Third Generation Partnership Project

MEETING REPORT v1.0.0

3GPP TSG-CN4#22

Atlanta, USA.
16th - 20th February, 2004

Hosted by:

The US Friends of 3GPP

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1 Opening of the meeting and approval of the agenda

Mr. Peter Schmitt of Siemens welcomed the delegates to Atlanta on behalf of the hosts.
The meeting was chaired by Mr. Peter Schmitt, (Chair, Siemens). Additional support was provided by Mr. Kimmo Kymäläinen (CN4 Secretary, MCC).

Proposed agenda **N4-040003 APPROVED**

1.1 IPR Call

The Chairman drew attention to Members' obligations under the 3GPP Partner Organizations' IPR policies. Every Individual Member organization is obliged to declare to the Partner Organization or Organizations of which it is a member any IPR owned by the Individual Member or any other organization which is or is likely to become essential to the work of 3GPP.

2 Allocation of documents to agenda items

N4-040005 **Detailed agenda & time plan for CN4 #22: status on eve of meeting**
Discussion:
Status: **APPROVED.**

3 Meeting Reports

3.1 CN4#21 meeting report Bangkok, THAILAND

N4-040009 **CN4#21 meeting report Bangkok, THAILAND**
Discussion:
Status: **APPROVED.**

3.2 Summary report from CN #22 & SA #22, Hawaii, USA

N4-040007 **Summary report from CN #22 & SA #22, Hawaii, USA**
Discussion:
Status: **NOTED.**

4 Input liaison statements

N4-040032 **Input LS; Liaison Statement reply to 3GPP SA2 on Comments on ETSI SR 002 180 V0.3.2; OCG EMTEL**
Discussion: No action to CN4
Status: **NOTED.**

N4-040034 **LS on issues related to SNA Access Information; GERAN**
Discussion: TSG GERAN WG2 kindly ask TSG CN WG4 to comment and provide guidance on the following issues:

1. TSG GERAN WG2 would like to request whether the proposal described in GP-032609 about how to encode of the SNA Information IE when included in the HANDOVER REQUEST / COMMON ID BSSMAP messages is obeying the regular TSG CN WG4 principles for protocols design.

- CN4 is taking care of MAP-interface. The changes GERAN has done A-interface. Ericsson support the changes by GERAN

2. TSG GERAN WG2 would like TSG CN WG4 to comment on the issue of SNA Access Information exceeding the available space in the HANDOVER REQUEST message and on the proposed solution to overcome it (separate sending in COMMON ID message).
    - Nokia: This is something that should be handled in GERAN. CN4 doesn't have anything against change.
3. TSG GERAN WG2 would also like to be informed whether there is any essential reason why the mapping between Iu Release Request and Clear Request messages is missing in 3GPP TS 29.010, or if it rather needs to be included.
    - Nokia: CR needs to be included and CRs will be introduced in next meeting.

Reply LS to GERAN N4-040243, drafted by Nokia

Status: **Noted**

N4-040243 **Reply LS on issues related to SNA Access Information; Nokia**

Discussion:

Status: **Approved**

N4-040035 **LS Reply on “Trace Management”; CN1**

Discussion: No action to CN4

Status: **NOTED.**

N4-040036 **Management of the "3GPPnetworg.org" domain; CN**

Discussion: No action to CN4

Status: **NOTED.**

N4-040037 **LS on DNS domains used on the GRX; GSMA IREG**

Discussion: **ACTION:** GSMA IREG PACKET working party asks 3GPP TSG CN and 3GPP TSG CN4 groups to:

- Use the ".3gppnetwork.org" domain name only for the case where an IMS client does not have access to an ISIM and for any future services; legacy services should still be allowed to use the ".gprs" domain.
- Align the structure of the ".3gppnetwork.org" domain to that used for the ".gprs" domain.
- Correct the instances in 3GPP TS 23.003 where it is stated that 4 digit MNCs and MCCs are used in the ".gprs" domain name, to state that only 3 digit MNCs and MCCs shall be used.

Status: **NOTED.**

N4-040039 **Modification of the LDR event types (reply to S2-032722); SA1**

Discussion: No action to CN4

Status: **NOTED.**

N4-040041 **Clarification of the USSD message transfer to SIM/USIM requirement; SA1**

Discussion: SA1 kindly ask T3 and CN4 to consider description in LS and fulfil the mentioned requirements with appropriate changes in the corresponding technical specifications. SA1 would also like to know for which release this functionality can be made available.

Status: **NOTED.**

N4-040064 **Reply Clarification of the USSD message transfer to SIM/USIM requirement; T3**

Discussion:

Status: **NOTED.**

N4-040043 **Reply Clarification of the USSD message transfer to SIM/USIM requirement; SA1**

Discussion: Specification 23.090 might be involved if yes, SA1 delegates should be informed.

Status: **NOTED.**

N4-040044 **Call hold requirement for CS multimedia; SA1**

Discussion: SA1 kindly ask CN4 to give a feedback how call hold can be supported for CS multimedia, and if the attached CR is necessary to accomplish the requirement.

- CN4 doesn't see necessary to implement this kind of requirement in core network. CR is not needed. The best solution is to have WID on topic and inform the CN3 and SA2 WGs.
- Reply LS N4-040245 to SA1, drafted by Nortel Networks

Status: **NOTED.**

N4-040245 **ReplyCall hold requirement for CS multimedia; Nortel Networks**

Discussion:

Status: **Approved**

N4-040047 **Reply to EMTEL EM04td014r2 and Comments on ETSI SR 002 180 V0.3.2; SA2**

Discussion: No action to CN4

Status: **NOTED.**

N4-040048 **Response to LS "Inclusion of IMS Signalling Indicator in S-CDR"; SA2**

Discussion: No action to CN4

Status: **NOTED.**

N4-040051 **LS to report the status of location services standardisation in 3GPP SA2; SA2**

Discussion: No action to CN4

Status: **NOTED.**

N4-040053 **Serving network identity from SGSN to GGSN; SA2**

Discussion: No action to CN4

Status: **NOTED.**

N4-040059 **MMS WID MM4 Private addressing; SA2**

Discussion: No action to CN4

Status: **NOTED.**

N4-040234 **LS on RIM routing addressing between GERAN and UTRAN; GERAN**

Discussion: TSG GERAN WG2 would like to ask TSG RAN WG3 and TSG CN WG4 to comment on the addressing principles considered to exchange RAN information between GERAN and UTRAN nodes, on the suggestion to use the "Global RNC-Id" to address RIM PDUs towards UTRAN, and on the proposed information element coding.

Status: **Postponed to CN4#23**

N4-040236 **Length of Parameter for Service Identity; CN1**

Discussion: No action to CN4

Status: **NOTED.**

N4-040238 **Reply LS on Trace Management; SA5**

Discussion: SA5 SWGA kindly asks CN4 to study the responses above and to take them into account when providing their Trace functionality.

Nokia wants to wait until SA5 specifications are more stabile before CN4 can start to work on subject.

Status: **NOTED**

N4-040240 **Reply to N4-031152 (S3-030672) on use of authentication re-attempt IE; SA3**

Discussion: **Action:** To confirm that the SA3 requirement can be implemented so that SA3 can update TS33.102 if necessary.

SA3 Spec needs to be updated

Status: **NOTED**

N4-040247 **Reply to on use of authentication re-attempt IE; NEC**

Discussion: .

Status: **Approved**

N4-040324 **Issue for checking an SMS interworking agreement procedure with mobile number portability; GSMA IREG**

Discussion:

Status: **Postponed to CN4#23**

5 Work Item management

N4-040122 **Trace Management, stage 3, network**

Discussion: Ericsson: Stage 3 impacts should be covered in this WID. Level of information from SA5 is not detailed. More detailed description is needed in section 4: Objective.

Ericsson: If we carry on same time as stage 2 work is going on we should have clear CN requirements what should be done.

Nokia: In last meeting we had CR for information.

CN4 decided that more clarification of requirements is needed in objective.

Ericsson proposed to add note under objective that "stage 2 specification is not stabile for requirements to stage 3"

Status: **Revised to N4-040248**

⇓ REVISED ⇓

N4-040248 **Trace Management, stage 3, network**

Discussion: Revised before handled

Status: **Revised to N4-040318**

⇓ REVISED ⇓

N4-040318 **Trace Management, stage 3, network**

Discussion: Supporting companies: Nokia, Lucent, Nortel.

Status: **Approved**

6 Release 6

6.1 Wireless LAN interworking

N4-040045 **LS to CN4 on IETF work on RADIUS enhancements; SA2**
Discussion: France Telecom: The new official group will be created by IETF in next meeting.
Status: **Noted**

N4-040046 **Reply LS on Clarification for the WLAN D'/Gr' interface standardization; SA2**
Discussion:
Status: **Noted**

N4-040057 **LS on Diameter References in TS 23.234; SA2**
Discussion:
Status: **Noted**

N4-040058 **LS on the use of GTP for WLAN-GPRS interworking; SA2**
Discussion: SA2 asks CN4 to give guidance on the questions raised on LS, and possible provide comments on the open issues of the drafted solution for WLAN-GPRS interworking.
Status: **Noted**

N4-040239 **Reply LS on the use of GTP for WLAN-GPRS interworking; Nokia**
Discussion: Ericsson's N4-040254 will be used as a base document for Reply LS.
Status: **Noted**

N4-040254 **Reply LS on the use of GTP for WLAN-GPRS interworking; Ericsson**
Discussion: Lucent: PDC needs to insert the MNC and MCC of visited network of the subscriber.

Status: **Revised to N4-040300**

⇓ REVISED ⇓

N4-040300 **Reply LS on the use of GTP for WLAN-GPRS interworking; Ericsson**
Discussion:
Status: **Revised to N4-040346**

⇓ REVISED ⇓

N4-040346 **Reply LS on the use of GTP for WLAN-GPRS interworking; Ericsson**
Discussion: NEC: We should give a clear answer and that's why the last sentence should be removed. Impacts for scenario 4 and 5 are further study.
Status: **Revised to N4-040351**

⇓ REVISED ⇓

N4-040351 **Reply LS on the use of GTP for WLAN-GPRS interworking; Ericsson**
Discussion:
Status: **Approved**

N4-040235 **LS on WLAN access parameters to TS 23.003; CN1**
Discussion:
Status: **Noted**

N4-040123 **Addition of WLAN access identities; Nokia**
CR: **23.003-085**
Discussion:
Status: **Revised to N4-040289**

⇓ REVISED ⇓

N4-040289 **Addition of WLAN access identities; Nokia**
CR: **23.003-085r1**
Discussion:
Status: **Agreed**

N4-040290 **Addition of WLAN access identities; Orange**
Discussion: Liaison will be send also as copy to CN plenary.
Status: **Approved**

N4-040241 **Reply LS on WLAN authentication and authorization; SA3**
Discussion:
Status: **Noted**

N4-040228 **Authentication commands in Wx; Eicsson**
Discussion: Siemens: Meaning of reusing is not clear for us in this case.
CN4 decided to add rules of reuse command codes in new specification.
Visited network AVP should be conditional only included if subscriber is roaming outside of home network.
Hotspot-ID AVP is conditional and shall be included in non-roaming cases and optional in the roaming case.
Status: **Revised to N4-040291**

⇓ REVISED ⇓

N4-040291 **Authentication commands in Wx; Ericsson**
Discussion:
Status: **Agreed by CN4**

N4-040095 **Profile download procedure initiated by the HSS in Wx; Ericsson**
Discussion:
Status: **Revised to N4-040295**

⇓ REVISED ⇓

N4-040295 **Profile download procedure initiated by the HSS in Wx; Ericsson**
Discussion:
Status: **Agreed by CN4**

N4-040096 **Cancel registration procedure in Wx by HSS; Ericsson**

Discussion: Editorial correction was made.
Status: **Revised to N4-040298**

⇓REVISED⇓

N4-040298 Cancel registration procedure in Wx by HSS; Ericsson
Discussion:
Status: **Agreed by CN4**

N4-040229 Registration procedure and Profile download in Wx; Ericsson
Discussion:
Status: **Revised to N4-040298**

⇓REVISED⇓

N4-040298 Registration procedure and Profile download in Wx; Ericsson
Discussion:
Status: **Agreed by CN4**

N4-040098 Updates in Wr and Ws reference point names; Ericsson
Discussion: Lucent: Section 5 General architecture should be removed and set reference to stage 2 TS 23.234.
Status: **Principle Agreed**

6.2 Generic User Profile

N4-040038 LS on updated WID for GUP; SA1
Discussion: No action to CN4
Status: **NOTED.**

N4-040040 LS on clarified requirements on synchronization for GUP; SA1
Discussion: No action to CN4
Status: **NOTED.**

N4-040050 Reply LS on Hierarchical Structure in GUP Specs; SA2
Discussion: No action to CN4
Status: **NOTED.**

N4-040052 Reply LS on Hierarchical Structure in GUP Specs; SA2
Discussion: SA2 have selected option: GUP Profile can contain Components, and Components containing Data Element Groups (DEGs) and/or Data Elements and additionally references to other Components. SA2 kindly ask CN4 implement the selected option for the GUP information model in 29.240.
Status: **NOTED.**

N4-040063 LS on Hierarchical Structure in GUP Specs; T2
Discussion: No action to CN4. Decision made in SA2 LS N4-040052.
Status: **NOTED.**

N4-040242 LS on GUP security directions; SA3
Discussion: CN4 is kindly asked to take into account the SA3 decision on using Liberty Alliance Project ID-WSF security solutions as the basis for the GUP security work.

Status: **NOTED.**

N4-040106 **Draft LS on Relationship between 3GPP and Liberty Alliance related to GUP work; Nortel Networks**

Discussion: CN Chairman: We have two options to use Liberty alliance specifications: Modifications of existing documentation will be made by 3GPP or Liberty Alliance themselves.

Ericsson and Nokia: The primary strategy is to make work in Liberty Alliance, if the work can't be done in time then 3GPP can finish the work on by own.

CN would prefer the working relationship between 3GPP and Liberty Alliance to allow the following working practices:

- Selective reference of Liberty Alliance specifications in 3GPP documentation
- Liberty Alliance consideration of 3GPP requirements via company contributions in Liberty Alliance.
- Extension of Liberty Alliance specifications where they fail to meet the requirements of 3GPP.

In the worst case, 3GPP groups may need to reproduce and modify Liberty Alliance specifications, should the work of Liberty Alliance diverge from the requirements of 3GPP.

Within the stage 2 work on GUP, the requirement for interworking to Liberty Alliance is included in 23.240. It would be useful for a similar reciprocal requirement to be placed on the Liberty Alliance work to interwork to 3GPP GUP.

CN4 is also aware that the work of Liberty Alliance is being considered for re-use by other groups, and so those groups may wish to consider requesting similar reciprocal requirements to be included in Liberty Alliance for their work.

Status: **Revised to N4-040262**

⇓ REVISED ⇓

N4-040262 **LS on Relationship between 3GPP and Liberty Alliance related to GUP work; Nortel Networks**

Discussion:

Status: **Approved**

N4-040246 **Reuse of Liberty in 3GPP; Ericsson, Nokia**

Discussion: The main goal for CN4 is how do we want to reference Liberty Alliance documentation.

Lucent: There are some parts in Liberty Alliance documentation that we can use and some parts that need enhancements.

Nortel: How often Liberty Alliance meets?

Ericsson and Nokia proposed:

- In order to avoid having two parallel standardization paths which would provide a solution for the same problem, we suggest therefore that 3GPP concentrates its working activities from now until the end of the Release 6 in those parts which are 3GPP specific and will not be developed by Liberty (Profile definitions, completion of the Create/Delete procedures - probably as an extension of the DST Query and Modify procedures, currently adopted for the Rp and Rg Query and Modify procedures etc), and adopt the new functionality specified by Liberty which should be publicly available before the end of the release.
- The fact that the new Liberty release will fulfill the 3GPP GUP requirements shall be ensured by means of the individual contributions of the 3GPP members in Liberty. These contributions could be agreed in advance inside of 3GPP and then introduced in Liberty by any Liberty and 3GPP member.

CN Chairman: The primary strategy is to make work in Liberty Alliance, in fall back situation the work can be done in 3GPP.
CN Chairman: The

Status: **NOTED.**

N4-040124 **Summary of Nokia GUP contributions; Nokia**

Discussion:

Status: **Noted**

N4-040125 **GUP Alignment with Liberty ID-WSF; Nokia**

Proposal: It is proposed that CN4 would decide as a working assumption to apply Liberty ID-WSF in both Rg and Rp reference point definition in TS 29.240. This decision can be changed of course if unresolvable legal problems are found between Liberty Alliance Project and 3GPP.

Discussion: Nokia: Based on "working assumption in 3GPP" we would like to continue the work using Liberty ID-WSF in both Rg and Rp reference point definition in TS 29.240.

Status: **Principle agreed**

N4-040126 **Guidelines for creation of XML Schemas; Nokia**

Discussion:

Status: **Noted**

N4-040208 **General Guidelines, Profile Schema.; Lucent**

Discussion:

Lucent: Nokia contributions do not tell where the profile components are stored. We need to have generic solution which make it easy for operators and network manufactures to understand what profile components are and how they are related to each others, like physical storage, access control and billing.

Lucent: Compares this contribution to Nokia's N4-040126 this is more elegant approach that can full fill stage 2 requirements.

Status: **Revised toN4-040296**

N4-040296 **General Guidelines, Profile Schema.; Lucent**

Discussion:

Status: **postponed to CN4#23**

N4-040210 **XSquirrel overview; Lucent**

Discussion:

Status: **Noted**

N4-040297 **GUP Report; Lucent**

Discussion: After discussion CN4 agreed about GUP interfaces working assumptions:

- The CN4 working assumption for the GUP interfaces is based on Nokia's contribution (N4-040125).The interfaces will be defined by referencing the relevant Liberty Alliance specifications, with some 3GPP GUP specific enhancements when needed.
- The CN4 working assumption for the component model is based on Lucent contribution (N4-040208). There exists a GUP schema for the generic user profile. Components are defined as navigation paths over this schema. The working name for the navigation language used to define components is GUP Component Language (aka GCL).
- The GCL language shall be used for the various GUP procedures (e.g. query, update, subscribe). The exact details of GCL are left for further study.

These decisions were agreed by all the manufactures.

Status: **Agreed by CN4**

N4-040294 **TS 29.240 0.2.0; Editor**

Discussion:

Status: **Agreed by CN4**

6.3 Presence

N4-040042 **Reply to LS on Clarification on Presence Service Matters (S1-031072;N4-031062); SA1**

Discussion: No impacts on Camel specification. The changes are covered by CR on 23.003.

Status: **NOTED.**

N4-040044 **LS Response on Presence Service Matters; SA2**

Discussion: The answers are covered in CR.

Status: **NOTED.**

N4-040088 **Introduction of Presence Stage 3 (Ph, Pc and Pg) to the MAP interface; Lucent**

CR: **29.002-701r2**

Discussion: Siemens: CR is needed for 23.003 to cover sub-system number changes. 23.003 changes will be done in section 8.2.

Nokia: New subsystem ID number is not needed. SCP should know if message is used for presence or Camel services.

Status: **Revised to N4-040249**

⇓REVISED ⇓

N4-040249 **Introduction of Presence Stage 3 (Ph, Pc and Pg) to the MAP interface; Lucent**

CR: **29.002-701r3**

Discussion:

Status: **Agreed**

N4-040250 **Introduction of Presence Stage 3 (Ph, Pc and Pg) to the MAP interface; Lucent**

CR: **23.003-087**

Discussion:

Status: **Agreed**

6.4 Subscriber data handling for the IMS

N4-040119 **Organisation of the Cx and Sh specifications; Nokia**

Discussion: Propose to combine 29.228 & 29.229 for one Cx specification as well as 29.328 & 29.329 for one Sh-specification.

Nortel supports to make 29.229 and 29.329 prefer more generic than merge the specification as proposed.

Status: **Noted**

N4-040118 **Control of the 3GPP specific Diameter codes; Nokia**

Proposal: Nokia proposes that there will be a dedicated TS to control the allocation of the 3GPP specific Diameter codes in release 6 and onwards. The document should document:

- the AVP codes and the general definitions of the corresponding AVPs,
- the allocation of the command codes within the range 300-313 with a reference to the originator TS of each command's ABNF, and
- the values of the Experimental-Result-Code AVP with their corresponding descriptions.

Nokia proposes also to define the ABNF definitions of the commands in the corresponding Diameter application specific technical specifications. And if the same command is utilised by multiple Diameter applications, one of the TS is named to be the originator of that command. Editors of the specifications that are re-using a Diameter-command are responsible for keeping their specifications in-sync with the originator specification.

Most of the 3GPP specific Diameter applications are specified in the WG CN4, thus the TS could be CN4's responsibility, but this is a matter which has to be agreed with other 3GPP WGs developing Diameter applications.

Discussion: CN chairman: The command codes the range 300-313 was only for Rel-5, but we can treat them as release in depended.

If the same Application identifier is used different interface it should be possible to use same application identifier instead requesting a new one.

Ericsson: The coordination is needed as proposed in three bullet points. The second proposed chapter is not valid if N4-040119 is not agreed.

France Telecom: If we decide to go a one specification the list of application identifier should be added for information.

CN4 agreed principle of proposed document excluding the second paragraph of proposed solution if N4-040119 is not agreed:

- " Nokia proposes also to define the ABNF definitions of the commands in the corresponding Diameter application specific technical specifications. And if the same command is utilised by multiple Diameter applications, one of the TS is named to be the originator of that command. Editors of the specifications that are re-using a Diameter-command are responsible for keeping their specifications in-sync with the originator specification."

Related contribution is expected for the next meeting.

Status: **Principle agreed**

N4-040062 **LS on diameter application Id; SA5**

Discussion: Reply LS to SA5 N4-040263 drafted by Ericsson

Status: **NOTED.**

N4-040263 **LS on diameter application Id from SA5; Ericsson**

Discussion:

Status: **Approved**

N4-040224 **Clarification of uses of SIP URIs for Public User ID; Lucent**

CR: **23.003-086**

Discussion: There are some duplication of information which is already described in stage 2 specification.

CN4 agreed that correct place of proposed changes is in TS 23.003. Coordination with SA2 is needed.

Status: **Revised to N4-040264**

⇓ REVISED ⇓

N4-040264 **Clarification of uses of SIP URIs for Public User ID; Lucent**

CR: **23.003-086r1**

Discussion: Nokia: More time is needed to investigate proposed changes of CR.

Status: **Postponed to CN4#23**

6.4.1 HSS – CSCF (Cx) & SLF - CSCF (Dx) interfaces

N4-040116 **Application version control; Nokia**

CR: **29.229-034**

Discussion: Siemens: New release that doesn't have any functionality doesn't necessary need a new application identifier.

Siemens: If in a new release two command codes are used and only one of these are implemented, the indication is not possible. Original text is correct and should not be removed.

Nortel: There are no needs to change application identifier number in this point.

All the changes in section 6 should be removed.

Status: **Revised to N4-040265**

⇓ REVISED ⇓

N4-040265 **Application version control; Nokia**
CR: **29.229-034r1**
Discussion:
Status: **Withdrawn**

6.4.2 HSS – SIP AS (Sh) interface

N4-040069 **Clarification of the AS Permissions List and its relevance to table 7.6.1; Nortel Networks**
CR: **29.328-043**
Discussion: Table 7.6.1 title should be change as: "AS may be permitted"
Status: **Revised to N4-040344**

⇓REVISED ⇓

N4-040344 **Clarification of the AS Permissions List and its relevance to table 7.6.1; Nortel Networks**
CR: **29.328-043r1**
Discussion:
Status: **Agreed**

N4-040115 **Application version control; Nokia**
CR: **29.329-033**
Discussion:
Status: **Withdrawn**

N4-040120 **Dh interface; Nokia**
CR: **29.328-036**
Discussion: France Telecom: Do we have stage 2 requirements for this change.
Ericsson: Stage 2 covers these requirements.
Status: **Agreed**

6.5 CAMEL phase 4

N4-040159 **Inclusion of Location Information in subscriber-initiated USSD; Ericsson**
CR: **23.078-683**
Discussion: Vodafone: Do we have stage 1 requirements for this proposal?
Ericsson: The higher-level parameters are not specified in stage 1.
Lucent would also like to see requirements for this.
CN2-CN4 joint session decided that requirements are needed before we can deal the CR. Ericsson will provide company contribution to SA1. Requirement will be under USSD or Camel4.
Status: **Postponed**

N4-040160 **Inclusion of Location Information in subscriber-initiated USSD; Ericsson**
CR: **29.002-716**
Discussion:
Status: **Postponed**

N4-040161 **IMEI query by gsmSCF; Ericsson**
Discussion: Ericsson: This gives opportunity for operators to check if the subscriber is in the black list when subscriber has roamed in visitor country.
CN2/CN4 didn't see the feature useful. The operators prefer use existing Check IMEI.
Status: **Noted**

6.6 GPRS

N4-040061 **LS on IP Flow Based Bearer Level Charging; SA2**
Discussion: CRs drafted and will be handled in the meeting.
Status: **Noted**

N4-040237 **Sending IMSI across Gn/Gp interfaces and security implications; SA3**
Discussion: CRs drafted and will be handled in the meeting.
Status: **Noted**

N4-040023 **Provision of S-CDR information to the GGSN; Vodafone**
CR: **29.060-487**
Discussion: Comments will be given by offline and CR will be submitted again to CN4#23.
The principle of CR was agreed.
Status: **Noted**

N4-040103 **Provision of S-CDR information to the GGSN; Vodafone**
CR: **29.060-438r1**
Discussion: If UE pick up PDP context twice. SGSN doesn't know which PDP context have to be deleted.
Status: **Withdrawn**

N4-040233 **Controlling the creation of multiple, concurrent PDP Contexts; Vodafone**
CR: **29.060-465**
Discussion:
Status: **Agreed**

N4-040067 **Enhancement of Recovery IE to reduce number of dangling PDP Contexts; Vodafone**
CR: **29.060-431r2**
Discussion: Ericsson do not believe CR solves the problems.
Nortel: If it could be made possible for a GSN that has deleted contexts to notify the GSN at the other end of a connection that this has occurred, the clean-up of PDP contexts could take place a lot more efficiently than the process currently used (as approved in CR 294r1) which requires an Update PDP Context to be sent for each dangling context.
Ericsson: Would like to hear comments from operator if the proposed solution is accetable.
T-Mobil, Orange and Vodafone support the solution.
Status: **Revised to N4-040316**

⇓ REVISED ⇓

N4-040316 **Enhancement of Recovery IE to reduce number of dangling PDP Contexts; Vodafone**
CR: **29.060-431r3**
Discussion:
Status: **Agreed**

N4-040068 **Enhancement of Recovery IE to reduce number of dangling PDP Contexts; Vodafone**
CR: **23.007-008r2**
Discussion:
Status: **Revised to N4-040317**

⇓ REVISED ⇓

N4-040317 **Enhancement of Recovery IE to reduce number of dangling PDP Contexts; Vodafone**

CR: **23.007-008r3**
Discussion:
Status: **Agreed**

N4-040087 **Clarification in the definition of the QoS Profile IE encoding; Vodafone**
CR: **29.060-481**
Discussion: Ericsson: The proposed corrections do not clarify text.

Status: **Revised to N4-040311**

⇓ REVISED ⇓

N4-040311 **Clarification in the definition of the QoS Profile IE encoding; Vodafone**
CR: **29.060-481r1**
Discussion:
Status: **Revised to N4-040319**

⇓ REVISED ⇓

N4-040319 **Clarification in the definition of the QoS Profile IE encoding; Vodafone**
CR: **29.060-481r2**
Discussion:
Status: **Agreed**

N4-040092 **PDCP and GTP-U sequence numbers received in the PDP Context information element inside SGSN Context Response message; Siemens**
CR: **29.060-482**
Discussion: CN4 meeting decided that corrections should be R99 onwards
Status: **Revised to N4-040312**

⇓ REVISED ⇓

N4-040312 **PDCP and GTP-U sequence numbers received in the PDP Context information element inside SGSN Context Response message; Siemens**
CR: **29.060-482 Rel-6**
Discussion: Rel-6 mirror CR of N4-04315
Status: **Agreed**

N4-040313 **PDCP and GTP-U sequence numbers received in the PDP Context information element inside SGSN Context Response message; Siemens**
CR: **29.060-489 Rel-5**
Discussion: Rel-5 mirror CR of N4-04315
Status: **Agreed**

N4-040314 **PDCP and GTP-U sequence numbers received in the PDP Context information element inside SGSN Context Response message; Siemens**
CR: **29.060-490 Rel-4**
Discussion: Rel-4 mirror CR of N4-04315
Status: **Agreed**

N4-040315 **PDCP and GTP-U sequence numbers received in the PDP Context information element inside SGSN Context Response message; Siemens**
CR: **29.060-491 R99**

Discussion:
Status: **Agreed**

N4-040139 **Robust authentication during Attach and RAU; Vodafone**
CR: **29.060-455r2**
Discussion: This CR is not necessary solve the problem, but it's optimise signalling in the network.
CN4 didn't agree CR is needed.
Status: **Rejected**

N4-040093 **Correction to length field of the Common Flags IE; Vodafone, NEC**
CR: **29.060-483**
Discussion:
Status: **Agreed**

6.7 Mn Interface protocol

N4-040175 **Mn Interface Procedures; Ericsson.**
Discussion: Nokia: Does Ericsson believes specificationis complete?
Ericsson: All the procedures is not included in this table. More clarification is needed in the future at 29.332.
Nortel: Some of the "not defined" should be removed and replace with references.
CN4 agreed to incorporate changes in 29.332.
Status: **Agreed**

N4-040251 **3GPP TS 29.332 v 0.4.0; Editor**
Discussion:
Status: **Agreed**

6.8 TRFO/Codec control

N4-040177 **Codec Configuration Info For BSS; Ericsson**
Discussion:
Status: **Withdrawn before discussion**

6.9 MAP specification

N4-040031 **SCCP segmentation for Inter-PLMN MAP messages; Orange**
CR: **29.002-709**
Discussion: Category should be F instead of D.
Status: **Revised to N4-040328**

⇓REVISED⇓

N4-040328 **SCCP segmentation for Inter-PLMN MAP messages; Orange**
CR: **29.002-709r1**
Discussion:
Status: **Agreed without presentation**

N4-040147 **Enhancements to SRI for LCS; Nortel Networks**
CR: **29.002-715**
Discussion: SA2 might have some disagreement to use this approach. No version upgrade of a new message should be introduced.

Status: **Withdrawn**

N4-040171 **CR implemented by fault; Ericsson**
CR: **29.002-721**
Discussion:
Status: **Agreed**

6.10 Location services

N4-040055 **Service Identity in the MO-LR procedure; SA2**
Discussion: Reply LS to SA2: CN4 work can be done in Rel-6 time frame.
Status: **Noted**

N4-040323 **Reply LS LS on Service Identity in the MO-LR Procedure; Huawei**
Discussion: Reply LS to SA2: CN4 work can be done in Rel-6 time frame.
Status: **Approved**

N4-040195 **Robust authentication during Attach and RAU; Huawei**
CR: **24.080-033**
Discussion: Ericsson: We should have a link CR in 24.030 and with SA2 CR.
NEC: CR might have impacts for terminals, which should be mention in cover sheet.
NEC: SO we need Class mark enhancement to CR 24.008.
Status: **Revised to N4-040320**

⇓ REVISED ⇓

N4-040320 **Robust authentication during Attach and RAU; Huawei**
CR: **24.080-033r1**
Discussion: CR is technically correct, but SA2 CRs have to be agreed before CR can be implemented.
Status: **Agreed**

N4-040321 **Robust authentication during Attach and RAU; Huawei**
CR: **24.030-016**
Discussion:
Status: **Agreed**

N4-040196 **Robust authentication during Attach and RAU; Huawei**
CR: **29.002-725**
Discussion:
Status: **Revised to N4-040322**

⇓ REVISED ⇓

N4-040322 **Robust authentication during Attach and RAU; Huawei**
CR: **29.002-725r1**
Discussion:
Status: **Agreed**

N4-040182 **Removal of R-GMLC Address; Nokia**
CR: **29.002-724**
Discussion:

Status: **Agreed**

N4-040197 **Removal of R-GMLC Address; Nokia**
CR: **24.030-015**
Discussion:
Status: **Agreed**

N4-040198 **Removal of R-GMLC Address; Nokia**
CR: **24.080-034**
Discussion:
Status: **Agreed**

N4-040261 **Addition of mapping rules between MAP and SS for LCS operations; NTT DoCoMo**
CR: **29.010-096**
Discussion: Mapping table was accepted by the meeting.
Ericsson: Missing tables should be added.
Ericsson & Nokia: System failure should be used for unknown subscriber.
ss-subscriptionViolation for unknown subscriber would not be accepted by meeting.
NTT DoCoMo proposed this change only from Rel-6 onwards.
Companies couldn't accept the error code.
After discussion NTT DoCoMo withdrawn proposal and investigate unknown subscriber issue.
Status: **Withdrawn**

6.11 MBMS

N4-040065 **Identifying support of MBMS on GSNs; Nortel Networks**
Status: **Noted**

N4-040085 **Introducing MBMS in GTP; Lucent**
Status: **Noted**

N4-040158 **Backward Compatibility issue on MBMS; Fujitsu, NTT DoCoMo**
Status: **Withdrawn**

Discussion of N4-040065 & N4-040085 & N4-040158:

Three different proposals:

1. To introduce new Extension header by Nortel Networks

2. To reuse the Common Flag IE by Fujitsu & NTT DoCoMo

3. To upgrade GTP version by Lucent Technologies

- Ericsson: Could this be a problem if we do not save information on Extension header proposal?
- Ericsson: Are we using the right messages? Could we use Echo request message?
  - Nortel: Using echo request message we don't get any additional information
- Lucent: Mechanism we are dealing in here is only between GGSN and SGSN. It doesn't care what happens RAN.
- Nokia: Why the PDP context message has to be sent in every message?
  - Lucent: If you send it in every message then you have a mechanism, which can quickly recovery in failure situation.
- Vodafone: Common flag mechanism is slightly more extendable.
- If we have to introduce additional functionalities, which solution covers this thing better?
  - There are no big differences between Common flag or extension header solution.

- Nortel, Nokia, Ericsson and Lucent support Extension header proposal
- NEC, Fujitsu, NTT DoCoMo would like to see a problem solved by Common Flag proposal.
- NTT DoCoMo would like to solve the problem in this meeting.
- Chairman: Who can't accept if we choose Extension header solution:
  - Fujitsu can't accept the extension header solution
- Chairman: Who can't accept if we choose Common Flag solution?
  - Nortel Networks can accept Common Flag solution in this meeting.
- NTT DoCoMo and Fujitsu: We want to fix this problem and we would like to withdraw our proposal and accept to use of Extension Header.
- Meeting agreed to use extension solution provide by Lucent N4-040085.

N4-040066 **Indication of support of MBMS by SGSNs and GGSNs; Nortel Networks**
CR: **29.060-479**
Discussion:
Status: **Withdrawn**

N4-040086 **Introduction of the MBMS Support Indication extension header; Lucent**
CR: **29.060-480**
Discussion:
Status: **Revised to N4-040255**

⇓ REVISED ⇓

N4-040255 **Introduction of the MBMS Support Indication extension header; Lucent**
CR: **29.060-480r1**
Discussion:
Status: **Agreed**

N4-040155 **Change to the definition of GTP Tunnel for MBMS; Fujitsu**
CR: **29.060-484**
Discussion:
Status: **Agreed**

N4-040156 **Removal of the GGSN address for Control Plane in the Delete MBMS Context Request; Fujitsu**
CR: **29.060-485**
Discussion:
Status: **Agreed**

N4-040157 **Support of Inter-SGSN RA update for MBMS; Fujitsu**
CR: **29.060-486**
Discussion: Nokia: MBMS UE Context should be optional instead of conditional; otherwise we have to start to work with a new GTP version 2.
New information element shall be optional on protocol level.
NEC: The most of the information is already in the PDP context IE.
Status: **Postponed to CN4#23**

N4-040158 **Backward Compatibility issue on MBMS; Fujitsu, NTT DoCoMo**
CR: **29.060-487**
Discussion:
Status: **Withdrawn**

6.12 Subscriber and Equipment Trace

No contributions on this meetings

6.13 Subscriber Certificate

N4-040109 **Ensuring GAA work remains with the scope of intended requirements, Nortel Networks**

Discussion: Nokia: 33.109 has divided for 4 different specifications. The correct specification should be 33.220.
Nokia: Based on requirements of stage 2 specification this document is not needed.
Nokia believes the changes should be done in SA3.
Nortel: SA3 has made this wrong-based stage 1 requirement.
Nortel and Siemens: CN4 could send LS to SA3 to get some clarification and requirements
LS N4-040252 to SA3.

Status: **Noted**

N4-040252 **LS on Requirements for transfer of GAA-User-Profile, Nortel Networks**

Discussion: Nokia and Lucent do not share concerns of Nortel with this LS.

Status: **Revised to N4-040352**

⇓REVISED⇓

N4-040352 **LS on Requirements for transfer of GAA-User-Profile, Nortel Networks**

Discussion: Nokia and Lucent do not share

Status: **Agreed**

⇓REVISED⇓

N4-040140 **Bootstrapping information push in Zn interface, Nokia**

Discussion: Nokia: Discussion was postponed in SA3 that mean CN4 have to postponed discussion to the next meeting.

Status: **Postponed to CN4#23**

N4-040141 **TS 29.109: Specification relationship figure update, Nokia**

Discussion: Lucent: 33.221 should be part of this protocol specification.
Meeting didn't see reason to add 33.221on table.
CN4: Proposed changes will be added on next version of 29.109.

Status: **Agreed**

N4-040142 **TS 29.109: Clarification of the optional AVP concept, Nokia**

Discussion: Siemens: We need to have a new application for this. There are AVPs which are mandatory and which aren't. In this situation we can't reuse these.
Nokia: The reason of use Cx command code is not the best way to do this, but it's the faster way.

Status: **Postponed to CN4#23**

N4-040253 **TS 29.109 v 0.2.0; Editor**

Discussion:

Status: **Agreed**

6.14 Mp-interface protocol

N4-040089 **Proposal for SIP as Mp interface protocol, Convedia**

Discussion: The similar document will be handled in SA2. Scope is a bit different. The SA2 and CN4 contributions are independent.

Lucent: SIP interface is under CN1 control. SIP should be used peer-to-peer connection only.

Ericsson: Decision to have more than one protocol have to be defined in SA2.

Nortel: Stage 2 says Mp-reference point is only for H.248. We can't agree the changes before SA2 has discussed changes in protocol proposed by Convedia.

CN4: Convedia have to go back to SA2 and request if two different protocols can be used in Mp-interface.

Status: **Noted**

6.15 Any other business for Release 6

6.15.1 Access restriction

N4-040060 **NAS/AS issue for Shared Network in connected mode, SA2**

Discussion: Companies are requested to check back at home if CN4 specification have to be updated.

Status: **Noted**

N4-040162 **Inclusion of Access_Restriction_Data parameter; Ericsson**

CR: **23.008-129**

Discussion:

Status: **Agreed**

N4-040163 **Include administrative restriction subscription parameter; Ericsson**

CR: **23.012-014**

Discussion:

Status: **Revised to N4-040283**

⇓ REVISED ⇓

N4-040283 **Include administrative restriction subscription parameter; Ericsson**

CR: **23.012-014r1**

Discussion:

Status: **Agreed without presentation**

N4-040164 **Include administrative restriction subscription parameter; Ericsson**

CR: **23.016-035**

Discussion:

Status: **Agreed**

N4-040165 **Include administrative restriction subscription parameter; Ericsson**

CR: **29.002-717**

Discussion: The problem in this CR that subscriber is allow to make handover from GSM network to UMTS network, even user is not allowed to call in UMTS network.

Vodafone would like to change text as "If the VLR/SGSN supports the Access Restriction feature but does not receive the Access Restriction Data parameter from the HLR, the VLR/SGSN shall assume that the subscriber's profile does not have any restrictions enabled"

Status: **Revised to N4-040284**

⇓ REVISED ⇓

N4-040284 **Include administrative restriction subscription parameter; Ericsson**

CR: **29.002-717r1**

Discussion:
Status: **Agreed**

N4-040154 **Include administrative restriction subscription parameter; Orange**
CR: **29.010-101**
Discussion:
Status: **Revised to N4-040285**

⇓ REVISED ⇓

N4-040285 **Include administrative restriction subscription parameter; Orange**
CR: **29.010-101r1**
Discussion:
Status: **Agreed without presentation**

6.15.2 Automatic Device Detection

N4-040054 **Reply LS to T2 on identifying MMS Enabled devices and MMS Capabilities of those devices, SA2**
Discussion: Reply LS drafted by Ericsson
Status: **Noted**

N4-040345 **LS on identifying MMS Enabled devices and MMS Capabilities of those devices ;Ericsson**
Discussion:
Status: **Revised to N4-040353**

⇓ REVISED ⇓

N4-040353 **LS on identifying MMS Enabled devices and MMS Capabilities of those devices ;Ericsson**
Discussion:
Status: **Approved**

N4-040166 **Modification of IMEISV definition due to ADD function; Ericsson**
CR: **23.008-130**
Discussion: Siemens would like to see all the CR before this one is agreed
Status: **Postponed to CN4#23**

N4-040167 **Addition of IMEISV to Update Location Procedure for ADD function; Ericsson**
CR: **29.002-718**
Discussion: Siemens: Mechanism increase signalling load which is totally unnecessary.

Ericsson: Statically signalling load doesn't increase dramatically.

Siemens: This approach does not full fill requirements from SA1. Requirements tell IMEI should be done as soon as possible.

Ericsson: In this case periodical update is the first possibility to make update.

Siemens: According to SA1 requirements the feature is only for subscribed subscribers, does the CR cover this?

Meeting didn't agree ADD is only for subscribed subscriber.

In the parameter definition part IMEISV have to be changed

Status: **Revised to N4-040286**

⇓ REVISED ⇓

N4-040286 **Addition of IMEISV to Update Location Procedure for ADD function; Ericsson**
CR: **29.002-718r1**
Discussion:
Status: **Revised to N4-040350**

⇓REVISED ⇓

N4-040350 **Addition of IMEISV to Update Location Procedure for ADD function; Ericsson**
CR: **29.002-718r2**
Discussion: Vodafone-D2: IMEISV is not transfer on Gs interface. In this case IMEISV is not present in VLR.

Siemens: We do not feel that there are requirements from SA1. Mechanism could be very much improved.

Siemens: This document increase signalling load in network that is not acceptable.

T-Mobil: We do not see that signalling load will be increased dramatically. CR is acceptable for T-Mobil.

Vodafone-D2 and Siemens would like postponed decision of CR until next meeting.

Lucent: Could Ericsson bring detailed analysis about signalling analysis.

Status: **Postponed to CN4#23**

N4-040280 **Addition of ADD feature; Ericsson**
CR: **23.012-015r1**
Discussion:
Status: **Postponed to CN4#23**

N4-040211 **Automatic Device Detection (ADD) support in Inter-SGSN Routing Area Update procedures; Ericsson**
CR: **29.060-488**
Discussion:
Status: **Postponed to CN4#23**

6.15.3 Camel 4 Scudif

N4-040266 **CAMEL4 SCUDIF notification during active call for prepay; Nokia**
CR: **23.078-688**
Discussion:
Status: **Noted**

N4-040267 **CAMEL4 SCUDIF notification during active call for prepay; Nokia**
CR: **29.002-726r1**
Discussion:
Status: **Agreed**

N4-040268 **CAMEL4 SCUDIF notification during active call for prepay; Nokia**
CR: **29.078-xxx**
Discussion:
Status: **Noted**

7 Release 5 maintenance

7.1 Subscriber data handling for the IMS

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

N4-040026 **Server-Name AVP in RTR; Siemens**
CR: **29.228-075 Rel-5**
Discussion: Nokia: There are no stage 2 requirements to carry SIP URI. This is not an critical correction.
Siemens: This have to be also in Rel-5 otherwise there is backward compatibility problem.
The only purpose of this CR is to introduce S-CSCF Name in a one message where it's missing. The problem is in RTR command.
Status: **Withdrawn**

N4-040027 **Server-Name AVP in RTR; Siemens**
CR: **29.228-076 Rel-6**
Discussion:
Status: **Withdrawn**

N4-040028 **Server-Name AVP in RTR; Siemens**
CR: **29.229-030 Rel-5**
Discussion:
Status: **Withdrawn**

N4-040029 **Clarification on S-CSCF-Name comparism; Siemens**
CR: **29.228-076 Rel-5**
Discussion:
Status: **Revised to N4-040270**

⇓REVISED ⇓

N4-040270 **Clarification on S-CSCF-Name comparism; Siemens**
CR: **29.228-076r1 Rel-5**
Discussion:
Status: **Agreed**

N4-040030 **Clarification on S-CSCF-Name comparism; Siemens**
CR: **29.228-077 Rel-6**
Discussion: This is a Rel-6 mirror CR of 29.228-077
Status: **Revised to N4-040271**

⇓REVISED ⇓

N4-040271 **Clarification on S-CSCF-Name comparism; Siemens**
CR: **29.228-077r1 Rel-6**
Discussion: This is a Rel-6 mirror CR of 29.228-077r1
Status: **Agreed**

N4-040070 **Correct re-use of Diameter Base Protocol defined errors; Nortel Networks**
CR: **29.228-078 Rel-5**
Discussion: Nokia don't see this is an essential correction.

Status: **Withdrawn**

N4-040071 **Correct re-use of Diameter Base Protocol defined errors; Nortel Networks**
CR: **29.228-079 Rel-6**
Discussion:
Status: **Withdrawn**

N4-040072 **Correct re-use of Diameter Base Protocol defined errors; Nortel Networks**
CR: **29.229-031 Rel-5**
Discussion:
Status: **Withdrawn**

N4-040073 **Error for missing identification in SAR command; Nortel Networks**
CR: **29.228-080 Rel-5**
Discussion: Nokia don't see this is an essential correction. You could use e.g. DIAMETER_AVP. We do not see that we will define an individual error codes for all AVPs that are missing.

It would be useful to have indication of error code.

France Telecom: If the CR is not accepted, there should be a mention in Rel-5 that common error code can be used.
Status: **Withdrawn**

N4-040074 **Error for missing identification in SAR command; Nortel Networks**
CR: **29.228-081 Rel-6**
Discussion:
Status: **Agreed**

N4-040075 **Error for missing identification in SAR command; Nortel Networks**
CR: **29.229-032 Rel-5**
Discussion: CR was withdrawn after N4-040073 was not agreed. The corrections will be accepted in Rel-6.
Status: **Withdrawn**

N4-040274 **Error for missing identification in SAR command; Nortel Networks**
CR: **29.229-035 Rel-6**
Discussion:
Status: **Agreed**

N4-040090 **Clarification on Registered and Unregistered Part of the User Profile; Siemens**
CR: **29.228-082 Rel-5**
Discussion: Nokia challenged the CR as an essential correction for Rel-5. S-CSCF have no mechanism to

Siemens: The meaning of the CR is to clarify what is the registered part and unregistered part. The clarification is missing from the specification.
Status: **Revised to N4-040275**

⇓ REVISED ⇓

N4-040275 **Clarification on Registered and Unregistered Part of the User Profile; Siemens**
CR: **29.228-082r1 Rel-5**
Discussion: Nokia object the changes of CR.

The CR is conditionally approved unless super CD (N4-040362) which will be email approval is not accepted.

Nokia wanted to make clear that they might object this CR in plenary.

The CR was conditionally agreed in the meeting.

Status: **After email discussion postponed to CN4#23**

N4-040362 **Clarification on Registered and Unregistered Part of the User Profile; Siemens**
CR: **29.228-082r2 Rel-5**
Discussion: Email discussion super CD.
Never published after email discussion.
Status: **Withdrawn**

N4-040091 **Clarification on Registered and Unregistered Part of the User Profile; Siemens**
CR: **29.228-083 Rel-6**
Discussion: Nokia challenged the CR as an essential correction for Rel-5. S-CSCF have no mechanism to
Siemens: The meaning of the CR is to clarify what is the registered part and unregistered part. The clarification is missing from the specification.
Status: **Revised to N4-040276**

⇓ REVISED ⇓

N4-040276 **Clarification on Registered and Unregistered Part of the User Profile; Siemens**
CR: **29.228-083r1 Rel-6**
Discussion: The CR is conditionally approved unless super CD (N4-040362) which will be email approval is not accepted.
Status: **After email discussion postponed to CN4#23**

N4-040363 **Clarification on Registered and Unregistered Part of the User Profile; Siemens**
CR: **29.228-083r2 Rel-6**
Discussion: Email discussion super CD.
Never published after email discussion.
Status: **Withdrawn**

N4-040107 **Conditions for inclusion of Public Identity in SAR; Nortel Networks**
CR: **29.228-084 Rel-5**
Discussion:
Status: **Revised to N4-040281**

⇓ REVISED ⇓

N4-040281 **Conditions for inclusion of Public Identity in SAR; Nortel Networks**
CR: **29.228-084r1 Rel-5**
Discussion:
Status: **Agreed**

N4-040108 **Conditions for inclusion of Public Identity in SAR; Nortel Networks**
CR: **29.228-085 Rel-5**
Discussion:
Status: **Revised to N4-040288**

⇓ REVISED ⇓

N4-040282 **Conditions for inclusion of Public Identity in SAR; Nortel Networks**
CR: **29.228-085r1 Rel-6**
Discussion:
Status: **Agreed**

N4-040110 **Correction to sending the Charging-Information AVP; Nokia**
CR: **29.228-086 Rel-5**
Discussion: Ericsson: Reason for change does not fit to changes.
Status: **Revised to N4-040342**

⇓ REVISED ⇓

N4-040342 **Correction to sending the Charging-Information AVP; Nokia**
CR: **29.228-086r1 Rel-5**
Discussion:
Status: **Agreed without presentation**

N4-040111 **Correction to sending the Charging-Information AVP; Nokia**
CR: **29.228-087 Rel-6**
Discussion: Rel-6 mirror CR.
Status: **Revised to N4-040342**

⇓ REVISED ⇓

N4-040343 **Correction to sending the Charging-Information AVP; Nokia**
CR: **29.228-087r1 Rel-6**
Discussion: Rel-6 mirror CR.
Status: **Agreed without presentation**

N4-040112 **Correction to User-Authorization-Answer; Nokia**
CR: **29.228-088 Rel-5**
Discussion: Ericsson: We can expect changes only for Rel-6 because the change of name from "S-CSCF Capabilities AVP" to "Server- Capabilities AVP". Ericsson doesn't have strong opinion if other companies can accept the changes in Rel-5.
Lucent and Siemens supported the CR.
Status: **Agreed**

N4-040113 **Correction to User-Authorization-Answer; Nokia**
CR: **29.228-089 Rel-6**
Discussion: Rel-6 mirror CR.
Status: **Agreed**

N4-040272 **Default handling of error cases during IMS registration; France Telecom**
CR: **29.228-090 Rel-5**
Discussion:
Status: **Agreed**

N4-040273 **Default handling of error cases during IMS registration; France Telecom**
CR: **29.228-091 Rel-6**
Discussion: Category F
Status: **Agreed**

7.1.2 HSS – SIP AS (Sh) interface

N4-040076 **Clarification of which Public Identities are downloaded; Nortel Networks**

CR: **29.328-044 Rel-5**
Discussion: Ericsson: We should remove the comparison IMSPublicIdentity and MSISDN.
Status: **Revised to N4-040347**

⇓ REVISED ⇓

N4-040347 **Clarification of which Public Identities are downloaded; Nortel Networks**
CR: **29.328-044r1 Rel-5**
Discussion: Lucent: The CR is not inline with 29.229. The CR for Cx-interface is needed. This is category F.
Status: **Revised to N4-040358**

⇓ REVISED ⇓

N4-040358 **Clarification of which Public Identities are downloaded; Nortel Networks**
CR: **29.328-044r2 Rel-5**
Discussion: This is category F.
Status: **Agreed**

N4-040077 **Clarification of which Public Identities are downloaded; Nortel Networks**
CR: **29.328-045 Rel-6**
Discussion: Ericsson: We should remove the comparison IMSPublicIdentity and MSISDN.
Status: **Revised to N4-040348**

⇓ REVISED ⇓

N4-040348 **Clarification of which Public Identities are downloaded; Nortel Networks**
CR: **29.328-045r1 Rel-6**
Discussion: What is the criteria to select a one MSISDN in section 7.6.x.
Status: **Revised to N4-040359**

⇓ REVISED ⇓

N4-040359 **Clarification of which Public Identities are downloaded; Nortel Networks**
CR: **29.328-045r1 Rel-6**
Discussion: What are the criteria to select a one MSISDN in section 7.6.x?
Status: **Agreed**

N4-040104 **Add MSISDN to set of Data that may be downloaded; Nortel Networks**
CR: **29.329-031 Rel-5**
Discussion:
Status: **Agreed**

N4-040105 **Add MSISDN to set of Data that may be downloaded; Nortel Networks**
CR: **29.329-032 Rel-6**
Discussion:
Status: **Revised to N4-040349**

⇓ REVISED ⇓

N4-040349 **Add MSISDN to set of Data that may be downloaded; Nortel Networks**
CR: **29.329-032r1 Rel-6**
Discussion:
Status: **Revised to N4-040360**

⇓ REVISED ⇓

N4-040360 **Add MSISDN to set of Data that may be downloaded; Nortel Networks**
CR: **29.329-032r2 Rel-6**
Discussion:
Status: **Revised to N4-040364**

⇓ REVISED ⇓

N4-040364 **Add MSISDN to set of Data that may be downloaded; Nortel Networks**
CR: **29.329-032r3 Rel-6**
Discussion:
Status: **Agreed**

7.2 CAMEL phase 4

N4-040186 **Default Basic Service for gsmSCF-initiated calls; Ericsson**
CR: **23.018-136 Rel-5**
Discussion: When an operator has a default basic service value provisioned in HLR which is different from TS11, then gsmSCF-initiated calls for which the HLR can not derive compatibility information, as specified in 3GPP TS 29.007, will fail.
Status: **Revised to N4-040269**

⇓ REVISED ⇓

N4-040269 **Default Basic Service for gsmSCF-initiated calls; Nortel Networks**
CR: **23.018-136r1 Rel-5**
Discussion:
Status: **Agreed**

N4-040187 **Default Basic Service for gsmSCF-initiated calls; Ericsson**
CR: **23.018-137 Rel-6**
Discussion: This is a mirror CR of N4-040269.
Status: **Agreed**

N4-040199 **Discussion of OR Route Permitted Checks; Nortel Networks**
Discussion:
Status: **Noted**

N4-040200 **Enhancements to Route Permitted Procedure; Nortel Networks**
CR: **23.079-028 Rel-5**
Discussion:
Status: **Withdrawn**

N4-040201 **Changes to Route Permitted Procedure; Nortel Networks**
CR: **23.018-138 Rel-5**
Discussion:

Status: **Withdrawn**

N4-040203 **Changes to Route Permitted Procedure; Nortel Networks**
CR: **23.018-139 Rel-5**
Discussion:
Status: **Withdrawn**

7.3 GPRS

No documents in this meeting.

7.4 Bearer Independent Architecture

N4-040083 **Additional requirements for directional tones in BICN; Nortel Networks**
Proposal: Because this problem is particular to Mobile calls, Nortel has raised the issue in CN4 to gain consensus on the existence of the problem from appropriate mobile technology experts. However, it is Nortel's opinion that the solution to these problems (ie the addition of direction to the DTMF and Continuity tones packages) is outside of the scope of CN4.
Discussion: Ericsson: Lawful intercept requirements do not cause changes in current architecture.
Lucent:
Ericsson: There are no reasons to reply P1 tones out of band. Codec do not handle DTMF.
Ericsson: We should be reported that CN4 do not see requirements for this.
Nortel's view is strong and totally opposite. They believe that current architecture should be changed as proposed in discussion paper.
Status: **Noted**

N4-040084 **Draft LS on Tone direction in DTMF generator and Continuity tone packages; Nortel Networks**
Discussion:
Status: **Withdrawn**

N4-040185 **Addition of Package Id for CTM; Nortel Networks**
CR: **29.232-061 Rel-5**
Discussion:
Status: **Agreed**

N4-040225 **Renaming of the Available Codecs List to Iu Supported Codecs List; Siemens**
CR: **23.205-050 Rel-5**
Discussion:
Status: **Revised to N4-040355**

⇓ REVISED ⇓

N4-040355 **Renaming of the Available Codecs List to Iu Supported Codecs List; Siemens**
CR: **23.205-050r1 Rel-5**
Discussion:
Status: **Agreed**

7.5 TrFO/Codec control

N4-040279 **Renaming of the Available Codecs List to Iu Supported Codecs List; Siemens**
CR: **29.010-102r1 Rel-5**
Discussion: Lucent: Select codec and currently use codec Iu has to be added.

Status: **Revised to N4-040303**

⇓REVISED⇓

N4-040303 **Renaming of the Available Codecs List to Iu Supported Codecs List; Siemens**
CR: **29.010-102r2 Rel-5**
Discussion:
Status: **Endorsed by CN4**

N4-040277 **Correction of Inter-MSC SRSN Relocation procedure; Siemens**
CR: **23.153-069r3 Rel-5**
Discussion: Ericsson: Iu supported codec list available codec list shall be taken into account.
Status: **Revised to N4-040304**

⇓REVISED⇓

N4-040304 **Correction of Inter-MSC SRSN Relocation procedure; Siemens**
CR: **23.153-069r4 Rel-5**
Discussion:
Status: **Agreed**

N4-040192 **Correction of Inter-MSC SRSN Relocation procedure; Siemens**
CR: **29.002-669r3 Rel-5**
Discussion:
Status: **Agreed**

N4-040193 **Correction of Inter-MSC SRSN Relocation procedure; Siemens**
CR: **29.002-670r3 Rel-6**
Discussion: Rel-6 mirror CR of N4-040192
Status: **Agreed**

N4-040278 **Codec Modification/ Mid-Call Codec Negotiation after Inter-MSC Relocation; Siemens**
CR: **23.153-068r3 Rel-5**
Discussion:
Status: **Revised to N4-040308**

⇓REVISED⇓

N4-040308 **Codec Modification/ Mid-Call Codec Negotiation after Inter-MSC Relocation; Siemens**
CR: **23.153-068r3 Rel-5**
Discussion:
Status: **Revised to N4-040361**

⇓REVISED⇓

N4-040361 **Codec Modification/ Mid-Call Codec Negotiation after Inter-MSC Relocation; Siemens**
CR: **23.153-068r3 Rel-5**
Discussion:
Status: **Agreed**

N4-040189 **Codec Modification/ Mid-Call Codec Negotiation after Inter-MSC Relocation; Siemens**
CR: **29.002-667r3 Rel-5**

Discussion:
Status: **Revised to N4-040309**

⇓REVISED ⇓

N4-040309 Codec Modification/ Mid-Call Codec Negotiation after Inter-MSC Relocation; Siemens
CR: 29.002-667r4 Rel-5
Discussion:
Status: **Agreed**

N4-040190 Codec Modification/ Mid-Call Codec Negotiation after Inter-MSC Relocation; Siemens
CR: 29.002-668r3 Rel-6
Discussion:
Status: **Revised to N4-040309**

⇓REVISED ⇓

N4-040310 Codec Modification/ Mid-Call Codec Negotiation after Inter-MSC Relocation; Siemens
CR: 29.002-668r4 Rel-6
Discussion:
Status: **Agreed**

7.6 SCUDIF

N4-040024 Incorrect implementation of CR 133; Siemens
CR: 23.018-134 Rel-5
Discussion:
Status: **Agreed**

N4-040025 Incorrect implementation of CR 133; Siemens
CR: 23.018-135 Rel-6
Discussion: This is s mirror CR
Status: **Agreed**

N4-040169 Add new Unvailability cause for SCUDIF; Ericsson
CR: 29.002-719 Rel-5
Discussion:
Status: **Revised to N4-040339**

⇓REVISED ⇓

N4-040339 Add new Unvailability cause for SCUDIF; Ericsson
CR: 29.002-719r1 Rel-5
Discussion:
Status: **Agreed**

N4-040170 Add new Unvailability cause for SCUDIF; Ericsson
CR: 29.002-720 Rel-6
Discussion: This is s mirror CR
Status: **Revised to N4-040340**

⇓ **REVISED** ⇓

N4-040340 **Add new Unvailability cause for SCUDIF; Ericsson**
CR: **29.002-720r1 Rel-6**
Discussion: This is s mirror CR
Status: **Agreed**

7.7 MAP Specification

No documents in this meeting.

7.8 LCS

N4-040033 **Coordination of Positioning Methods between TSG GERAN and TSG RAN; GERAN**
Discussion: No action to CN4
Status: **Noted**

N4-040056 **LS on Routing of Emergency Calls based on Geographical Coordinates; SA2**
Discussion: It was recalled during CN4 #22 that, when first proposed, the original intention had been to make this feature 'release independent' – meaning that it would be defined in R6 in such a way that it could be implemented early.
Reply LS drafted by Nortel; N4-040325
Status: **Noted**

N4-040325 **LS on Routing of Emergency Calls based on Geographical Coordinates; Nortel Networks**
Discussion: Lucent: We have to satisfy regulator's requirements.
NEC; We should send the LS to SA and CN plenary, but last two paragraphs have to be deleted.
Status: **Revised to N4-040354**

⇓ **REVISED** ⇓

N4-040354 **LS on Routing of Emergency Calls based on Geographical Coordinates; Nortel Networks**
Discussion:
Status: **Approved**

N4-040080 **Introduction of North American Interim Location Based Routing of Emergency Call; Nortel Notworks, AWS**
CR: **29.002-712 R99**
Discussion: It's not easy to find backward compatibility solution.
Because of backward compatibility problems CN4 couldn't accept the changes. The discussion will continue on CN4 email list.
Siemens: A one possible solution would be to add na-ESRK-Request to extensionContainer.
LS should be send to CN, SA, SA1 and SA2, that CN4 can't find easy solution to solve a problem and changes aren't necessary needed on R99, Rel-4, Rel-5.
Status: **Postponed to CN4#23**

N4-040081 **Introduction of North American Interim Location Based Routing of Emergency Call; Nortel Networks, AWS**
CR: **29.002-713 Rel-4**
Discussion:
Status: **Postponed to CN4#23**

N4-040082 **Introduction of North American Interim Location Based Routing of Emergency Call; Nortel Networks, AWS**
CR: **29.002-714 Rel-5**
Discussion:
Status: **Postponed to CN4#23**

N4-040226 **Inclusion of UTRAN Positioning Data parameter; Nortel Networks, AWS**
CR: **29.002-710r1 Rel-5**
Discussion: "Position Data" chapter should be named as "GERAN Position Data"
Status: **Revised to N4-040326**

⇓ REVISED ⇓

N4-040326 **Inclusion of UTRAN Positioning Data parameter; Nortel Networks, AWS**
CR: **29.002-710r2 Rel-5**
Discussion:
Status: **Agreed without presentation**

N4-040227 **Inclusion of UTRAN Positioning Data parameter; Nortel Networks, AWS**
CR: **29.002-711r1 Rel-6**
Discussion: Similar changes have to be done as N4-040326.
Status: **Revised to N4-040327**

⇓ REVISED ⇓

N4-040327 **Inclusion of UTRAN Positioning Data parameter; Nortel Networks, AWS**
CR: **29.002-711r2 Rel-6**
Discussion: "Position Data" chapter should be named as "GERAN Position Data"
Status: **Agreed without presentation**

7.9 Any Other Business for Release 5 or earlier

7.9.1 ODB

N4-040143 **ODB Handling for existing PDP contexts; Nokia**
Discussion: Nokia presented the document to get view if operators would like implement this kind of feature.
Status: **Noted**

N4-040292 **ODB Handling for existing PDP contexts; Nokia**
CR: **23.015-005r1 Rel-4**
Discussion: NEC: Do we see this CR as essential correction?
Ericsson: The changes are already covered in 3GPP TS 22.041 sub clause 5.2. Proposed change is duplication.
Vodafone feels this is an essential correction and should be specified in Rel-4.
NTT DoCoMo can accept the change in Rel-6.This is more clarification than essential correction.
CN4 decided this is not an essential correction.
Lucent: Clean up is needed in current text and it can be accepted to Rel-6.
Status: **Rejected**

N4-040293 **ODB Handling for existing PDP contexts; Nokia**
CR: **23.015-006r1 Rel-5**
Discussion:
Status: **Rejected**

N4-040341 **ODB Handling for existing PDP contexts; Nokia**
CR: **23.015-007 Rel-6**
Discussion:
Status: **Postponed to CN4#23**

7.9.2 Handover

N4-040148 **Correction of Inter System Handover cause mapping; Alcatel**
CR: **29.010-097 R99**
Discussion: Nokia: If you don't have special reason to split "time critical relocation in three parts, we would like to see only a one cause code.

- A use of one cause code was agreed by the meeting.

Ericsson: The distance should be always mapped with "Time critical location"

- Alcatel have to check the proposed change.

Status: **Revised to N4-040256**

⇓ REVISED ⇓

N4-040256 **Correction of Inter System Handover cause mapping; Alcatel**
CR: **29.010-097r1 R99**
Discussion:
Status: **Agreed**

N4-040149 **Correction of Inter System Handover cause mapping; Alcatel**
CR: **29.010-098 Rel-4**
Discussion: This is a release 4 mirror of 29.010-097.
Status: **Revised to N4-040257**

⇓ REVISED ⇓

N4-040257 **Correction of Inter System Handover cause mapping; Alcatel**
CR: **29.010-098r1 Rel-4**
Discussion: This is a release 4 mirror of 29.010-097.
Status: **Agreed**

N4-040150 **Correction of Inter System Handover cause mapping; Alcatel**
CR: **29.010-099 Rel-5**
Discussion: This is a release 5 mirror of 29.010-097.
Status: **Revised to N4-040258**

⇓ REVISED ⇓

N4-040258 **Correction of Inter System Handover cause mapping; Alcatel**
CR: **29.010-099r1 Rel-5**
Discussion: This is a release 5 mirror of 29.010-097.
Status: **Agreed**

N4-040151 **Correction of Inter System Handover cause mapping; Alcatel**
CR: **29.010-100 Rel-6**
Discussion: This is a release 6 mirror of 29.010-097.
Status: **Revised to N4-040259**

⇓ REVISED ⇓

N4-040259 **Correction of Inter System Handover cause mapping; Alcatel**
CR: **29.010-100r1 Rel-6**
Discussion: This is a release 6 mirror of 29.010-097.
Status: **Agreed**

N4-040172 **Mapping of Cause Codes; Ericsson**
Discussion: Lucent: Do these RAN cause codes exists?

- Yes, we haven't clarified any new value.

Ericsson: As this is an improvement not a critical correction Rel-5 is the right place for this change even service based handover is introduced in R99.

Siemens: We have some doubts that the correction is not needed.

Siemens: We should ask RAN3 to establish the new cause codes based on proposal's section 3 & 4.

Output LS to RAN3 and GERAN, N4-040260 drafted by Ericsson

Status: **Noted**

N4-040260 **LS onMapping of Cause Codes; Ericsson**
Discussion:
Status: **Approved**

N4-040173 **Change to cause code mappings for Service Based/Load based handover; Ericsson**
CR: **29.010-102 Rel-5**
Discussion:
Status: **Revised to N4-040287**

⇓ REVISED ⇓

N4-040287 **Change to cause code mappings for Service Based/Load based handover; Ericsson**
CR: **29.010-102r1 Rel-5**
Discussion:
Status: **Revised to N4-040356**

⇓ REVISED ⇓

N4-040356 **Change to cause code mappings for Service Based/Load based handover; Ericsson**
CR: **29.010-102r2 Rel-5**
Discussion:
Status: **Agreed**

N4-040174 **Change to cause code mappings for Service Based/Load based handover; Ericsson**
CR: **29.010-103 Rel-6**
Discussion: This is a release 6 mirror of 29.010-102.
Status: **Postponed to CN4#23**

⇓ **REVISED** ⇓

N4-040288 **Change to cause code mappings for Service Based/Load based handover; Ericsson**
CR: **29.010-103r1 Rel-5**
Discussion: This is a release 6 mirror of 29.010-102.
Status: **Revised toN4-040357**

⇓ **REVISED** ⇓

N4-040357 **Change to cause code mappings for Service Based/Load based handover; Ericsson**
CR: **29.010-103r2 Rel-5**
Discussion: This is a release 6 mirror of 29.010-102.
Status: **Agreed**

N4-040260 **LS on mapping of cause codes for no radio resources available and for load higher in target cell.; Ericsson**
Discussion:
Status: **Approved**

N4-040244 **Resolution of handover problems not fully resolved by CR78 to 3GPP TS 29.010; Alcatel**
Discussion: Proposed solution:

The non-anchor MSC should forward the ASSIGNMENT FAILURE or the CIPHER MODE REJECT with "relocation triggered" or ASSIGNMENT FAILURE with "directed retry" to the anchor MSC and it will be the responsibility of the anchor MSC to retry the delay procedure (i.e. traffic channel assignment procedure, cipher/security mode). A new timer will be used to wait for an indication (i.e. HANDOVER PERFORMED or LOCATION REPORT) from the non-anchor MSC that the Relocation/HandOver completed successfully. There are two scenarios that can occur:

- (existing functionality) The Intra MSC Relocation/Handover completes successfully on non-anchor MSC and sends a HANDOVER PERFORMED (or LOCATION REPORT) message to the anchor MSC to indicate the Handover has completed. The anchor MSC then retries the delayed scenario towards non-anchor MSC.
- (new functionality) For Directed Retry, the anchor MSC will initiate setting up the ISUP voice path upon receipt of the HANDOVER PERFORMED (or LOCATION REPORT) message from the non-anchor MSC.
- (new functionality) The Intra MSC Relocation/Handover fails and the anchor MSC has a timer expiry awaiting for the HANDOVER PERFORMED (or LOCATION REPORT) message. When this timer expiry occurs, the anchor MSC will attempt the delayed procedure towards non-anchor MSC. For Directed Retry, the resources for the call are released since there is no need to retry the traffic channel assignment procedure towards the non-anchor MSC since the RNC didn't have resources to begin with when the first attempt was made (i.e. directed retry was attempted).

Ericsson: The control or some of the control should be passed to MSC-B instead of MSC-A.

Siemens: The problems who is control a call is not so clear in all cases. The problems has been created in MSC-B internal handover. In some cases MSC-B can decide re-allocation even without information from anchor MSC.

Lucent: The anchor MSC must be provided some indication whether the Relocation/HandOver failed or succeeded in order to retry the delayed procedure towards the non-anchor MSC.

Ericsson: The anchor MSC is not always informed non-anchor MSC internal handover.

Siemens: We would also have different triggers to repeat the procedures with Lucent proposal.

Chairman: Does any other company has a same view as Lucent?

Siemens, Ericsson and Nokia had a different opinion to solve the problem.

Lucent: The problem still exists and Lucent would like to see a proposal to solve a problem.

Chairman: The companies that can't accept Lucent solution should contribute proposal to solve the existing problem in next meeting.

Siemens: Depended of outcome of discussion. It is necessary to readdress CR29.010-078.

Ericsson, Nokia and Siemens had different opinion than Lucent. They agreeg to find a solution of the problem raised by lucent based on the principle that part of control is passed to MSC-B.

Status: **Noted**

N4-040231 **Resolution of handover problems not fully resolved by CR78 to 3GPP TS 29.010; Lucent**
CR: **23.009-103 Rel-5**
Discussion: Lucent withdrawn a CR after N4-040244 discussion.
Status: **Withdrawn**

7.9.3 Optimal Routing

N4-040202 **Correction to mobile-to-mobile OR description; Nortel Networks**
CR: **23.079-029 Rel-5**
Discussion: Siemens: NMP point of view. GMSC send optimal routing query. HLR recognise it's coming from same routing area.

Lucent: The CR is confusing and they can't accept the changes.

Status: **Withdrawn**

8 GSM maintenance

8.1 MAP Specification

N4-040214 **Change to cause code mappings for Service Based/Load based handover; Vodafone,Nokia**
CR: **09.02-A340r1 R98**
Discussion: Lucent: The last sentence of proposed change should be removed and Note 2 in CR N4-040219 should be change as normative text.
Status: **Revised to N4-040329**

⇓REVISED⇓

N4-040329 **Change to cause code mappings for Service Based/Load based handover; Vodafone,Nokia**
CR: **09.02-A340r2 R98**
Discussion: .
Status: **Agreed**

N4-040215 **Change to cause code mappings for Service Based/Load based handover; Vodafone,Nokia**
CR: **29.002-705 r1 R99**
Discussion: Mirror CR of R98
Status: **Revised to N4-040330**

⇓REVISED⇓

N4-040330 **Change to cause code mappings for Service Based/Load based handover; Vodafone,Nokia**
CR: **29.002-705 r2 R99**
Discussion: Category A
Status: **Agreed**

N4-040216 **Change to cause code mappings for Service Based/Load based handover; Vodafone,Nokia**
CR: **29.002-706r1 Rel-4**
Discussion: Category F

Status: **Revised to N4-040331**

⇓REVISED⇓

N4-040331 **Change to cause code mappings for Service Based/Load based handover; Vodafone,Nokia**
CR: **29.002-706r2 Rel-4**
Discussion: Category F
Status: **Agreed**

N4-040217 **Change to cause code mappings for Service Based/Load based handover; Vodafone,Nokia**
CR: **29.002-707r2 Rel-5**
Discussion: Category F
Status: **Revised to N4-040332**

⇓REVISED⇓

N4-040332 **Change to cause code mappings for Service Based/Load based handover; Vodafone,Nokia**
CR: **29.002-707r2 Rel-5**
Discussion: Category F
Status: **Agreed**

N4-040218 **Change to cause code mappings for Service Based/Load based handover; Vodafone,Nokia**
CR: **29.002-708r1 Rel-6**
Discussion:
Status: **Revised to N4-040333**

⇓REVISED⇓

N4-040333 **Change to cause code mappings for Service Based/Load based handover; Vodafone,Nokia**
CR: **29.002-708r2 Rel-6**
Discussion: Category A
Status: **Agreed**

N4-040219 **Correction to SS data for LCS SS; Vodafone,Nokia**
CR: **03.16-A046r1 R98**
Discussion: Note 2 have be a normative text.
Status: **Revised to N4-040334**

⇓REVISED⇓

N4-040334 **Correction to SS data for LCS SS; Vodafone,Nokia**
CR: **03.16-A046r2 R98**
Discussion:
Status: **Agreed**

N4-040220 **Correction to SS data for LCS SS; Vodafone,Nokia**
CR: **23.016-031r1 R99**
Discussion:
Status: **Revised to N4-040335**

⇓REVISED ⇓

N4-040335 **Correction to SS data for LCS SS; Vodafone,Nokia**
CR: **23.016-031r2 R99**
Discussion:
Status: **Agreed**

N4-040221 **Correction to SS data for LCS SS; Vodafone,Nokia**
CR: **23.016-032r1 Rel-4**
Discussion: .
Status: **Revised to N4-040336**

⇓REVISED ⇓

N4-040336 **Correction to SS data for LCS SS; Vodafone,Nokia**
CR: **23.016-032r2 Rel-4**
Discussion: .
Status: **Agreed**

N4-040222 **Correction to SS data for LCS SS; Vodafone,Nokia**
CR: **23.016-033r1 Rel-5**
Discussion: .
Status: **Revised to N4-040337**

⇓REVISED ⇓

N4-040337 **Correction to SS data for LCS SS; Vodafone,Nokia**
CR: **23.016-033r2 Rel-5**
Discussion: .
Status: **Agreed**

N4-040223 **Correction to SS data for LCS SS; Vodafone,Nokia**
CR: **23.016-034r1 Rel-6**
Discussion: .
Status: **Revised to N4-040338**

⇓REVISED ⇓

N4-040338 **Correction to SS data for LCS SS; Vodafone,Nokia**
CR: **23.016-034r1 Rel-6**
Discussion: .
Status: **Agreed**

N4-040301 **Identification of support of LCS; Nortel Networks**
CR: **09.02-A341 R98**
Discussion: Nokia: Vodafone and Nokia proposal is more clarification. This change causes functional changes.
Status: **Reject**

N4-040302 **Identification of support of LCS; Nortel Networks**
CR: **29.002-727 R99**
Discussion:

Status: **Reject**

N4-040305 **Identification of support of LCS; Nortel Networks**
CR: **29.002-728 Rel-4**
Discussion:
Status: **Reject**

N4-040306 **Identification of support of LCS; Nortel Networks**
CR: **29.002-729 Rel-5**
Discussion:
Status: **Reject**

N4-040306 **Identification of support of LCS; Nortel Networks**
CR: **29.002-730 Rel-6**
Discussion:
Status: **Reject**

9 AOB

10 Update of the Work Plan

Chairman updated work Plan after the meeting. The changes will be effected in the new version of the Work Plan that is published before CN#23.

11 Future meetings

NP-040011 **Future meetings; MCC**
Comments: Chairman proposed to have CN4#22bis meeting on IMS Rel-6, WLAN and GUP.
Companies can accept the meeting on Rel-6 topic.
The meeting will be held from 14th to 16th April in Edinburgh, UK.
Ericsson proposed to have GUP discussion on Monday and Tuesday at Edinburgh from 19th to 20th before CN4 has a joint meeting with T2 if meeting can be arrange by EF3.
Status: **NOTED**

Comments: The PCG has decided that in order to reduce cost, there will be a restriction on the amount of MCC support provided to 3GPP working groups.
The plan is to have one MCC supported WG meeting in between each pair of plenary meetings.
Any additional WG meeting will not have the guarantee of MCC support.
Working groups can request exceptional MCC support for additional WG meetings from the PCG (via Stephen Hayes).
There was also support to leave at least 2 weeks between WG meetings and the Plenary.

TITLE	TYPE	DATES	LOCATION	CTRY
CN4#22bis (Rel-6 issues)	WG	14-16 and 19-20 April 2004	Edinburgh	UK
3GPPCN1 - CN4 co-located meetings	WG	10 - 14 May 2004	Zagreb	Croatia
3GPPCN#24	OR	2 - 4 Jun 2004	KOREA	South Korea
3GPPCN1 - CN4 co-located meetings	WG	16 - 20 Aug 2004	Sophia Antipolis	France
3GPPCN#25	OR	8 - 10 Sep 2004	US	USA
3GPPCN1 - CN4 co-located meetings	WG	15 - 19 Nov 2004	Asia??	ASIA???

12 Check of approved output documents

NP-040008 Output documents; Chairman
Comments:
Status: **APPROVED**

13 Closing of the meeting (15:00 Friday)

ANNEX A:OUTPUT MATERIAL

A.1 Liaisons Approved

Tdoc	Tdoc Title	LS to	LS cc	LS Attachment
N4-040243	Reply LS on issues related to SNA Access Information	GERAN	SA2	
N4-040245	Reply LS on call hold requirement for CS multimedia	SA1	SA2, CN1, CN3, T2, SA4	
N4-040247	Reply LS to S3-040187(N4-040240) on use of authentication re-attempt IE	SA3	CN1	
N4-040260	LS on mapping of cause codes for no radio resources available and for load higher in target cell.	RAN3	GERAN	N4-040172
N4-040262	LS on Relationship between 3GPP and Liberty Alliance related to GUP work	CN, SA	SA2. SA3, SA5, T2	
N4-040263	LS (S5-044046) on LS on diameter application Id from SA5	SA5		
N4-040290	LS on WLAN UE identity format and resolution	GSMA IREQ	CN plenary	N4-040289
N4-040323	LS on Service Identity in the MO-LR Procedure	SA2		
N4-040351	LS on the use of GTP for WLAN-GPRS interworking	SA2	CN3	
N4-040352	LS on Requirements for transfer of GAA-User-Profile	SA3		
N4-040353	LS on identifying MMS Enabled devices and MMS Capabilities of those devices	SA2, T2		
N4-040354	LS on Routing of Emergency Calls based on Geographical Coordinates	SA, CN	SA1, SA2	

A.2 New TSs /TRs Approved (to be placed under change control)

TDoc #	Type	Spec	Tdoc Title	N_Versio	Source

A.3 New / Revised Work Items Approved

Tdoc	Tdoc Title	Source	Rel
N4-040324	Work Item Description on Trace Management, stage3, network	Nokia	Rel-6

A.4 Approved CRs

Tdoc	Title	Source	Result
0024	CR 23.018 134 Rel-5; Incorrect implementation of CR 133	Siemens	Agreed
0025	CR 23.018 135 Rel-6; Incorrect implementation of CR 133	Siemens	Agreed
0074	CR 29.228 081 6; Error for missing identification in SAR command	Nortel Networks	Agreed
0093	CR 29.060 483 6; Correction to length field of the Common Flags IE	Vodafone, NEC	Agreed
0104	CR 29.329 031 5; Add MSISDN to set of Data that may be downloaded	Nortel Networks	Agreed
0112	CR 29.228 088 Rel-5; Correction to User-Authorization-Answer	Nokia	Agreed
0113	CR 29.228 089 Rel-6; Correction to User-Authorization-Answer	Nokia	Agreed
0120	CR 29.328 036 Rel-6; Dh interface	Nokia	Agreed
0155	CR 29.060 484 REL-6; Change to the definition of GTP Tunnel for MBMS	Fujitsu	Agreed
0156	CR 29.060 485 REL-6; Removal of the GGSN address for Control Plane in the Delete MBMS Context Request	Fujitsu	Agreed
0162	CR 23.008 129 6; Inclusion of Access_Restriction_Data parameter	Ericsson	Agreed
0164	CR 23.016 035 6; Include administrative restriction subscription parameter	Ericsson	Agreed
0171	CR 29.002 721 6; CR implemented by fault	Ericsson	Agreed
0182	CR 29.002 724 Rel-6; Removal of R-GMLC Address	Nokia	Agreed
0185	CR 29.232 061 5; Addition of Package Id for CTM	Nortel Networks	Agreed
0187	CR 23.018 137 Rel-6; Default Basic Service for gsmSCF-initiated calls	Ericsson	Agreed
0192	CR 29.002 669 5; Correction of Inter-MSC SRSN Relocation procedure	Siemens	Agreed
0193	CR 29.002 670 6; Correction of Inter-MSC SRSN Relocation procedure	Siemens	Agreed
0197	CR 24.030 015 Rel-6; Removal of R-GMLC Address	Nokia	Agreed
0198	CR 24.080 034 Rel-6; Removal of R-GMLC Address	Nokia	Agreed
0233	CR 29.060 465 6; Controlling the creation of multiple, concurrent PDP Contexts	Vodafone	Agreed
0249	CR 29.002 701 6; Introduction of Presence Stage 3 (Ph, Pc and Pg) to the MAP interface	Lucent Technologies	Agreed
0250	CR 23.003 087 Rel 6; Assignment of SSN for Presence Network Agent	Lucent Technologies	Agreed
0255	CR 29.060 480 6; Introduction of the MBMS Support Indication extension header	Lucent Technologies	Agreed
0256	CR 29.010 097 99; Correction of Inter System Handover cause mapping	Alcatel	Agreed
0257	CR 29.010 098 4; Correction of Inter System Handover cause mapping	Alcatel	Agreed
0258	CR 29.010 099 5; Correction of Inter System Handover cause mapping	Alcatel	Agreed

0259	CR 29.010 100 6; Correction of Inter System Handover cause mapping	Alcatel	Agreed
0267	CR 29.002 726 Rel6; CAMEL4 SCUDIF notification during active call for prepay	Nokia	Agreed
0269	CR 23.018 136 Rel-5; Default Basic Service for gsmSCF-initiated calls	Ericsson	Agreed
0270	CR 29.228 076 Rel-5; Clarification on S-CSCF-Name comparism	Siemens	Agreed
0271	CR 29.228 077 Rel-6; Clarification on S-CSCF-Name comparism	Siemens	Agreed
0272	CR 29.228 090 5	France telecom	Agreed
0273	CR 29.228 091 6	France telecom	Agreed
0274	CR 29.229 035 6; Error for missing identification in SAR command	Nortel Networks	Agreed
0275	CR 29.228 082 Rel ; Clarification on Registered and Unregistered Part of the User Profile	Siemens	Agreed
0276	CR 29.228 083 Rel-6; Clarification on Registered and Unregistered Part of the User Profile	Siemens	Agreed
0281	CR 29.228 084 5; Conditions for inclusion of Public Identity in SAR	Nortel Networks	Agreed
0282	CR 29.228 085 6; Conditions for inclusion of Public Identity in SAR	Nortel Networks	Agreed
0283	CR 23.012 014 6; Include administrative restriction subscription parameter	Ericsson	Agreed
0284	CR 29.002 717 6; Include administrative restriction subscription parameter	Ericsson	Agreed
0285	CR 29.010 101 6; Include administrative restriction subscription parameter	Orange	Agreed
0289	CR 23.003 085 Rel-6; Addition of WLAN access identities	Nokia	Agreed
0303	CR 23.009 102 5; Renaming of the Available Codecs List to Iu Supported Codecs List	Siemens	Agreed
0304	CR 23.153 069 5; Correction of Inter-MSC SRSN Relocation procedure	Siemens	Agreed
0309	CR 29.002 667 5; Codec Modification/ Mid-Call Codec Negotiation after Inter-MSC Relocation	Siemens	Agreed
0310	CR 29.002 668 6; Codec Modification/ Mid-Call Codec Negotiation after Inter-MSC Relocation	Siemens	Agreed
0312	CR 29.060 482 6; PDCP and GTP-U sequence numbers received in the PDP Context information element inside SGSN Context Response message.	Siemens	Agreed
0313	CR 29.060 489 6; PDCP and GTP-U sequence numbers received in the PDP Context information element inside SGSN Context Response message.	Siemens	Agreed
0314	CR 29.060 490 6; PDCP and GTP-U sequence numbers received in the PDP Context information element inside SGSN Context Response message.	Siemens	Agreed
0315	CR 29.060 491 6; PDCP and GTP-U sequence numbers received in the PDP Context information element inside SGSN Context Response message.	Siemens	Agreed
0316	CR 29.060 431 6; Enhancement of Recovery IE to reduce number of dangling PDP Contexts	Nortel Networks	Agreed
0317	CR 23.007 008 6; Change of Restart Counter definition for enhanced GTP recovery procedures	Nortel Networks	Agreed
0319	CR 29.060 481 6; Clarification in the definition of the QoS Profile IE encoding	Lucent Technologies	Agreed
0320	CR 24.080 033 6; MO-LR Service Identity support	Huawei	Agreed
0321	CR 24.030 016 6; MO-LR Service Identity support	Huawei	Agreed
0322	CR 29.002 725 6; MO-LR Service Identity support in TS 29.002	Huawei	Agreed

0326	CR 29.002 710 5; Inclusion of UTRAN Positioning Data parameter	Nortel Networks, AWS	Agreed
0327	CR 29.002 711 6; Inclusion of UTRAN Positioning Data parameter	Nortel Networks, AWS	Agreed
0328	CR 29.002 709 6; SCCP segmentation for Inter-PLMN MAP messages	Orange	Agreed
0329	CR 09.02 A340 98; Correction to Insert Subscriber Data message for LCS SS	Vodafone, Nokia	Agreed
0330	CR 29.002 705 99; Correction to Insert Subscriber Data message for LCS SS	Vodafone, Nokia	Agreed
0331	CR 29.002 706 4; Correction to Insert Subscriber Data message for LCS SS	Vodafone, Nokia	Agreed
0332	CR 29.002 707 5; Correction to Insert Subscriber Data message for LCS SS	Vodafone, Nokia	Agreed
0333	CR 29.002 708 6; Correction to Insert Subscriber Data message for LCS SS	Vodafone, Nokia	Agreed
0334	CR 03.16 A46 98; Correction to SS data for LCS SS	Vodafone, Nokia	Agreed
0335	CR 23.016 031 99; Correction to SS data for LCS SS	Vodafone, Nokia	Agreed
0336	CR 23.016 032 4; Correction to SS data for LCS SS	Vodafone, Nokia	Agreed
0337	CR 23.016 033 5; Correction to SS data for LCS SS	Vodafone, Nokia	Agreed
0338	CR 23.016 034 6; Correction to SS data for LCS SS	Vodafone, Nokia	Agreed
0339	CR 29.002 719 5; Add new Unvailability cause for SCUDIF	Ericsson	Agreed
0340	CR 29.002 720 6; Add new Unvailability cause for SCUDIF	Ericsson	Agreed
0342	CR 29.228 086 Rel-5; Correction to sending the Charging-Information AVP	Nokia	Agreed
0343	CR 29.228 087 Rel-6; Correction to sending the Charging-Information AVP	Nokia	Agreed
0344	CR 29.328 043 6; Clarification of the AS Permissions List and its relevance to table 7.6.1	Nortel Networks	Agreed
0355	CR 23.205 050 5; Call waiting, use Modify command for change of flow direction to bothway.	Siemens	Agreed after Email approval
0356	CR 29.010 102 5; Change to cause code mappings for Service Based/Load based handover	Ericsson	Agreed after Email approval
0357	CR 29.010 103 6; Change to cause code mappings for Service Based/Load based handover	Ericsson	Agreed after Email approval
0358	CR 29.328 044 5; Clarification of which Public Identities are downloaded	Nortel Networks	Agreed after Email approval
0359	CR 29.328 045 6; Clarification of which Public Identities are downloaded	Nortel Networks	Agreed after Email approval
0361	CR 23.153 068 5; Codec Modification/ Mid-Call Codec Negotiation after Inter-MSC Relocation	Siemens	Agreed after Email approval
0364	CR 29.329 032 6; Introduction of ‘Identity-Set’ AVP	Nortel Networks	Agreed after Email approval

ANNEX B Tdoc List with Status

TDoc #	Age	Type	Title	Source	WI	CR	R	C	Spec	Rel	Versio	Revision	Conclusion
N4-040001	1	Agenda	Preliminary agenda for CN4 #22	CN4 chairman									Revised to N4-040002
N4-040002	1	Agenda	Detailed agenda & time plan for CN4 #22: status at document deadline	CN4 chairman									Revised to N4-040003
N4-040003	1	Agenda	Detailed agenda & time plan for CN4 #2": status on eve of meeting	CN4 chairman									Agreed
N4-040004	2	DAD	Proposed allocation of documents to agenda items for CN4 #22: status at document deadline	CN4 chairman									Revised to N4-040005
N4-040005	2	DAD	Proposed allocation of documents to agenda items for CN4 #22: status on eve of meeting	CN4 chairman									Agreed
N4-040006		DAD	Proposed allocation of documents to agenda items for joint session with CN2 on CAMEL	CN2/CN4 chairman									Noted
N4-040007	3.2	Report	Summary report from CN #22 & SA #22, Maui, USA	CN4 chairman									Noted
N4-040008	12	Info	List of approved output documents	CN4 chairman									Approved
N4-040009	3.1	Report	CN#21 meeting report, Bangkok	MCC									Approved
N4-040010	10	WID	Work Plan	MCC									Noted
N4-040011	11	Info	Future meetings	MCC									Noted
N4-040012	6.6	CR	Controlling the creation of multiple, concurrent PDP Contexts	Vodafone	TEI_6	465	2	B	29.060	6	6.3.0		Revised to N4-040233
N4-040013	8.1	CR	Correction to Insert Subscriber Data message for LCS SS	Vodafone, Nokia	LCS	A340		F	09.02	98	7.14.0		Revised to N4-040214
N4-040014	8.1	CR	Correction to Insert Subscriber Data message for LCS SS	Vodafone, Nokia	LCS	705		A	29.002	99	3.18.0		Revised to N4-040215
N4-040015	8.1	CR	Correction to Insert Subscriber Data message for LCS SS	Vodafone, Nokia	LCS	706		A	29.002	4	4.13.0		Revised to N4-040216
N4-040016	8.1	CR	Correction to Insert Subscriber Data message for LCS SS	Vodafone, Nokia	LCS	707		A	29.002	5	5.8.0		Revised to N4-040217
N4-040017	8.1	CR	Correction to Insert Subscriber Data message for LCS SS	Vodafone, Nokia	LCS	708		A	29.002	6	6.4.0		Revised to N4-040218
N4-040018	8.1	CR	Correction to SS data for LCS SS	Vodafone	LCS	A46		F	03.16	98	7.6.0		Revised to N4-040219

N4-040019	8.1	CR	Correction to SS data for LCS SS	Vodafone	LCS	031		A	23.016	99	3.9.0		Revised to N4-040220
N4-040020	8.1	CR	Correction to SS data for LCS SS	Vodafone	LCS	032		A	23.016	4	4.3.0		Revised to N4-040221
N4-040021	8.1	CR	Correction to SS data for LCS SS	Vodafone	LCS	033		A	23.016	5	5.2.0		Revised to N4-040222
N4-040022	8.1	CR	Correction to SS data for LCS SS	Vodafone	LCS	034		A	23.016	6	6.0.0		Revised to N4-040223
N4-040023	6.6	CR	Provision of S-CDR information to the GGSN	Vodafone	CH	478		C	29.060	6	6.3.0		Noted
N4-040024	7.6	CR	Incorrect implementation of CR 133	Siemens	SCUDIF	134		F	23.018	Rel-5	5.8.0		Agreed
N4-040025	7.6	CR	Incorrect implementation of CR 133	Siemens	SCUDIF	135		A	23.018	Rel-6	6.1.0		Agreed
N4-040026	7.1.1	CR	Server-Name AVP in RTR	Siemens	IMS	074		F	29.228	Rel-5	5.6.0		Withdrawn
N4-040027	7.1.1	CR	Server-Name AVP in RTR	Siemens	IMS	075		A	29.228	Rel-6	6.1.0		Withdrawn
N4-040028	7.1.1	CR	Server-Name AVP in RTR	Siemens	IMS	030		F	29.229	Rel-5	5.6.0		Withdrawn
N4-040029	7.1.1	CR	Clarification on S-CSCF-Name comparism	Siemens	IMS	076		F	29.228	Rel-5	5.6.0		Revised to N4-040270
N4-040030	7.1.1	CR	Clarification on S-CSCF-Name comparism	Siemens	IMS	077		A	29.228	Rel-6	6.1.0		Revised to N4-040270
N4-040031	6.9	CR	SCCP segmentation for Inter-PLMN MAP messages	Orange	TEI6	709		D	29.002	6	6.4.0		Revised to N4-040328
N4-040032	4	Input LS	Liaison Statement reply to 3GPP SA2 on Comments on ETSI SR 002 180 V0.3.2	OCG EMTEL	Marconi	cc:				Rel-6		EM05td018r1	Noted
N4-040033	4	Input LS	Coordination of Positioning Methods between TSG GERAN and TSG RAN	GERAN	Siemens	cc:				Rel-5		GP-032718	Noted
N4-040034	4	Input LS	LS on issues related to SNA Access Information	GERAN	Nortel Networks	to:				Rel-5		GP-032816	Noted
N4-040035	4	Input LS	LS Reply on “Trace Management”	CN1	Nokia	cc:				Rel-6		N1-031610	Noted
N4-040036	4	Input LS	Management of the "3GPPnetworg.org" domain	CN	France Telecom	cc:				Rel-5		NP-030587	Noted
N4-040037	4	Input LS	LS on DNS domains used on the GRX	GSMA IREG PACKET working party	Vodafone	to:				Rel-5		PACKET Doc 17_006	Noted
N4-040038	4	Input LS	LS on updated WID for GUP	SA1	Ericsson	cc:				Rel-6		SA1-031259	Noted

N4-040039	4	Input LS	LS on modification of the LDR event types (reply to S2-032722)	SA1	Qualcomm	cc:				Rel-5		S1-031275	Noted
N4-040040	4	Input LS	LS on clarified requirements on synchronization for GUP	SA1	Ericsson	cc:				Rel-6		SA1-031278	Noted
N4-040041	4	Input LS	LS on Clarification of the USSD message transfer to SIM/USIM requirement	SA1	Axalto	to:				Rel-6		S1-031294	Noted
N4-040042	4	Input LS	Reply to LS on Clarification on Presence Service Matters (S1-031072;N4-031062)	SA1	NTT DoCoMo	to:				Rel-6		S1-031313	Noted
N4-040043	4	Input LS	Reply LS on USSD message transfer to USIM requirement	SA1	Vodafone	cc:				Rel-6		S1-040105	Noted
N4-040044	4	Input LS	LS on call hold requirement for CS multimedia	SA1	China Mobile	to:				Rel-7		S1-040240	Noted
N4-040045	4	Input LS	LS to CN4 on IETF work on RADIUS enhancements	SA2	intel	to:				Rel-6		S2-033793	Noted
N4-040046	4	Input LS	Reply LS on Clarification for the WLAN D'/Gr' interface standardization	SA2	Orange	to:				Rel-6		S2-033795	Noted
N4-040047	4	Input LS	Reply to EMTEL EM04td014r2 and Comments on ETSI SR 002 180 V0.3.2	SA2	Lucent	cc:				Rel-6		S2-033800	Noted
N4-040048	4	Input LS	Response to LS "Inclusion of IMS Signalling Indicator in S-CDR"	SA2	Telecom Italia	cc:						S2-033802	Noted
N4-040049	4	Input LS	LS Response on Presence Service Matters	SA2	Lucent	to:				Rel-6		S2-033811	Noted
N4-040050	4	Input LS	Reply LS on Hierarchical Structure in GUP Specs	SA2	Nokia	to:				Rel-6		S2-033812	Noted
N4-040051	4	Input LS	LS to report the status of location services standardisation in 3GPP SA2	SA2	Nokia	cc:				Rel-6		S2-034361	Noted
N4-040052	4	Input LS	Reply LS on Hierarchical Structure in GUP Specs	SA2	Nokia	to:				Rel-6		S2-034372	Noted
N4-040053	4	Input LS	LS on Serving network identity from SGSN to GGSN	SA2	Nortel	cc:				R97		S2-034375	Noted
N4-040054	4	Input LS	Reply LS to T2 on identifying MMS Enabled devices and MMS Capabilities of those devices	SA2	Nokia	to				Rel-6		S2-040364	Noted
N4-040055	4	Input LS	Service Identity in the MO-LR procedure	SA2	Huawei	to:				Rel-6		S2-040454	Noted
N4-040056	4	Input LS	LS on Routing of Emergency Calls based on Geographical Coordinates	SA2	Nortel	to:				R99 Rel-4 Rel-5		S2-040456	Noted
N4-040057	4	Input LS	LS on Diameter References in TS 23.234	SA2	AT&T	to:				Rel-6		S2-040464	Noted
N4-040058	4	Input LS	LS on the use of GTP for WLAN-GPRS interworking	SA2	Ericsson	to:				Rel-6		S2-040466	Noted
N4-040059	4	Input LS	LS on MMS WID MM4 Private addressing	SA2	Alcatel	cc:				Rel-6		S2-040470	Noted

N4-040060	4	Input LS	LS on NAS/AS issue for Shared Network in connected mode	SA2	Alcatel	to:				Rel-5		S2-040471	Noted
N4-040061	4	Input LS	LS on IP Flow Based Bearer Level Charging	SA2	Vodafone	to:				Rel-6		S2-040472	Noted
N4-040062	4	Input LS	LS on diameter application Id	SA5	Ericsson	to:				Rel-5		S5-044046	Noted
N4-040063	4	Input LS	LS on Hierarchical Structure in GUP Specs	T2	Sharp	to:				Rel-6		T2-030619	Noted
N4-040064	4	Input LS	T3 reply to LS on Clarification of the USSD message transfer to SIM/USIM requirement	T3	Vodafone	cc:				Rel-6		T3-030929	Noted
N4-040065	6.11	DISC	Identifying support of MBMS on GSNs	Nortel Networks									Noted
N4-040066	6.11	CR	Indication of support of MBMS by SGSNs and GGSNs	Nortel Networks	MBMS	479		F	29.060	6	6.3.0		Withdrawn
N4-040067	6.6	CR	Enhancement of Recovery IE to reduce number of dangling PDP Contexts	Nortel Networks	GTP enhance ments	431	2	C	29.060	6	6.3.0		Revised to N4-040315
N4-040068	6.6	CR	Change of Restart Counter definition for enhanced GTP recovery procedures	Nortel Networks	GTP Enhance ments	008	2	C	23.007	6	5.1.0		Revised to N4-040316
N4-040069	6.4.2	CR	Clarification of the AS Permissions List and its relevance to table 7.6.1	Nortel Networks	TEI6	043		F	29.328	6	6.0.0		Revised to N4-040344
N4-040070	7.1.1	CR	Correct re-use of Diameter Base Protocol defined errors.	Nortel Networks	TEI5	078		F	29.228	5	5.6.0		Withdrawn
N4-040071	7.1.1	CR	Correct re-use of Diameter Base Protocol defined errors.	Nortel Networks	TEI5	079		A	29.228	6	6.1.0		Withdrawn
N4-040072	7.1.1	CR	Correct re-use of Diameter Base Protocol defined errors.	Nortel Networks	TEI5	031		F	29.229	5	5.6.0		Withdrawn
N4-040073	7.1.1	CR	Error for missing identification in SAR command	Nortel Networks	TEI5	080		F	29.228	5	5.6.0		Withdrawn
N4-040074	7.1.1	CR	Error for missing identification in SAR command	Nortel Networks	TEI5	081		F	29.228	6	6.1.0		Agreed
N4-040075	7.1.1	CR	Error for missing identification in SAR command	Nortel Networks	TEI5	032		F	29.229	5	5.6.0		Withdrawn
N4-040076	7.1.2	CR	Clarification of which Public Identities are downloaded	Nortel Networks	TEI5	044		F	29.328	5	5.6.0		Revised to N4-040347
N4-040077	7.1.2	CR	Clarification of which Public Identities are downloaded	Nortel Networks	TEI5	045		C	29.328	6	6.0.0		Revised to N4-040348
N4-040078	7.8	CR	Inclusion of UTRAN Positioning Data parameter	Nortel Networks, AWS	LCS2	710		F	29.002	5	5.8.0		Revised to N4-040226
N4-040079	7.8	CR	Inclusion of UTRAN Positioning Data parameter	Nortel Networks, AWS	LCS2	711		F	29.002	6	6.4.0		Revised to N4-040227

N4-040080	7.8	CR	Introduction of North American Interim Location Based Routing of Emergency Call	Nortel Networks, AWS	LCS	712		F	29.002	99	3.18.0		Postponed
N4-040081	7.8	CR	Introduction of North American Interim Location Based Routing of Emergency Call	Nortel Networks, AWS	LCS	713		A	29.002	4	4.13.0		Postponed
N4-040082	7.8	CR	Introduction of North American Interim Location Based Routing of Emergency Call	Nortel Networks, AWS	LCS	714		A	29.002	5	5.8.0		Postponed
N4-040083	7.4	DISC	Additional requirements for directional tones in BICN	Nortel Networks									Noted
N4-040084	7.4	LS	Draft LS on Tone direction in DTMF generator and Continuity tone packages	Nortel Networks									Withdrawn
N4-040085	6.11	DISC	Introducing MBMS in GTP R6	Lucent Technologies									Noted
N4-040086	6.11	CR	Introduction of the MBMS Support Indication extension header	Lucent Technologies	MBMS	480		B	29.060	6	6.3.0		Revised to N4-040255
N4-040087	6.6	CR	Clarification in the definition of the QoS Profile IE encoding	Lucent Technologies	TEI-6	481		D	29.060	6	6.3.0		Revised to N4-040311
N4-040088	6.3	CR	Introduction of Presence Stage 3 (Ph, Pc and Pg) to the MAP interface	Lucent Technologies	PRESNC	701	2	B	29.002	6	6.4.0		Revised to N4-040249
N4-040089	6.14	DISC	Proposal for SIP as Mp interface protocol	Convedia									Noted
N4-040090	7.1.1	CR	Clarification on Registered and Unregistered Part of the User Profile	Siemens	IMS	082		F	29.228	Rel-5	5.6.0		Revised to N4-040275
N4-040091	7.1.1	CR	Clarification on Registered and Unregistered Part of the User Profile	Siemens	IMS	083		A	29.228	Rel-6	6.1.0		Revised to N4-040276
N4-040092	6.6	CR	PDCP and GTP-U sequence numbers received in the PDP Context information element inside SGSN Context Response message.	Siemens	TEI_6	482		F	29.060	6	6.3.0		Revised to N4-040312
N4-040093	6.6	CR	Correction to length field of the Common Flags IE	Vodafone, NEC	TEI_6	483		F	29.060	6	6.3.0		Agreed
N4-040094	6.1	DISC	Authentication commands in Wx	Ericsson	WLAN				29.234	6	1.1.0		Revised to N4-040228
N4-040095	6.1	DISC	Profile download procedure initiated by the HSS in Wx	Ericsson	WLAN				29.234	6	1.1.0		Revised to N4-040295
N4-040096	6.1	DISC	Cancel registration procedure in Wx by HSS	Ericsson	WLAN				29.234	6	1.1.0		Revised to N4-040298
N4-040097	6.1	DISC	Registration procedure and Profile download in Wx	Ericsson	WLAN				29.234	6	1.1.0		Revised to N4-040229
N4-040098	6.1	DISC	Updates in Wr and Ws reference point names	Ericsson	WLAN				29.234	6	1.1.0		Agreed

N4-040099	6.1	DISC	Diameter based Wa reference point Information Elements Contents	Nokia	WLAN				29.234	6	1.1.0		Postponed to CN4#22bis
N4-040100	6.1	DISC	Wd reference point Information Elements Contents	Nokia	WLAN				29.234	6	1.1.0		Postponed to CN4#22bis
N4-040101	6.1	DISC	Additional Radius Attributes for the Wa interface	Nokia	WLAN				29.234	6	1.1.0		Postponed to CN4#22bis
N4-040102	6.1	DISC	Correction to Signalling flows for Authentication, Authorization & Key Delivery in Appendix A1.1	Nokia	WLAN				29.234	6	1.1.0		Postponed to CN4#22bis
N4-040103	6.6	CR	Introducing IMSI in the Delete PDP Context Request message	LM Ericsson, Vodafone	TEI6	438	1	F	29.060	6	6.3.0		Withdrawn
N4-040104	7.1.2	CR	Add MSISDN to set of Data that may be downloaded	Nortel Networks	TEI	031		F	29.329	5	5.4.1		Agreed
N4-040105	7.1.2	CR	Introduction of 'Identity-Set' AVP	Nortel Networks	TEI	032		C	29.329	6	5.4.1		Revised to N4-040349
N4-040106	6.2	LS	Draft LS on Relationship between 3GPP and Liberty Alliance related to GUP work	Nortel Networks									Revised to N4-040262
N4-040107	7.1.1	CR	Conditions for inclusion of Public Identity in SAR	Nortel Networks	TEI	084		F	29.228	5	5.6.0		Revised to N4-040281
N4-040108	7.1.1	CR	Conditions for inclusion of Public Identity in SAR	Nortel Networks	TEI	085		A	29.228	6	6.1.0		Revised to N4-040282
N4-040109	6.13	Disc	Ensuring GAA work remains with the scope of intended requirements	Nortel Networks									Noted
N4-040110	7.1.1	CR	Correction to sending the Charging-Information AVP	Nokia	IMS-CCR	086		F	29.228	Rel-5	5.6.0		Revised to N4-040342
N4-040111	7.1.1	CR	Correction to sending the Charging-Information AVP	Nokia	IMS-CCR	087		A	29.228	Rel-6	6.1.0		Revised to N4-040343
N4-040112	7.1.1	CR	Correction to User-Authorization-Answer	Nokia	IMS-CCR	088		F	29.228	Rel-5	5.6.0		Agreed
N4-040113	7.1.1	CR	Correction to User-Authorization-Answer	Nokia	IMS-CCR	089		A	29.228	Rel-6	6.1.0		Agreed
N4-040114	7.1.1	CR	Application version control	Nokia	IMS-CCR	033		F	29.229	Rel-5	5.6.0		Withdrawn
N4-040115	6.4.2	CR	Application version control	Nokia	IMS2-CCR	033		C	29.329	Rel-6	5.4.1		Withdrawn
N4-040116	6.4.1	CR	Application version control	Nokia	IMS2-CCR	034		C	29.229	Rel-6	5.6.0		Revised to N4-040265
N4-040117	6.4	DiSC	XML schema versioning	Nokia									Withdrawn
N4-040118	6.15	DISC	Control of the 3GPP specific Diameter codes	Nokia									Principle agreed
N4-040119	6.4	DISC	Organisation of the Cx and Sh specifications	Nokia									Noted

N4-040120	6.4.2	CR	Dh interface	Nokia	IMS2-CCR	036	2	B	29.328	Rel-6	6.0.0		Agreed
N4-040121	6.15	CR	Addition of mapping rules between MAP and SS for LCS operations	NTT DoCOMo	TEI6	096		F	29.010	6	6.1.0		Revised to N4-040232
N4-040122	5	WID	Trace Management, stage 3, network	Nokia	OAM-Trace					Rel-6			Revised to N4-040248
N4-040123	6.1	CR	Addition of WLAN access identities	Nokia	WLAN	085		B	23.003	Rel-6	6.1.0		Revised to N4-040290
N4-040124	6.2	DISC	Summary of Nokia GUP contributions	Nokia	GUP					Rel-6			Noted
N4-040125	6.2	DISC	TS 29.240, GUP Alignment with Liberty ID-WSF	Nokia	GUP					Rel-6			Principle agreed
N4-040126	6.2	DISC	TS 29.240, Guidelines for cration of XML Schemas	Nokia	GUP					Rel-6			Noted
N4-040127	6.2	DISC	TS 29.240, General Guidelines and Namespace Conventions	Nokia	GUP					Rel-6			Postponed to CN4#22bis
N4-040128	6.2	DISC	TS 29.240, Guidelines - Data Referencing	Nokia	GUP					Rel-6			Postponed to CN4#22bis
N4-040129	6.2	DISC	TS 29.240, GUP Data Specific Schemas	Nokia	GUP					Rel-6			Postponed to CN4#22bis
N4-040130	6.2	DISC	TS 29.240, GUP Component Schema Template	Nokia	GUP					Rel-6			Postponed to CN4#22bis
N4-040131	6.2	DISC	TS 29.240, HSS Schema	Nokia	GUP					Rel-6			Agreed
N4-040132	6.2	DISC	TS 29.240, GUP Schemas - GUP Procedure Schema texts	Nokia	GUP					Rel-6			Postponed to CN4#22bis
N4-040133	6.2	DISC	TS 29.240, Rp reference point description improvements	Nokia	GUP					Rel-6			Postponed to CN4#22bis
N4-040134	6.2	DISC	TS 29.240, Resource Id contents	Nokia	GUP					Rel-6			Postponed to CN4#22bis
N4-040135	6.2	DISC	TS 29.240, Authorisation	Nokia	GUP					Rel-6			Postponed to CN4#22bis
N4-040136	6.2	DISC	TS 29.240, Addition of References	Nokia	GUP					Rel-6			Postponed to CN4#22bis
N4-040137	6.2	DISC	TS 29.240, GUP Procedure/Redirect Update	Nokia	GUP					Rel-6			Postponed to CN4#22bis
N4-040138	6.6	DISC	Robust authentication during Attach and RAU	Nokia	TEI6					Rel-6			Withdrawn
N4-040139	6.6	CR	Robust authentication during Attach and RAU	Nokia	TEI6	445	2	F	29.060	Rel-6	6.3.0		Rejected
N4-040140	6.13	DISC	TS 29.109, Bootstrapping information push in Zn interface	Nokia	SEC1-SC					Rel-6			Postponed to CN4#23

N4-040141	6.13	DISC	TS 29.109: Specification relationship figure update	Nokia	SEC1-SC					Rel-6			Agreed
N4-040142	6.13	DISC	TS 29.109: Clarification of the optional AVP concept	Nokia	SEC1-SC					Rel-6			Postponed
N4-040143	7.9	DISC	ODB Handling for existing PDP contexts	Nokia	ODB								Noted
N4-040144	7.9	CR	ODB Handling for existing PDP contexts	Nokia	ODB	005		F	23.015	Rel-4	4.0.1		Revised to N4-040292
N4-040145	7.9	CR	ODB Handling for existing PDP contexts	Nokia	ODB	006		A	23.015	Rel-5	5.0.0		Revised to N4-040292
N4-040146	6.9	Disc	Improving the availability of emergency call dial back number	Nortel Networks									Withdrawn
N4-040147	6.9	CR	Enhancements to SRI for LCS	Nortel Networks	TEI6			C	29.002	6	6.4.0		Postponed
N4-040148	7.9	CR	Correction of Inter System Handover cause mapping	Alcatel	Handover	097		F	29.010	99	3.11.0		Revised to N4-040256
N4-040149	7.9	CR	Correction of Inter System Handover cause mapping	Alcatel	Handover	098		A	29.010	4	4.7.0		Revised to N4-040257
N4-040150	7.9	CR	Correction of Inter System Handover cause mapping	Alcatel	Handover	099		A	29.010	5	5.5.0		Revised to N4-040258
N4-040151	7.9	CR	Correction of Inter System Handover cause mapping	Alcatel	Handover	100		A	29.010	6	6.1.0		Revised to N4-040259
N4-040152	6.1	CR	Either RAIDUS or DIAMETER Wd reference pint	China Mobile, Huawei	WLAN				29.234	Rel-6	1.1.0		Postponed to CN4#22bis
N4-040153	6.1	CR	Analysis on RADIUS fulfilling the requirements for 3GPP-WAN interworking system	China Mobile, Huawei	WLAN				29.234	Rel-6	1.1.0		Postponed to CN4#22bis
N4-040154	6.15	CR	Include administrative restriction subscription parameter	Orange	TEI6	101		B	29.010	6	6.1.0		Revised to N4-040285
N4-040155	6.11	CR	Change to the definition of GTP Tunnel for MBMS	Fujitsu	MBMS	484		F	29.060	REL-6	6.3.0		Agreed
N4-040156	6.11	CR	Removal of the GGSN address for Control Plane in the Delete MBMS Context Request	Fujitsu	MBMS	485		F	29.060	REL-6	6.3.0		Agreed
N4-040157	6.11	CR	Support of Inter-SGSN RA update for MBMS	Fujitsu	MBMS	486		B	29.060	REL-6	6.3.0		Postponed to CN4#23
N4-040158	6.11	CR	Backward Compatibility issue on MBMS	Fujitsu, NTT DoCoMo	MBMS	487		B	29.060	REL--6	6.3.0		Withdrawn
N4-040159 N2-040056	6.5	CR	Inclusion of Location Information in subscriber-initiated USSD	Ericsson	CAMEL4			B	23.078	Rel-6	6.0.0		Postponed
N4-040160 N2-040057	6.5	CR	Inclusion of Location Information in subscriber-initiated USSD	Ericsson	CAMEL4	716		B	29.002	Rel-6	6.4.0		Postponed
N4-040161 N2-040058	6.5	DISC	IMEI query by gsmSCF	Ericsson	CAMEL4								Noted

N4-040162	6.15	CR	Inclusion of Access_Restriction_Data parameter	Ericsson	TEI6	129		B	23.008	6	5.7.0		Agreed
N4-040163	6.15	CR	Include administrative restriction subscription parameter	Ericsson	TEI6	014		B	23.012	6	5.2.0		Revised to N4-040283
N4-040164	6.15	CR	Include administrative restriction subscription parameter	Ericsson	TEI6	035		B	23.016	6	6.0.0		Agreed
N4-040165	6.15	CR	Include administrative restriction subscription parameter	Ericsson	TEI6	717		B	29.002	6	6.4.0		Revised to N4-040284
N4-040166	6.15	CR	Modification of IMEISV definition due to ADD function	Ericsson	TEI6	130		B	23.008	6	5.7.0		Postponed to CN4#23
N4-040167	6.15	CR	Addition of IMEISV to Update Location Procedure for ADD function	Ericsson	TEI6	718		B	29.002	6	6.4.0		Revised to N4-040286
N4-040168	6.15	CR	Addition of ADD feature	Ericsson	TEI6	015		B	23.012	6	5.2.0		Revised to N4-040280
N4-040169	7.6	CR	Add new Unvailability cause for SCUDIF	Ericsson	TEI5	719		F	29.002	5	5.8.0		Revised to N4-040339
N4-040170	7.6	CR	Add new Unvailability cause for SCUDIF	Ericsson	TEI5	720		A	29.002	6	6.4.0		Revised to N4-040340
N4-040171	6.9	CR	CR implemented by fault	Ericsson	TEI6	721		F	29.002	6	6.4.0		Agreed
N4-040172	7.9	DISC	Mapping of Cause Codes	Ericsson									Noted
N4-040173	7.9	CR	Change to cause code mappings for Service Based/Load based handover	Ericsson	TEI5	102		F	29.010	5	5.5.0		Revised to N4-040287
N4-040174	7.9	CR	Change to cause code mappings for Service Based/Load based handover	Ericsson	TEI5	103		A	29.010	6	6.1.0		Revised to N4-040288
N4-040175	6.7	DISC	Mn Interface Procedures	LM Ericsson	IMS-CCR-IWCS								Agreed
N4-040176	7.5	DISC	TrFO Procedures For Inter-System Handover	LM Ericsson	OoBTC								Withdrawn
N4-040177	6.8	DISC	Codec Configuration Info For BSS	LM Ericsson	OoBTC								Withdrawn
N4-040178	7.6	CR	Addition of Long Forwarded To Number 2 to SRI result	Nokia	SCUDIF	722		F	29.002	Rel-5	5.8.0		Withdrawn
N4-040179	7.6	CR	Addition of Long Forwarded To Number 2 to SRI result	Nokia	SCUDIF	723		A	29.002	Rel-6	6.4.0		Withdrawn
N4-040180	7.9	CR	Addition of cause code mapping between RANAP and BSSMAP	Nokia	Handover	104		F	29.010	Rel-5	5.5.0		Withdrawn
N4-040181	7.9	CR	Addition of cause code mapping between RANAP and BSSMAP	Nokia	Handover	105		A	29.010	Rel-6	6.1.0		Withdrawn
N4-040182	6.10	CR	Removal of R-GMLC Address	Nokia	LCS2	724		F	29.002	Rel-6	6.4.0		Agreed

N4-040183	6.2	DISC	TS 29.240, XML Schema Structure	Nokia	GUP					Rel-6			Postponed to CN4#22bis
N4-040184	6.2	DISC	TS 29.240, GUP Procedures Schema	Nokia	GUP					Rel-6			Postponed to CN4#22bis
N4-040185	7.4	CR	Addition of Package Id for CTM	Nortel Networks	TEI5	061		F	29.232	5	5.6.0		Agreed
N4-040186 N2-040050	7.2	CR	Default Basic Service for gsmSCF-initiated calls	Ericsson	CAMEL4	136		F	23.018	Rel-5	5.8.0		Revised to N4-040269
N4-040187	7.2	CR	Default Basic Service for gsmSCF-initiated calls	Ericsson	CAMEL4	137		A	23.018	Rel-6	6.1.0		Agreed
N4-040188	7.5	CR	Codec Modification/ Mid-Call Codec Negotiation after Inter-MSC Relocation	Siemens	OoBTC	068	2	F	23.153	5	5.6.0		Revised to N4-040278
N4-040189	7.5	CR	Codec Modification/ Mid-Call Codec Negotiation after Inter-MSC Relocation	Siemens	OoBTC	667	3	F	29.002	5	5.8.0		Revised to N4-040309
N4-040190	7.5	CR	Codec Modification/ Mid-Call Codec Negotiation after Inter-MSC Relocation	Siemens	OoBTC	668	2	A	29.002	6	6.4.0		Revised to N4-040310
N4-040191	7.5	CR	Correction of Inter-MSC SRSN Relocation procedure	Siemens	OoBTC	069	2	F	23.153	5	5.6.0		Revised to N4-040277
N4-040192	7.5	CR	Correction of Inter-MSC SRSN Relocation procedure	Siemens	OoBTC	669	3	F	29.002	5	5.8.0		Agreed
N4-040193	7.5	CR	Correction of Inter-MSC SRSN Relocation procedure	Siemens	OoBTC	670	2	A	29.002	6	6.4.0		Agreed
N4-040194	7.5	CR	Renaming of the Available Codecs List to Iu Supported Codecs List	Siemens	OoBTC			F	23.009	5			Revised to N4-040279
N4-040195	6.10	CR	MO-LR Service Identity support in TS 24.080	Huawei	LCS2	033		B	24.080	6	6.0.0		Revised to N4-040320
N4-040196	6.10	CR	MO-LR Service Identity support in TS 29.002	Huawei	LCS2	725		B	29.002	6	6.4.0		Revised to N4-040321
N4-040197	6.10	CR	Removal of R-GMLC Address	Nokia	LCS2	015		F	24.030	Rel-6	6.0.0		Agreed
N4-040198	6.10	CR	Removal of R-GMLC Address	Nokia	LCS2	034		F	24.080	Rel-6	6.0.0		Agreed
N4-040199 N2-040051	7.2	DISC	Discussion of OR Route Permitted Checks	Nortel Networks									Noted
N4-040200	7.2	CR	Enhancements to Route Permitted Procedure	Nortel Networks, Ericsson	CAMEL4	028		F	23.079	5	5.4.0		Withdrawn
N4-040201	7.2	CR	Changes to Route Permitted Procedure	Nortel Networks	CAMEL4	138		F	23.018	5	5.8.0		Withdrawn
N4-040202	7.2	CR	Correction to mobile-to-mobile OR description	Nortel Networks	TEI5	029		F	23.079	5	5.4.0		Withdrawn
N4-040203	7.2	CR	Changes to Route Permitted Procedure	Nortel Networks	CAMEL4	139		A	23.018	6	6.1.0		Withdrawn

N4-040204	8.3	CR	CAMEL4 SCUDIF notification during active call for prepay	Nokia	SCCAME L			B	23.018	Rel6	6.1.0		Withdrawn
N4-040205	8.3	CR	CAMEL4 SCUDIF notification during active call for prepay	Nokia	SCCAME L			B	23.078	Rel6	6.0.0		Revised to N4-040266
N4-040206	8.3	CR	CAMEL4 SCUDIF notification during active call for prepay	Nokia	SCCAME L			B	29.002	Rel6	6.4.0		Revised to N4-040267
N4-040207	8.3	CR	CAMEL4 SCUDIF notification during active call for prepay	Nokia	SCCAME L			B	29.078	Rel6	6.0.0		Revised to N4-040268
N4-040208	6.2	Disc	TS 29.240, General Guidelines, Profile Schema.	Lucent Technologi es	GUP								Revised to N4-040296
N4-040209	6.2	Disc	TS 29.240, Main concepts	Lucent Technologi es	GUP								Postponed to CN4#22bis
N4-040210	6.2	Disc	XSquirrel overview	Lucent Technologi es	GUP								Noted
N4-040211	6.15.2	CR	Automatic Device Detection (ADD) support in ISRAU	LM Ericsson	TEI6	488		F	29.060	6	6.3.0		Postponed to CN4#23
N4-040212	6.2	Disc	TS 29.240, Rp/Rg interface	Lucent Technologi es	GUP								Postponed to CN4#22bis
N4-040213	6.1	DISC	Reference to SA3 comparison of Diameter versus Radius Discussion	Nokia	WLAN				29.234	6	1.1.0		Postponed to CN4#22bis
N4-040214	8.1	CR	Correction to Insert Subscriber Data message for LCS SS	Vodafone, Nokia	LCS	A340	1	F	09.02	98	7.14.0	N4-040013	Revised to N4-040329
N4-040215	8.1	CR	Correction to Insert Subscriber Data message for LCS SS	Vodafone, Nokia	LCS	705	1	A	29.002	99	3.18.0	N4-040014	Revised to N4-040330
N4-040216	8.1	CR	Correction to Insert Subscriber Data message for LCS SS	Vodafone, Nokia	LCS	706	1	A	29.002	4	4.13.0	N4-040015	Revised to N4-040331
N4-040217	8.1	CR	Correction to Insert Subscriber Data message for LCS SS	Vodafone, Nokia	LCS	707	1	A	29.002	5	5.8.0	N4-040016	Revised to N4-040332
N4-040218	8.1	CR	Correction to Insert Subscriber Data message for LCS SS	Vodafone, Nokia	LCS	708	1	A	29.002	6	6.4.0	N4-040017	Revised to N4-040333
N4-040219	8.1	CR	Correction to SS data for LCS SS	Vodafone	LCS	A46	1	F	03.16	98	7.6.0	N4-040018	Revised to N4-040334
N4-040220	8.1	CR	Correction to SS data for LCS SS	Vodafone	LCS	031	1	A	23.016	99	3.9.0	N4-040019	Revised to N4-040335
N4-040221	8.1	CR	Correction to SS data for LCS SS	Vodafone	LCS	032	1	A	23.016	4	4.3.0	N4-040020	Revised to N4-040336
N4-040222	8.1	CR	Correction to SS data for LCS SS	Vodafone	LCS	033	1	A	23.016	5	5.2.0	N4-040021	Revised to N4-040337
N4-040223	8.1	CR	Correction to SS data for LCS SS	Vodafone	LCS	034	1	A	23.016	6	6.0.0	N4-040022	Revised to N4-040338
N4-040224	6.4	CR	Clarification of uses of SIP URIs for Public User ID	Lucent Technologi	IMS2	086		F	23.003	6	6.1.0		Revised to N4-040264

				es									
N4-040225	7.4	CR	Call waiting, use Modify command for change of flow direction to bothway.	Siemens	CSSPLIT	050		F	23.205	5	5.6.0		Revised to N4-040355
N4-040226	7.8	CR	Inclusion of UTRAN Positioning Data parameter	Nortel Networks, AWS	LCS2	710	1	F	29.002	5	5.8.0	N4-040078	Revised to N4-040326
N4-040227	7.8	CR	Inclusion of UTRAN Positioning Data parameter	Nortel Networks, AWS	LCS2	711	1	F	29.002	6	6.4.0	N4-040079	Revised to N4-040327
N4-040228	6.1	DISC	Authentication commands in Wx	Ericsson	WLAN				29.234	6	1.1.0	N4-040094	Revised to N4-040291
N4-040229	6.1	DISC	Registration procedure and Profile download in Wx	Ericsson	WLAN				29.234	6	1.1.0	N4-040097	Revised to N4-040299
N4-040230	7.9.2	DISC	Resolution of handover problems not fully resolved by CR78 to 3GPP TS 29.010	Lucent	Handover							N1-040267	Revised to N4-040244
N4-040231	7.9.2	CR	Resolution of handover problems not fully resolved by CR78 to 3GPP TS 29.010	Lucent	Handover	103			23.009	Rel-5	5.7.0	N1-040268	Withdrawn
N4-040232	6.15	CR	Addition of mapping rules between MAP and SS for LCS operations	NTT DoCOMo	TEI6	096	1	F	29.010	6	6.1.0	N4-040121	Revised to N4-040261
N4-040233	6.6	CR	Controlling the creation of multiple, concurrent PDP Contexts	Vodafone	TEI_6	465	3	B	29.060	6	6.3.0	N4-040012	Agreed
N4-040234	4	input LS	LS on RIM routing addressing between GERAN and UTRAN	GERAN	Nortel Networks	to:				Rel-6		GP-040443	postponed
N4-040235	4	input LS	LS on WLAN access parameters to TS 23.003	CN1	Nokia	to:				Rel-6		N4-040201	Noted
N4-040236	4	input LS	Length of Parameter for Service Identity	OMA Location WG	Siemens	to:						OMA-LOC-2003-0273R01	Noted
N4-040237	4	input LS	Sending IMSI across Gn/Gp interfaces and security implications	SA3	Ericsson	to:				Rel-6		S3-040153	Noted
N4-040238	4	input LS	Reply LS on Trace Management	SA5	Nokia	to:				Rel-6		S5-042025	Noted
N4-040239	6.1	Output LS	ReplyLS on the use of GTP for WLAN-GPRS interworking	Nokia	WLAN								Noted
N4-040240	4	input LS	Reply to N4-031152 (S3-030672) on use of authentication re-attempt IE	SA3	BT	to						S3-040187	Noted
N4-040241	4	input LS	Reply LS on WLAN authentication and authorization	SA3	Ericsson	cc:						S3-040195	Noted
N4-040242	4	input LS	LS on GUP security directions	SA3	Nokia	to:						S3-040199	Noted
N4-040243	4	Output LS	Reply: LS on issues related to SNA Access Information (N4-040034)	Nokia									Approved

N4-040244	7.9.2	DISC	Resolution of handover problems not fully resolved by CR78 to 3GPP TS 29.010	Lucent	Handover							N4-040230	Noted
N4-040245	4	Input LS	Reply LS on call hold requirement for CS multimedia	Nortel Networks		to:				Rel-7			Approved
N4-040246	6.2	Disc	Reuse of Liberty in 3GPP	Ericsson, Nokia	GUP								Noted
N4-040247	4	output LS	Reply to on use of authentication re-attempt IE	NEC									Approved
N4-040248	5	WID	Trace Management, stage 3, network	Nokia	OAM-Trace					Rel-6		N4-040122	Revised to N4-040318
N4-040249	6.3	CR	Introduction of Presence Stage 3 (Ph, Pc and Pg) to the MAP interface	Lucent Technologies	PRESNC	701	3	B	29.002	6	6.4.0	N4-040088	Agreed
N4-040250	6.3	CR	Introduction of Presence Stage 3 (Ph, Pc and Pg) to the MAP interface	Lucent Technologies	PRESNC	087			23.003	6	6.1.0		Agreed
N4-040251	6.7	SPEC	29.332 version 0.4.0	Siemens	Mn-Interface								Agreed
N4-040252	6.13	Output LS	LS on Ensuring GAA work remains with the scope of intended requirements	Nortel									Revised to N4-040352
N4-040253	6.13	Spec	TS 29.109 version 0.2.0	Nokia									Agreed
N4-040254	6.1	Output LS	ReplyLS on the use of GTP for WLAN-GPRS interworking	Ericsson	WLAN								Revised to N4-040300
N4-040255	6.11	CR	Introduction of the MBMS Support Indication extension header	Lucent Technologies, Fujitsu LTD,Nortel Networks.	MBMS	480	1	B	29.060	6	6.3.0		Agreed
N4-040256	7.9	CR	Correction of Inter System Handover cause mapping	Alcatel	Handover	097	1	F	29.010	99	3.11.0		Agreed
N4-040257	7.9	CR	Correction of Inter System Handover cause mapping	Alcatel	Handover	098	1	A	29.010	4	4.7.0		Agreed
N4-040258	7.9	CR	Correction of Inter System Handover cause mapping	Alcatel	Handover	099	1	A	29.010	5	5.5.0		Agreed
N4-040259	7.9	CR	Correction of Inter System Handover cause mapping	Alcatel	Handover	100	1	A	29.010	6	6.1.0		Agreed
N4-040260	7.9	Output LS	Output LS onChange to cause code mappings for Service Based/Load based handover	Ericsson									Agreed
N4-040261	6.15	CR	Addition of mapping rules between MAP and SS for LCS operations	NTT DoCOMo	TEI6	096	2	F	29.010	6	6.1.0	N4-040232	Withdrawn
N4-040262	6.2	Output LS	Draft LS on Relationship between 3GPP and Liberty Alliance related to GUP work	Nortel Networks								N4-040106	Approved

N4-040263	6.4	Output LS	LS on diameter application Id	Ericcson									Approved
N4-040264	6.4	CR	Clarification of uses of SIP URIs for Public User ID	Lucent Technologies	IMS2	086	1	F	23.003	6	6.1.0	N4-040224	Postponed to CN4#23
N4-040265	6.4.1	CR	Application version control	Nokia	IMS2-CCR	034	1	C	29.229	Rel-6	5.6.0		Withdrawn
N4-040266	8.3	CR	CAMEL4 SCUDIF notification during active call for prepay	Nokia	SCCAMEL			B	23.078	Rel6	6.0.0	N4-040205	Noted
N4-040267	8.3	CR	CAMEL4 SCUDIF notification during active call for prepay	Nokia	SCCAMEL	726		B	29.002	Rel6	6.4.0	N4-040206	Agreed
N4-040268	8.3	CR	CAMEL4 SCUDIF notification during active call for prepay	Nokia	SCCAMEL			B	29.078	Rel6	6.0.0	N4-040207	Noted
N4-040269	7.2	CR	Default Basic Service for gsmSCF-initiated calls	Ericsson	CAMEL4	136	1	F	23.018	Rel-5	5.8.0	N4-040186	Noted
N4-040270	7.1.1	CR	Clarification on S-CSCF-Name comparism	Siemens	IMS	076	1	F	29.228	Rel-5	5.6.0	N4-040029	Agreed
N4-040271	7.1.1	CR	Clarification on S-CSCF-Name comparism	Siemens	IMS	077	1	A	29.228	Rel-6	6.1.0	N4-040029	Agreed
N4-040272	7.1.1	CR	France Telecom	France Telecom	IMS	090			29.228	Rel-5	5.6.0		Agreed
N4-040273	7.1.1	CR	France Telecom	France Telecom	IMS	090			29.228	Rel-6	6.1.0		Agreed
N4-040274	7.1.1	CR	Error for missing identification in SAR command	Nortel Networks	TEI5	035	1	F	29.229	Rel-6	5.6.0		Agreed
N4-040275	7.1.1	CR	Clarification on Registered and Unregistered Part of the User Profile	Siemens	IMS	082	1	F	29.228	Rel-5	5.6.0	N4-040090	Postponed to CN4#23 after email discussion
N4-040276	7.1.1	CR	Clarification on Registered and Unregistered Part of the User Profile	Siemens	IMS	083	1	A	29.228	Rel-6	6.1.0	N4-040091	Postponed to CN4#23 after email discussion
N4-040277	7.5	CR	Correction of Inter-MSC SRSN Relocation procedure	Siemens	OoBTC	069	3	F	23.153	5	5.6.0	N4-040191	Revised to N4-040304
N4-040278	7.5	CR	Codec Modification/ Mid-Call Codec Negotiation after Inter-MSC Relocation	Siemens	OoBTC	068	3	F	23.153	5	5.6.0		Revised to N4-040308
N4-040279	7.5	CR	Renaming of the Available Codecs List to Iu Supported Codecs List	Siemens	OoBTC		1	F	23.009	5			Revised to N4-040303
N4-040280	6.15	CR	Addition of ADD feature	Ericsson	TEI6	015	1	B	23.012	6	5.2.0		Postponed to CN4#23
N4-040281	7.1.1	CR	Conditions for inclusion of Public Identity in SAR	Nortel Networks	TEI	084	1	F	29.228	5	5.6.0	N4-040107	Agreed
N4-040282	7.1.1	CR	Conditions for inclusion of Public Identity in SAR	Nortel Networks	TEI	085	1	A	29.228	6	6.1.0	N4-040108	Agreed
N4-040283	6.15	CR	Include administrative restriction subscription parameter	Ericsson	TEI6	014	1	B	23.012	6	5.2.0	N4-040163	Agreed

N4-040284	6.15	CR	Include administrative restriction subscription parameter	Ericsson	TEI6	717	1	B	29.002	6	6.4.0	N4-040165	Agreed
N4-040285	6.15	CR	Include administrative restriction subscription parameter	Orange	TEI6	101		B	29.010	6	6.1.0	N4-040154	Agreed
N4-040286	6.15	CR	Addition of IMEISV to Update Location Procedure for ADD function	Ericsson	TEI6	718		B	29.002	6	6.4.0	N4-040167	Revised to N4-040350
N4-040287	7.9	CR	Change to cause code mappings for Service Based/Load based handover	Ericsson	TEI5	102	1	F	29.010	5	5.5.0	N4-040173	Revised to N4-040356
N4-040288	7.9	CR	Change to cause code mappings for Service Based/Load based handover	Ericsson	TEI5	103	1	A	29.010	6	6.1.0	N4-040174	Revised to N4-040357
N4-040289	6.1	CR	Addition of WLAN access identities	Nokia	WLAN	085	1	B	23.003	Rel-6	6.1.0	N4-040123	Agreed
N4-040290	6.1.	Output LS	LS on WLAN UE identity format and resolution	Orange									Agreed
N4-040291	6.1	DISC	Authentication commands in Wx	Ericsson	WLAN				29.234	6	1.1.0	N4-040228	Agreed
N4-040292	7.9	CR	ODB Handling for existing PDP contexts	Nokia	ODB	005	1	F	23.015	Rel-4	4.0.1	N4-040144	Reject
N4-040293	7.9	CR	ODB Handling for existing PDP contexts	Nokia	ODB	006	1	A	23.015	Rel-5	5.0.0	N4-040145	Reject
N4-040294	6.2	TS	29.240 v.0.2.0	Nokia									Agreed
N4-040295	6.1	DISC	Profile download procedure initiated by the HSS in Wx	Ericsson	WLAN				29.234	6	1.1.0	N4-040095	Agreed
N4-040296	6.2	Disc	TS 29.240, General Guidelines, Profile Schema.	Lucent Technologies	GUP								Postponed to CN4#22bis
N4-040297	6.2	INFO	GUP report	Lucent	GUP								Agreed
N4-040298	6.1	DISC	Cancel registration procedure in Wx by HSS	Ericsson	WLAN				29.234	6	1.1.0	N4-040096	Agreed
N4-040299	6.1	DISC	Registration procedure and Profile download in Wx	Ericsson	WLAN				29.234	6	1.1.0	N4-040229	Agreed
N4-040300	6.1	Output LS	ReplyLS on the use of GTP for WLAN-GPRS interworking	Ericsson	WLAN								Revised to N4-040346
N4-040301	8.1	CR	Identification of support of LCS	Nortel Networks	LCS				09.02	R98	7.14.0	7.15.0	Reject
N4-040302	8.1	CR	Identification of support of LCS	Nortel Networks	LCS	727			29.002	R99	3.18.0	3.19.0	Reject
N4-040303	7.5	CR	Renaming of the Available Codecs List to Iu Supported Codecs List	Siemens	OoBTC		2	F	23.009	5		N4-040279	Endorsed by CN4
N4-040304	7.5	CR	Correction of Inter-MSC SRSN Relocation procedure	Siemens	OoBTC	069	3	F	23.153	5	5.6.0	N4-040277	Agreed

N4-040305	8.1	CR	Identification of support of LCS	Nortel Networks	LCS	728			29.002	Rel-4	4.13.0		Reject
N4-040306	8.1	CR	Identification of support of LCS	Nortel Networks	LCS	729			29.002	Rel-5	5.8.0		Reject
N4-040307	8.1	CR	Identification of support of LCS	Nortel Networks	LCS	730			29.002	Rel-6	6.4.0		Reject
N4-040308	7.5	CR	Codec Modification/ Mid-Call Codec Negotiation after Inter-MSC Relocation	Siemens	OoBTC	068	4	F	23.153	5	5.6.0	N4-040278	Revised to N4-040361
N4-040309	7.5	CR	Codec Modification/ Mid-Call Codec Negotiation after Inter-MSC Relocation	Siemens	OoBTC	667	4	F	29.002	5	5.8.0	N4-040189	Agreed
N4-040310	7.5	CR	Codec Modification/ Mid-Call Codec Negotiation after Inter-MSC Relocation	Siemens	OoBTC	668	3	A	29.002	6	6.4.0	N4-040190	Agreed
N4-040311	6.6	CR	Clarification in the definition of the QoS Profile IE encoding	Lucent Technologies	TEI-6	481	1	D	29.060	6	6.3.0	N4-040087	Revised to N4-040319
N4-040312	6.6	CR	PDCP and GTP-U sequence numbers received in the PDP Context information element inside SGSN Context Response message.	Siemens	TEI	482	1	F	29.060	6	6.3.0	N4-040103	Agreed
N4-040313	6.6	CR	PDCP and GTP-U sequence numbers received in the PDP Context information element inside SGSN Context Response message.	Siemens	TEI	482	1	F	29.060	Rel-5	5.8.0		Agreed
N4-040314	6.6	CR	PDCP and GTP-U sequence numbers received in the PDP Context information element inside SGSN Context Response message.	Siemens	TEI	482	1	F	29.060	Rel-4	4.10.0		Agreed
N4-040315	6.6	CR	PDCP and GTP-U sequence numbers received in the PDP Context information element inside SGSN Context Response message.	Siemens	TEI	482	1	F	29.060	R99	3.18.0		Agreed
N4-040316	6.6	CR	Enhancement of Recovery IE to reduce number of dangling PDP Contexts	Nortel Networks	GTP enhancements	431	3	C	29.060	6	6.3.0	N4-040067	Agreed
N4-040317	6.6	CR	Change of Restart Counter definition for enhanced GTP recovery procedures	Nortel Networks	GTP Enhancements	008	3	C	23.007	6	5.1.0	N4-040067	Agreed
N4-040318	5	WID	Trace Management, stage 3, network	Nokia	OAM-Trace					Rel-6			Approved
N4-040319	6.6	CR	Clarification in the definition of the QoS Profile IE encoding	Lucent Technologies	TEI-6	481	1	D	29.060	6	6.3.0	N4-040087	Agreed
N4-040320	6.10	CR	MO-LR Service Identity support in	Huawei	LCS2	033	1	B	24.080	6	6.0.0	N4-040195	Agreed
N4-040321	6.10	CR	MO-LR Service Identity support	Huawei	LCS2	016		B	24.030	6	6.0.0		Agreed
N4-040322	6.10	CR	MO-LR Service Identity support	Huawei	LCS2	725		B	29.002	6	6.4.0	N4-040195	Agreed

N4-040323	6.10	Output LS	Reply LS on Service Identity in the MO-LR procedure	Huawei									Approved
N4-040324	4	Input LS	Issue for checking an SMS interworking agreement procedure with mobile number portability	GSMA IREG	NTT DoCoMo	cc:						IREG Doc 46_052 Rev 1	Postponed to CN4#23
N4-040325	7.8	Output LS	LS on Routing of Emergency Calls based on Geographical Coordinates	Nortel Networks									Revised to N4-040354
N4-040326	7.8	CR	Inclusion of UTRAN Positioning Data parameter	Nortel Networks, AWS	LCS2	710	2	F	29.002	5	5.8.0		Agreed
N4-040327	7.8	CR	Inclusion of UTRAN Positioning Data parameter	Nortel Networks, AWS	LCS2	711	2	F	29.002	6	6.4.0		Agreed
N4-040328	6.9	CR	SCCP segmentation for Inter-PLMN MAP messages	Orange	TEI6	709		D	29.002	6	6.4.0		Agreed
N4-040329	8.1	CR	Correction to Insert Subscriber Data message for LCS SS	Vodafone, Nokia	LCS	A340	2	F	09.02	98	7.14.0	N4-040214	Agreed
N4-040330	8.1	CR	Correction to Insert Subscriber Data message for LCS SS	Vodafone, Nokia	LCS	705	2	A	29.002	99	3.18.0	N4-040215	Agreed
N4-040331	8.1	CR	Correction to Insert Subscriber Data message for LCS SS	Vodafone, Nokia	LCS	706	2	F	29.002	4	4.13.0	N4-040216	Agreed
N4-040332	8.1	CR	Correction to Insert Subscriber Data message for LCS SS	Vodafone, Nokia	LCS	707	2	F	29.002	5	5.8.0	N4-040217	Agreed
N4-040333	8.1	CR	Correction to Insert Subscriber Data message for LCS SS	Vodafone, Nokia	LCS	708	2	F	29.002	6	6.4.0	N4-040218	Agreed
N4-040334	8.1	CR	Correction to SS data for LCS SS	Vodafone	LCS	A46	2	F	03.16	98	7.6.0	N4-040219	Agreed
N4-040335	8.1	CR	Correction to SS data for LCS SS	Vodafone	LCS	031	2	A	23.016	99	3.9.0	N4-040220	Agreed
N4-040336	8.1	CR	Correction to SS data for LCS SS	Vodafone	LCS	032	2	A	23.016	4	4.3.0	N4-040221	Agreed
N4-040337	8.1	CR	Correction to SS data for LCS SS	Vodafone	LCS	033	2	A	23.016	5	5.2.0	N4-040222	Agreed
N4-040338	8.1	CR	Correction to SS data for LCS SS	Vodafone	LCS	034	2	A	23.016	6	6.0.0	N4-040223	Agreed
N4-040339	7.6	CR	Add new Unavailability cause for SCUDIF	Ericsson	TEI5	719	1	F	29.002	5	5.8.0		Agreed
N4-040340	7.6	CR	Add new Unavailability cause for SCUDIF	Ericsson	TEI5	720	1	A	29.002	6	6.4.0		Agreed
N4-040341	7.9	CR	ODB Handling for existing PDP contexts	Nokia	ODB	007		A	23.015	Rel-5	5.0.0		Postponed to N4-040341
N4-040342	7.1.1	CR	Correction to sending the Charging-Information AVP	Nokia	IMS-CCR	086	1	F	29.228	Rel-5	5.6.0		Agreed
N4-040343	7.1.1	CR	Correction to sending the Charging-Information AVP	Nokia	IMS-CCR	087	1	A	29.228	Rel-6	6.1.0		Agreed

N4-040344	6.4.2	CR	Clarification of the AS Permissions List and its relevance to table 7.6.1	Nortel Networks	TEI6	043	1	F	29.328	6	6.0.0		Agreed
N4-040345		Output LS	Reply LS to T2 on identifying MMS Enabled devices and MMS Capabilities of those devices	Ericsson									Revised to N4-040353
N4-040346	6.1	Output LS	ReplyLS on the use of GTP for WLAN-GPRS interworking	Ericsson	WLAN							N4-040300	Revised to N4-040351
N4-040347	7.1.2	CR	Clarification of which Public Identities are downloaded	Nortel Networks	TEI5	044	1	F	29.328	5	5.6.0	N4-040076	Revised to N4-040358
N4-040348	7.1.2	CR	Clarification of which Public Identities are downloaded	Nortel Networks	TEI5	045	1	C	29.328	6	6.0.0	N4-040077	Revised to N4-040359
N4-040349	7.1.2	CR	Introduction of 'Identity-Set' AVP	Nortel Networks	TEI	032	1	C	29.329	6	5.4.1	N4-040105	Revised to N4-040360
N4-040350	6.15	CR	Addition of IMEISV to Update Location Procedure for ADD function	Ericsson	TEI6	718	2	B	29.002	6	6.4.0	N4-040286	Postponed to CN4#23
N4-040351	6.1	Output LS	ReplyLS on the use of GTP for WLAN-GPRS interworking	Ericsson	WLAN							N4-040346	Approved
N4-040352	6.13	Output LS	LS on Ensuring GAA work remains with the scope of intended requirements	Nortel								N4-040252	Approved
N4-040353		Output LS	Reply LS to T2 on identifying MMS Enabled devices and MMS Capabilities of those devices	Ericsson								N4-040345	Approved
N4-040354	7.8	Output LS	LS on Routing of Emergency Calls based on Geographical Coordinates	Nortel Networks								N4-040325	Approved
N4-040355	7.4	CR	Call waiting, use Modify command for change of flow direction to bothway.	Siemens	CSSPLIT	050	1	F	23.205	5	5.6.0	N4-040225	Agreed
N4-040356	7.9	CR	Change to cause code mappings for Service Based/Load based handover	Ericsson	TEI5	102	2	F	29.010	5	5.5.0	N4-040173	Agreed
N4-040357	7.9	CR	Change to cause code mappings for Service Based/Load based handover	Ericsson	TEI5	103	2	A	29.010	6	6.1.0	N4-040174	Agreed
N4-040358	7.1.2	CR	Clarification of which Public Identities are downloaded	Nortel Networks	TEI5	044	2	F	29.328	5	5.6.0	N4-040347	Agreed
N4-040359	7.1.2	CR	Clarification of which Public Identities are downloaded	Nortel Networks	TEI5	045	2	C	29.328	6	6.0.0	N4-040348	Agreed
N4-040360	7.1.2	CR	Introduction of 'Identity-Set' AVP	Nortel Networks	TEI	032	2	C	29.329	6	5.4.1	N4-040349	Revised to N4-040364
N4-040361	7.5	CR	Codec Modification/ Mid-Call Codec Negotiation after Inter-MSC Relocation	Siemens	OoBTC	068	5	F	23.153	5	5.6.0		Agreed
N4-040362	7.1.1	CR	Clarification on Registered and Unregistered Part of the User Profile	Siemens	IMS	082	2	F	29.228	Rel-5	5.6.0		Withdrawn after email discussion
N4-040363	7.1.1	CR	Clarification on Registered and Unregistered Part of the User Profile	Siemens	IMS	083	2	A	29.228	Rel-6	6.1.0		Withdrawn after email discussion
N4-040364	7.1.2	CR	Introduction of 'Identity-Set' AVP	Nortel Networks	TEI	032	3	C	29.329	6	5.4.1	N4-040360	Agreed

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History

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20th March	DRAFT v2.0.0 (with rev marks placed to FTP server)
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