
N4-030242	Clarification of IMPU barring handling	29.228	030r1	Rel-5	Ericsson
N4-030243	Update TS 29.228 after Diameter has become RFC	29.228	031r1	Rel-5	Ericsson
N4-030245	The default public user identity in the Server-Assignment-Answer	29.228	032r1	Rel-5	Nokia
N4-030246	Replacement of the NAS-Session-Key AVP	29.228	033r1	Rel-5	Nokia
N4-030247	Corrections to service profile	29.228	034r2	Rel-5	Nokia
N4-030252	Definition of Subscribed Media Profile Identifier	29.228	040r1	Rel-5	Siemens
N4-030261	Change of SPI to SPT	29.228	038r1	Rel-5	NEC
N4-030312	Clarification on the re-allocation of S-CSCF	29.228	035r2	Rel-5	France Telecom
N4-030314	Handling of non supported data in the S-CSCF when the profile is being updated	29.228	037r3	Rel-5	Ericsson
N4-030077	Replacement of the NAS-Session-Key AVP	29.229	013	Rel-5	Nokia
N4-030079	Correction to the values of User-Authorisation-Type AVP	29.229	014	Rel-5	Nokia

N4-030237	Handling of non supported data in the S-CSCF when the profile is being updated	29.229	018r1	Rel-5	Ericsson
N4-030244	Update TS 29.229 after Diameter has become RFC	29.229	012r1	Rel-5	Ericsson
N4-030277	Clarification on Re-allocation of S-CSCF	29.229	015r1	Rel-5	France Telecom
N4-030107	Update to 3GPP package – clarification of Iu Initialisation handling	29.232	053	Rel-5	LM Ericsson
N4-030278	Update to 3GPP package - addition of reference to SDU format definition for Nb interface	29.232	054r1	Rel-5	LM Ericsson
N4-030022	Deletion of Annex E	29.328	015	Rel-5	Ericsson
N4-030262	Update TS 29.328 after Diameter has become RFC	29.328	016r2	Rel-5	Ericsson
N4-030266	Correction to application server identity	29.328	017r1	Rel-5	Nokia, Ericsson
N4-030267	Clarification on Sh interface for charging purposes	29.328	018r2	Rel-5	NEC
N4-030268	Change of SPI to SPT	29.328	019r1	Rel-5	NEC
N4-030315	Initial Filter Criteria	29.328	012r3	Rel-5	Siemens
N4-030057	Initial Filter Criteria	29.329	005r1	Rel-5	Siemens
N4-030103	Correction to application server identity	29.329	008	Rel-5	Ericsson, Nokia
N4-030123	Clarification on Sh interface for charging purposes	29.329	009	Rel-5	NEC
N4-030263	Update TS 29.329 after Diameter has become RFC	29.329	007r2	Rel-5	Ericsson
N4-030264	Missing code-point in Data-Reference AVP	29.329	011	Rel-5	Ericsson
N4-030316	RegistrationState alignment	29.329	013	Rel-5	Siemens

13.2 Liaison Statements

The following Liaison Statements were agreed to be sent by CN4 #18 meeting:

TDOC N4-02xxxx	Subject	To	Cc	Attachment	Sent
N4-030215	LS on Re-use of TEID from SA2	SA2	RAN3	N4-030047	17th Feb
N4-030217	IPv4 and IPv6 form of Charging Gateway Address	SA2, SA5			17th Feb
N4-030218	Response LS on use of cause code 198 in GTP	SA5		N4-030270, N4-030271, N4-030272	17th Feb
N4-030219	LS on Clarification on "Guaranteed Bit Rate in RANAP"	RAN3	SA2, SA4	N4-030105	17th Feb
N4-030220	LS response on Early Ue Handling	TSG RAN, RAN WG3, SA WG5 SWGD	SA WG2, CN WG1		17th Feb
N4-030225	LS to CN3 on Proposed Split of work between 29.163 & 29.332	CN3			17th Feb
N4-030249	LS on clarification on the requirement for UE re-authentication initiated by HSS	SA2, SA3, CN1			17th Feb
N4-030255	LS on additional parameters in MAP for LCS with GERAN Access	SA2		N4-030253	17th Feb
N4-030311	Response LS on use of Allocation/Retention Priority	GERA2	RAN3, SA2		17th Feb
N4-030319	LS on MNP for Pre-paid Subscribers	SA1	CN2	N4-021466, N4-030030	17th Feb

13.3 TS/TRs

Tdoc #	Tdoc Title

13.4 WIs

Tdoc #	Tdoc Title
N4-030221	WID: WLAN Interworking – stage 3 definition of WLAN – 3GPP interworking
N4-030310	Mn WID update

Annex A : Participants

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Annex B: List of Temporary Documents

Tdoc n° 3GPP	List of Temporary Documents	Source	Status
N4-030001	Preliminary agenda for CN4 #18	CN4 chairman	Revised to N4-030002
N4-030002	Detailed agenda & time plan for CN4 #18: status at document deadline	CN4 chairman	Revised to N4-030003
N4-030003	Detailed agenda & time plan for CN4 #18: status on eve of meeting	CN4 chairman	Approved
N4-030004	Proposed allocation of documents to agenda items: status at document deadline	CN4 chairman	Revised to N4-030005
N4-030005	Proposed allocation of documents to agenda items: status on eve of meeting	CN4 chairman	Approved
N4-030006	Report back from CN #18 and SA #18	CN4 chairman	Noted
N4-030007	List of agreed output documents from CN4 #18	CN4 chairman	Revised to N4-030324
N4-030008	CN4#17 meeting report Bangkok, THAILAND	MCC	Approved
N4-030009	Work Plan	MCC	Noted
N4-030010	Proposed allocation of documents to agenda items: joint CN2-CN4 session on CAMEL issues	CN4 chairman	Approved
N4-030011 N2-030015	Clean-up of SMS procedures chapter	Vodafone	Revised to N4-030202
N4-030012	Clarification of the HSS behaviour in REGISTRATION and DE_REGISTRATION procedures at IMPU checking time	Ericsson	Revised to N4-030240
N4-030013	Clarification of service profile download at service profile modification	Ericsson	Revised to N4-030238
N4-030014	Error in definition of Service Point of Interest class	Ericsson	Agreed
N4-030015	Deletion of Annex F	Ericsson	Agreed
N4-030016	Filter ID field removal in InitialFilterCriteria class	Ericsson	Agreed
N4-030017	Clarification of User-Authorization-Type AVP usage within UAR	Ericsson	Agreed
N4-030018	Clarification of IMPU barring handling	Ericsson	Revised to N4-030241
N4-030019	Clarification of IMPU barring handling	Ericsson	Revised to N4-030242
N4-030020	Update TS 29.229 after Diameter has become RFC	Ericsson	Revised to N4-030244
N4-030021	Update TS 29.329 after Diameter has become RFC	Ericsson	Agreed
N4-030022	Deletion of Annex E	Ericsson	Agreed
N4-030023	Introduction of Call Barring for SMS in PS domain	NTT DoCoMo, NTT Comware, Vodafone	Revised to N4-030234
N4-030024	Optional additional priority level for subscription to accommodate Priority Service	Telcordia Technologies	Revised to N4-030228
N4-030025	Update TS 29.228 after Diameter has become RFC	Ericsson	Revised to N4-030243
N4-030026	Update TS 29.328 after Diameter has become RFC	Ericsson	Revised to N4-030257
N4-030027 N2-030014	Clean-up of SMS procedures chapter	Vodafone	Revised to N4-030201
N4-030028	TS 29.332 0.1.0; Media Gateway Control Function (MGCF) – IM Media Gateway; Mn Interface	Siemens	Revised to N4-030290
N4-030029	Inter-MSC SRNS relocation with TrFO	Siemens	Postponed to CN4#19

N4-030030 N2-030131	MNP for prepaid subscriber	Orange	Noted/Principle agreed
N4-030031	Reinstatement of cause code version not supported	Lucent technologies	Revised to N4-030270
N4-030032	Reinstatement of cause code version not supported	Lucent technologies	Revised to N4-030271
N4-030033	Reinstatement of cause code version not supported	Lucent technologies	Revised to N4-030272
N4-030034	LS on use of Allocation/Retention Priority	GERAN2	Noted
N4-030035	LS on proposed list of core IMS specifications for Access Independence	CN1	Noted
N4-030036	LS to 3GPP TSG WG CN4, CN, SA3, SA2, and GSMA SerG on the protocol development for the GMLC Lr-interface	Location inter-operability forum	Noted
N4-030037	LS on SS barring for SMS transfer over GPRS	CN	Noted
N4-030038	Reply to LS on Lpp interface development	OMA Location WG	Noted
N4-030039	Reply to Response to LS LIF SIG 020509 (S2-023120) LS on the review of the LIF roaming TR	OMA Location WG	Noted
N4-030040	Clarification on "Guaranteed Bit Rate in RANAP"	RAN3	Noted
N4-030041	Concerning requirements to be able to originate an emergency call from a data-only mobile terminal	SA1	Noted
N4-030042	Additional Release 5 work needed for Policy Control and Subscription Control of Media	SA	Noted
N4-030043	LS on control of SS barring for SMS transfer over GPRS	SA1	Noted
N4-030044	LS on Use of E164 numbers for emerging mobile systems	SA1	Noted
N4-030045	Liaison Statement on Maximum Rate Control and Guaranteed bit rate	SA2	Noted
N4-030046	LS on CN related work on 3GPP-WLAN Interworking	SA2	Noted
N4-030047	LS on re-use of TEID	SA2	Noted
N4-030048	LS on Early UE handling	SA2	Noted
N4-030049	LS Response on requirements for one AS to be able to read and/or modify the initial filter criteria of another AS	SA2	Noted
N4-030050 N2-030040	Liaison Statement on Maximum Bit and Guaranteed Bit Rates	SA4	Noted
N4-030051	LS on Inclusion of Alternative Charging Gateway Address	SA5	Noted
N4-030052	Reply LS on Subscriber and Equipment Trace Impacts	SA5	Noted
N4-030053	Subscriber and Equipment Trace concepts and requirements	SA5	Noted
N4-030054	Addition of LCS Capability Set 4	Nokia	Agreed
N4-030055 N2-030040	Enhancements for the Partial Implementation for Enhanced Dialed Services	Alcatel	Noted
N4-030056	Initial Filter Criteria	Siemens	Revised to N4-030276
N4-030057	Initial Filter Criteria	Siemens	Agreed
N4-030058	Synchronisation of transparent data	Siemens	Revised to N4-030216
N4-030059	Synchronisation of transparent data	Siemens	Postponed to CN4#19
N4-030060 N2-030132	IN-based solution for correct charging of calls to ported or non-portable subscribers originated by pre-paid subscribers	Siemens	Postponed to CN4#19
N4-030061	Incrementing ASN.1 module versions	Siemens	Agreed

N4-030062	LCS diagnostic alignment	Siemens	Agreed
N4-030063	LCS diagnostic alignment	Siemens	Agreed
N4-030064	Correction on handling of PCO	Fujitsu	Agreed
N4-030065	Correction to the definitions of Radio Resource List and BSSMAP Service Handover List	Nokia	Revised to N4-030298
N4-030066	Correction to the definitions of Radio Resource List and BSSMAP Service Handover List	Nokia	Revised to N4-030299
N4-030067	Correction to the definitions of Radio Resource List and BSSMAP Service Handover List	Nokia	Revised to N4-030300
N4-030068	Correction to the definitions of Radio Resource List and BSSMAP Service Handover List	Nokia	Revised to N4-030301
N4-030069	Additional SGSN related Access Types - Detach	Alcatel	Postponed to CN4#19
N4-030070	Additional SGSN related Access Types - Detach	Alcatel	Postponed to CN4#19
N4-030071	Additional SGSN related Access Types - Detach	Alcatel	Postponed to CN4#19
N4-030072 N2-030041	Enhancement of dialled service for CAMEL4 in Release 6	Samung Electronics, SK Telecom	Revised to N4-030207
N4-030073 N2-030047	Implementation of enhanced dialled service	Samung Electronics, SK Telecom	Noted
N4-030074 N2-030048	Handling of partial implementation for enhanced dialled service	Samung Electronics, SK Telecom	Noted
N4-030075	The default public user identity in the Server-Assignment-Answer	Nokia	Revised to N4-030245
N4-030076	Replacement of the NAS-Session-Key AVP	Nokia	Revised to N4-030246
N4-030077	Replacement of the NAS-Session-Key AVP	Nokia	Agreed
N4-030078	Corrections to service profile	Nokia	Revised to N4-030239
N4-030079	Correction to the values of User-Authorizatin-Type AVP	Nokia	Agreed
N4-030080	Correction to application server identity	Nokia, Ericsson	Revised to N4-030266
N4-030081	Discussion paper on "Improved recovery handling"	LM Ericsson	Withdrawn
N4-030082	Removal of the N3-BUFFER-SIZE parameter	LM Ericsson	Agreed
N4-030083	Correction of presence requirement for the PCO IE	LM Ericsson, Nokia	Agreed
N4-030084	Intoduction of SGSN Number in SGSN Context Request message	LM Ericsson	Revised to N4-030224
N4-030085	Addition of MSISDN to GTP Forward Relocation Request message	Nortel Networks	Withdrawn
N4-030086	Handover of Group Calls where MSC-B has bearer established	Nortel Networks	Revised to N4-030193
N4-030087	Handover of Group Calls where MSC-B has bearer established	Nortel Networks	Revised to N4-030194
N4-030088	Handover of Group Calls where MSC-B has bearer established	Nortel Networks	Revised to N4-030195
N4-030089	Handover of Group Calls where MSC-B has bearer established	Nortel Networks	Revised to N4-030196
N4-030090	Bearer Release for lu CS on IP	Nortel Networks, Ericsson	Revised to N4-030275
N4-030091	Diagnostic Information in GTP	Nortel Networks	Withdrawn
N4-030092	TEID for GTP-C messages related to unknown PDP Contexts	Nortel Networks, Ericsson	Revised to N4-030180
N4-030093	TEID for GTP-C messages related to unknown PDP Contexts	Nortel Networks, Ericsson	Revised to N4-030181

N4-030094	TEID for GTP-C messages related to unknown PDP Contexts	Nortel Networks, Ericsson	Revised to N4-030295
N4-030095	Clarification on the re-allocation of S-CSCF	France Telecom	Revised to N4-030248
N4-030096	Clarification on the re-allocation of S-CSCF	France Telecom	Revised to N4-030277
N4-030097	Network-Initiated Re-authentication	France Telecom	Revised to N4-030229
N4-030098	Network-Initiated Re-authentication	France Telecom	Revised to N4-030230
N4-030099 N2-030049	Correction to interactions between CAMEL control of MO SMS and barring	Vodafone	Revised to N4-030205
N4-030100 N2-030050	Correction to interactions between CAMEL control of MO SMS and barring	Vodafone	Revised to N4-030258
N4-030101 N2-030051	Correction to interactions between CAMEL control of MO SMS and barring	Vodafone	Revised to N4-030259
N4-030102 N2-030052	Correction to interactions between CAMEL control of MO SMS and barring	Vodafone	Revised to N4-030260
N4-030103	Correction to application server identity	Ericsson	Agreed
N4-030104	Handling of non supported data in the S-CSCF when the profile is being updated	Ericsson	Revised to N4-030226
N4-030105	Setting Of Guaranteed Bitrate & Maximum Bitrate	LM Ericsson	Agreed
N4-030106	Setting Of Guaranteed Bitrate & Maximum Bitrate	LM Ericsson	Agreed
N4-030107	Update to 3GUP package – clarification of Iu Initialisation handling	LM Ericsson	Agreed
N4-030108	Update to 3GUP package - addition of reference to SDU format definition for Nb interface	LM Ericsson	Revised to N4-030278
N4-030109	Independence of IuUP SDU and Non-Access Stratum Application	LM Ericsson	Noted
N4-030110	Independence of SDU and Application	LM Ericsson	Postponed to CN4#19
N4-030111	Independence of SDU and Application	LM Ericsson	Postponed to CN4#19
N4-030112	Security issue with multiple PDP Contexts in GPRS	Vodafone	Noted
N4-030113	Controlling the creation of multiple PDP Contexts	Vodafone	Withdrawn
N4-030114	Controlling the creation of multiple PDP Contexts	Vodafone	Withdrawn
N4-030115	Controlling the creation of multiple PDP Contexts	Vodafone	Withdrawn
N4-030116	Controlling compression performed on the SGSN	Vodafone	Rejected
N4-030117	Controlling compression performed on the SGSN	Vodafone	Rejected
N4-030118	Controlling compression performed on the SGSN	Vodafone	Postponed to CN4#19
N4-030119	Change of SPI to SPT	NEC	Revised to N4-030261
N4-030120	Change of initial filter criteria	NEC	Withdrawn
N4-030121	Change of initial filter criteria	NEC	Withdrawn
N4-030122	Clarification on Sh interface for charging purposes	NEC	Revised to N4-030190
N4-030123	Clarification on Sh interface for charging purposes	NEC	Agreed
N4-030124	Change of SPI to SPT	NEC	Revised to N4-030268
N4-030125	Change of initial filter criteria	NEC	Withdrawn
N4-030126	Change of initial filter criteria	NEC	Withdrawn
N4-030127	Change of SS-Code List description for Insert Subscriber Data	ERICSSON L.M.	Revised to N4-030281

N4-030128	Change of SS-Code List description for Insert Subscriber Data	ERICSSON L.M.	Revised to N4-030282
N4-030129	Change of SS-Code List description for Insert Subscriber Data	ERICSSON L.M.	Revised to N4-030283
N4-030130	Change of SS-Code List description for Insert Subscriber Data	ERICSSON L.M.	Revised to N4-030284
N4-030131	Change of SS-Code List description for Insert Subscriber Data	ERICSSON L.M.	Revised to N4-030285
N4-030132	Change of SS-Code List description for Insert Subscriber Data	ERICSSON L.M.	Revised to N4-030286
N4-030133	Change of SS-Code List description for Insert Subscriber Data	ERICSSON L.M.	Revised to N4-030287
N4-030134 N2-030136	Incorrect handling of TDP-Criteria for VT-CSI	ERICSSON L.M.	Withdrawn
N4-030135 N2-030137	Incorrect handling of TDP-Criteria for VT-CSI	ERICSSON L.M.	Withdrawn
N4-030136 N2-030138	Incorrect handling of TDP-Criteria for VT-CSI	ERICSSON L.M.	Withdrawn
N4-030137 N2-030139	Incorrect handling of TDP-Criteria for VT-CSI	ERICSSON L.M.	Withdrawn
N4-030138	Missing of "Continue Monitoring message" in SDL 21.7_3.2	ERICSSON L.M.	Revised to N4-030211
N4-030139	Missing of "Continue Monitoring message" in SDL 21.7_3.2	ERICSSON L.M.	Rejected
N4-030140	Missing of "Continue Monitoring message" in SDL 21.7_3.2	ERICSSON L.M.	Rejected
N4-030141	Missing of "Continue Monitoring message" in SDL 21.7_3.2	ERICSSON L.M.	Rejected
N4-030142	Missing of "Continue Monitoring message" in SDL 21.7_3.2	ERICSSON L.M.	Revised to N4-030288
N4-030143	Missing of "Continue Monitoring message" in SDL 21.7_3.2	ERICSSON L.M.	Revised to N4-030289
N4-030144	Two-step HLR interrogation for SCUDIF calls	ERICSSON L.M.	Revised to N4-030293
N4-030145	Two-step HLR interrogation for SCUDIF calls	ERICSSON L.M.	Revised to N4-030294
N4-030146	Alignment of TS 29.002 with TS 23.172 regarding QoS subscribed data	ERICSSON L.M.	Revised to N4-030296
N4-030147	Alignment of TS 29.002 with TS 23.172 regarding QoS subscribed data	ERICSSON L.M.	Revised to N4-030297
N4-030148 N2-030133	Incorrect Charging with MNP	ERICSSON L.M.	Postponed to CN4#19
N4-030149 N2-030134	Incorrect Charging with MNP	ERICSSON L.M.	Postponed to CN4#19
N4-030150 N2-030135	Incorrect Charging with MNP	ERICSSON L.M.	Postponed to CN4#19
N4-030151 N2-030056	Using ATI for Mobile Number Portability	ERICSSON L.M.	Noted
N4-030152	Intoduction of MSC Number in MAP-SEND-IDENTIFICATION message	ERICSSON L.M.	Revised to N4-030222
N4-030153 N2-030074	Correction to the inclusion of Generic Number in SRI	Ericsson	Revised to N4-030206
N4-030154 N2-030075	HLR handling when SRI from gsmSCF is not allowed	Ericsson	Withdrawn
N4-030155 N2-030076	Stopping No_Answer timer in the case of forwarding notification	Ericsson	Revised to N4-030210
N4-030156 N2-030077	Correction to interaction between ORLCF and forwarding notification	Ericsson	Revised to N4-030212
N4-030157	WLAN Interworking – stage 3 definition of WLAN – 3GPP interworking	Nokia	Revised to N4-030221
N4-030158	GUP work in CN4	Nokia	Noted
N4-030159	Correction of GTP' references	Nokia	Agreed
N4-030160	Introduction of Call Barring for SMS in PS domain	DoCoMo, NTT Comware	Revised to N4-030235
N4-030161	Introduction of Call Barring for SMS in PS domain	DoCoMo, NTT Comware	Agreed

N4-030162	Introducing SMS Call Barring in PS domain	DoCoMo, NTT Comware	Agreed
N4-030163	Introducing SMS Call Barring in PS domain	DoCoMo, NTT Comware	Revised to N4-030236
N4-030164	Clarification of interaction between ongoing call and cancel location	DoCoMo	Withdrawn
N4-030165	3GPP/IETF Release 6 Workshop Major Conclusions	CN Chairman	Noted
N4-030166	Negotiation of Iu UP framing protocol mode	Siemens	Noted
N4-030167	Negotiation of Iu UP framing protocol mode	Siemens	Noted
N4-030168	IuUP Initialisation during Codec Modification	Siemens	Noted
N4-030169	Addition of Signalling PDP context indication to QoS IE	Nokia	Withdrawn
N4-030170	GPRS procedures for IMS emergency sessions	Nokia	Postponed to CN4#19
N4-030171 N2-030064	Negotiation for enhanced dialled services capabilities	Nokia	Noted
N4-030172	Controlling the creation of multiple PDP Contexts	Vodafone	Withdrawn
N4-030173	Addition of Positioning Data IE to Provide Subscriber Location and Send Location Report	Nortel Networks	Revised to N4-030197
N4-030174	Addition of Positioning Data IE to Provide Subscriber Location and Send Location Report	Nortel Networks	Revised to N4-030198
N4-030175	LS on new MSC address	SA2	Noted
N4-030176	Further clarification of the protocol to be used on the E-interface	Siemens	Revised to N4-030306
N4-030177	Further clarification of the protocol to be used on the E-interface	Siemens	Revised to N4-030307
N4-030178	Further clarification of the protocol to be used on the E-interface	Siemens	Revised to N4-030308
N4-030179	Clarification of interaction between ongoing call and cancel location	DoCoMo	Withdrawn
N4-030180	TEID for GTP-C messages related to unknown PDP Contexts	Nortel Networks, Ericsson	Rejected
N4-030181	TEID for GTP-C messages related to unknown PDP Contexts	Nortel Networks, Ericsson	Rejected
N4-030182 N2-030127	R99 23.018 Correction to wrong implementation of approved CR 089r2 and 096	Orange	Revised to N4-030327
N4-030183	LS on early UE handling	RAN "Early UE" ad-hoc	Noted
N4-030184	LS on Request for Inter-GMLC (Lr) Interface Work Item progress report	SA2	Noted
N4-030185	LS on Subscribed Media	SA2	Noted
N4-030186	LS on QoS for Signalling PDP Context	SA2	Noted
N4-030187	LS with enhanced stage 2 description of the GMLC – PPR, Lpp-interface	SA2	Noted
N4-030188	Definition of Subscribed Media Profile Identifier	Siemens	Revised to N4-030251
N4-030189	Definition of Subscribed Media Profile Identifier	Siemens	Revised to N4-030252
N4-030190	Clarification on Sh interface for charging purposes	NEC	Revised to N4-030267
N4-030191	LS on Use of Cause code 198 in GTP	SA5	Noted
N4-030192	Formal correction to the ASN.1 syntax of SendIdentificationRes	Ericsson	Postponed to CN4#19
N4-030193	Handover of Group Calls where MSC-B has bearer established	Nortel Networks	Revised to N4-030302
N4-030194	Handover of Group Calls where MSC-B has bearer established	Nortel Networks	Revised to N4-030303

N4-030195	Handover of Group Calls where MSC-B has bearer established	Nortel Networks	Revised to N4-030304
N4-030196	Handover of Group Calls where MSC-B has bearer established	Nortel Networks	Revised to N4-030305
N4-030197	Addition of Positioning Data IE to Provide Subscriber Location and Send Location Report	Nortel Networks	Revised to N4-030253
N4-030198	Addition of Positioning Data IE to Provide Subscriber Location and Send Location Report	Nortel Networks	Revised to N4-030254
N4-030199	LCS enhancements for GSM based systems	Nortel Networks	Noted
N4-030200	LS on additional parameters in LCS for GERAN Access	Nortel Networks	Revised to N4-030255
N4-030201 N2-030097	Clean-up of SMS procedures chapter	Vodafone	Revised to N4-030291
N4-030202 N2-030098	Clean-up of SMS procedures chapter	Vodafone	Revised to N4-030292
N4-030203	Discussion Paper On Proposed Structure Of Mn Interface	Ericsson	Noted
N4-030204	Input document from ITU-16 on Video Conference Package	Ericsson	Noted
N4-030205 N2-030103	Correction to interactions between CAMEL control of MO SMS and barring	Vodafone	Email approval
N4-030206 N2-030109	Correction to the inclusion of Generic Number in SRI	Ericsson	Agreed
N4-030207 N2-030130	Enhancement of dialled service for CAMEL4 in Release 6	Samung Electronics, SK Telecom	Noted
N4-030208	defining ASN.1 DEFAULT value for RequestedDomain in ATI Request	Ericsson	Postponed to CN4#19
N4-030209	defining ASN.1 DEFAULT value for RequestedDomain in ATI Request	Ericsson	Postponed to CN4#19
N4-030210	Stopping No_Answer timer in the case of forwarding notification	Ericsson	Postponed to CN4#19
N4-030211	Missing of "Continue Monitoring message" in SDL 21.7_3.2	ERICSSON L.M.	Rejected
N4-030212	Correction to interaction between ORLCF and forwarding notification	Ericsson	Postponed to CN4#19
N4-030213	Incorrect Charging with MNP	Ericsson	Revised to N4-030317
N4-030214	LS on use of Allocation/Retention Priority	Siemens	Revised to N4-030311
N4-030215	LS to:SA2; cc: RAN3	Ericsson	Approved
N4-030216	Synchronisation of transparent data	Siemens	Revised to N4-030309
N4-030217	LS on Inclusion of Alternative Charging Gateway Address LS on Inclusion of Alternative Charging Gateway Address		Approved
N4-030218	Proposed LS on Use of Cause code 198 in GTP	Lucent	Approved
N4-030219	Proposed LS on Guaranteed Bit Rate in RANAP	Nortel	Approved
N4-030220	Phil	Ericsson	Approved
N4-030221	WLAN Interworking – stage 3 definition of WLAN – 3GPP interworking	Nokia	Approved
N4-030222	Intoduction of MSC Number in MAP-SEND-IDENTIFICATION message	Ericsson	Agreed
N4-030223	Results of request for requirements for Preferred Framing Protocol	Ericsson	Noted
N4-030224	Intoduction of SGSN Number in SGSN Context Request message	Ericsson	Agreed
N4-030225	LS to CN3 on Proposed Split of work between 29.163 & 29.332	Ericsson	Approved
N4-030226	Handling of non supported data in the S-CSCF when the profile is being updated	Ericsson	Revised to N4-030250
N4-030227	Handling of non supported data in the S-CSCF when the profile is being updated	Ericsson	Revised to N4-030237

N4-030228	Optional additional priority level for subscription to accommodate Priority Service	Telcordia Technologies	Agreed without presentation
N4-030229	Network-Initiated Re-authentication	France Telecom	Postponed to CN4#19
N4-030230	Network-Initiated Re-authentication	France Telecom	Postponed to CN4#19
N4-030231	IPv4 and IPv6 form of Charging Gateway Address	Nokia	Revised to N4-030269
N4-030232	Addition of Privacy Check Related Action to Provide Subscriber Location request	Nokia	Postponed to CN4#19
N4-030233	Mn WID update	Siemens	Revised to N4-030310
N4-030234	Introduction of Call Barring for SMS in PS domain	NTT DoCoMo, NTT Comware, Vodafone	Agreed without presentation
N4-030235	Introduction of Call Barring for SMS in PS domain	DoCoMo, NTT Comware	Agreed without presentation
N4-030236	Introducing SMS Call Barring in PS domain	DoCoMo, NTT Comware	Agreed without presentation
N4-030237	Handling of non supported data in the S-CSCF when the profile is being updated	Ericsson	Agreed
N4-030238	Clarification of service profile download at service profile modification	Ericsson, Nokia	Agreed
N4-030239	Corrections to service profile	Nokia	Revised to N4-030247
N4-030240	Clarification of the HSS behaviour in REGISTRATION and DE_REGISTRATION procedures at IMPU checking time	Ericsson	Agreed
N4-030241	Clarification of IMPU barring handling	Ericsson	Agreed without presentation
N4-030242	Clarification of IMPU barring handling	Ericsson	Agreed without presentation
N4-030243	Update TS 29.228 after Diameter has become RFC	Ericsson	Agreed without presentation
N4-030244	Update TS 29.229 after Diameter has become RFC	Ericsson	Agreed without presentation
N4-030245	The default public user identity in the Server-Assignment-Answer	Nokia	Agreed without presentation
N4-030246	Replacement of the NAS-Session-Key AVP	Nokia	Agreed without presentation
N4-030247	Corrections to service profile	Nokia	Agreed without presentation
N4-030248	Clarification on the re-allocation of S-CSCF	France Telecom	Revised to N4-030312
N4-030249	LS on Network-Initiated Re-authentication	France Telecom	Approved
N4-030250	Handling of non supported data in the S-CSCF when the profile is being updated	Ericsson	Revised to N4-030314
N4-030251	Definition of Subscribed Media Profile Identifier	Siemens	Agreed
N4-030252	Definition of Subscribed Media Profile Identifier	Siemens	Agreed
N4-030253	Addition of Positioning Data IE to Provide Subscriber Location and Send Location Report	Nortel Networks	Agreed without presentation
N4-030254	Addition of Positioning Data IE to Provide Subscriber Location and Send Location Report	Nortel Networks	Agreed without presentation
N4-030255	LS on additional parameters in LCS for GERAN Access	Nortel Networks	Approved
N4-030256	Update TS 29.329 after Diameter has become RFC	Ericsson	Revised to N4-030263
N4-030257	Update TS 29.328 after Diameter has become RFC	Ericsson	Revised to N4-030262
N4-030258	Correction to interactions between CAMEL control of MO SMS and barring	Vodafone	Rejected 28 th February
N4-030259	Correction to interactions between CAMEL control of MO SMS and barring	Vodafone	Rejected 28 th February

N4-030260	Correction to interactions between CAMEL control of MO SMS and barring	Vodafone	Rejected 28 th February
N4-030261	Change of SPI to SPT	NEC	Agreed
N4-030262	Update TS 29.328 after Diameter has become RFC	Ericsson	Agreed without presentation
N4-030263	Update TS 29.329 after Diameter has become RFC	Ericsson	Agreed without presentation
N4-030264	Missing code-point in Data-Reference AVP	Ericsson	Agreed
N4-030265	Introduction of SGSN number in forward reallocation response message	Ericsson	Agreed 28th February
N4-030266	Correction to application server identity	Nokia, Ericsson	Agreed without presentation
N4-030267	Clarification on Sh interface for charging purposes	NEC	Agreed
N4-030268	Change of SPI to SPT	NEC	Agreed
N4-030269	IPv4 and IPv6 form of Charging Gateway Address	Nokia	Revised to N4-030320
N4-030270	Reinstatement of cause code version not supported	Lucent technologies	Agreed
N4-030271	Reinstatement of cause code version not supported	Lucent technologies	Agreed
N4-030272	Reinstatement of cause code version not supported	Lucent technologies	Agreed
N4-030273	LS Response on requirements for one AS to be able to read and/or modify the initial filter criteria of another AS	CN1	Noted
N4-030274	LS reply to CN4 on Proposed Split Of Work between 29.163 and 29.332	CN3	Noted
N4-030275	Bearer Release for lu CS on IP	Nortel Networks, Ericsson	Argeed without presentation
N4-030276	Initial Filter Criteria	Siemens	Revised to N4-030315
N4-030277	Clarification on the re-allocation of S-CSCF	France Telecom	Agreed
N4-030278	Update to 3GUP package - addition of reference to SDU format definition for Nb interface	LM Ericsson	Argeed without presentation
N4-030279	Synchronising the updates of Repository Data	Nokia	Postponed to CN4#19
N4-030280	Synchronising the updates of Repository Data	Nokia	Postponed to CN4#19
N4-030281	Change of SS-Code List description for Insert Subscriber Data	ERICSSON L.M.	Agreed without presentation
N4-030282	Change of SS-Code List description for Insert Subscriber Data	ERICSSON L.M.	Agreed without presentation
N4-030283	Change of SS-Code List description for Insert Subscriber Data	ERICSSON L.M.	Agreed without presentation
N4-030284	Change of SS-Code List description for Insert Subscriber Data	ERICSSON L.M.	Agreed without presentation
N4-030285	Change of SS-Code List description for Insert Subscriber Data	ERICSSON L.M.	Agreed without presentation
N4-030286	Change of SS-Code List description for Insert Subscriber Data	ERICSSON L.M.	Agreed without presentation
N4-030287	Change of SS-Code List description for Insert Subscriber Data	ERICSSON L.M.	Agreed without presentation
N4-030288	Missing of "Continue Monitoring message" in SDL 21.7_3.2	ERICSSON L.M.	Agreed without presentation
N4-030289	Missing of "Continue Monitoring message" in SDL 21.7_3.2	ERICSSON L.M.	Agreed without presentation
N4-030290	TS 29.332 0.1.0; Media Gateway Control Function (MGCF) – IM Media Gateway; Mn Interface	Siemens	Approved as a basic for further work
N4-030291	Clean-up of SMS procedures chapter	Vodafone	Email approval
N4-030292	Clean-up of SMS procedures chapter	Vodafone	Email approval

N4-030293	Two-step HLR interrogation for SCUDIF calls	ERICSSON L.M.	Revised to N4-030321
N4-030294	Two-step HLR interrogation for SCUDIF calls	ERICSSON L.M.	Revised to N4-030322
N4-030295	TEID for GTP-C messages related to unknown PDP Contexts	Nortel Networks, Ericsson	Revised to N4-030318
N4-030296	Alignment of TS 29.002 with TS 23.172 regarding QoS subscribed data	ERICSSON L.M.	Agreed
N4-030297	Alignment of TS 29.002 with TS 23.172 regarding QoS subscribed data	ERICSSON L.M.	Agreed
N4-030298	Correction to the definitions of Radio Resource List and BSSMAP Service Handover List	Nokia	Agreed
N4-030299	Correction to the definitions of Radio Resource List and BSSMAP Service Handover List	Nokia	Agreed
N4-030300	Correction to the definitions of Radio Resource List and BSSMAP Service Handover List	Nokia	Agreed
N4-030301	Correction to the definitions of Radio Resource List and BSSMAP Service Handover List	Nokia	Agreed
N4-030302	Handover of Group Calls where MSC-B has bearer established	Nortel Networks	Agreed without presentation
N4-030303	Handover of Group Calls where MSC-B has bearer established	Nortel Networks	Agreed without presentation
N4-030304	Handover of Group Calls where MSC-B has bearer established	Nortel Networks	Agreed without presentation
N4-030305	Handover of Group Calls where MSC-B has bearer established	Nortel Networks	Agreed without presentation
N4-030306	Further clarification of the protocol to be used on the E-interface	Siemens	Endorsed by CN4
N4-030307	Further clarification of the protocol to be used on the E-interface	Siemens	Endorsed by CN4
N4-030308	Further clarification of the protocol to be used on the E-interface	Siemens	Endorsed by CN4
N4-030309	Synchronisation of transparent data	Siemens	Postponed to CN4#19
N4-030310	Mn WID update	Siemens	Approved
N4-030311	LS on use of Allocation/Retention Priority	Siemens	Approved
N4-030312	Clarification on the re-allocation of S-CSCF	France Telecom	Agreed without presentation
N4-030313	LS on Early UE Handling	CN1	Noted
N4-030314	Handling of non supported data in the S-CSCF when the profile is being updated	Ericsson	Agreed
N4-030315	Initial Filter Criteria	Siemens	Agreed 28th February
N4-030316	RegistrationState alignment	Siemens	Agreed 28th February
N4-030317	Incorrect Charging with MNP	Ericsson	Revised to N4-030319
N4-030318	TEID for GTP-C messages related to unknown PDP Contexts	Nortel Networks, Ericsson	Revised to N4-030323
N4-030319	Incorrect Charging with MNP	Ericsson	Approved without presentation
N4-030320	IPv4 and IPv6 form of Charging Gateway Address	Nokia	Agreed without presentation
N4-030321	Two-step HLR interrogation for SCUDIF calls	ERICSSON L.M.	Agreed without presentation
N4-030322	Two-step HLR interrogation for SCUDIF calls	ERICSSON L.M.	Agreed without presentation
N4-030323	TEID for GTP-C messages related to unknown PDP Contexts	Nortel Networks, Ericsson	Agreed without presentation
N4-030324	Clean-up of SMS procedures chapter	Vodafone	Agreed 28th February

N4-030325	Clean-up of SMS procedures chapter	Vodafone	Agreed 28th February
N4-030326	Correction to interactions between CAMEL control of MO SMS and barring	Vodafone	Rejected 28th February
N4-030327	R99 23.018 Correction to wrong implementation of approved CR 089r2 and 096	Orange	Agreed 28th February
N4-030328	R99 23.018 Correction to wrong implementation of approved CR 089r2 and 096	Orange	Agreed 28th February
N4-030329	R99 23.018 Correction to wrong implementation of approved CR 089r2 and 096	Orange	Agreed 28th February

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 CN4 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 E: Document history

Document History	
28th February 2003	<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.org</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 14th March 2003</p>
17th March 2003	Draft report v2.0.0 placed on the FTP server
17th May 2003	Version 2.0.0 approved at CN4#19 Meeting in San Diego, USA – Made version 3.0.0. Placed to server as the official meeting report.