



## Third Generation Partnership Project

Meeting Report v3.0.0  
for  
3GPP TSG CN WG 3  
Meeting #25

Miami, USA  
23<sup>rd</sup> – 27<sup>th</sup> September, 2002.



Hosted by

**NA Friends of 3GPP**

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**Vice Chairman:** None.

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## 1. Opening of the Meeting

The 25<sup>th</sup> CN3 meeting took place from 23<sup>rd</sup> - 27<sup>th</sup> September 2002 in Miami, USA.

The CN3 Chairman Mr. Norbert Klehn, opened the meeting at 09:00 on Monday 23<sup>rd</sup>.

Mr Stephen Hayes welcomed the CN3 delegates to Miami on behalf of the hosts, and explained the logistical details for the rest of the week.

### Objectives for the Meeting:-

?? Complete all outstanding Rel-5 issues

?? Make progress on Rel-6

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## 2 Approval of the agenda

**N3-020750: CN3#25 Draft Meeting Agenda.** Presented by the CN3 Chairman.

**CONTENT:** Contains the draft agenda for CN3#25 Meeting.

**DISCUSSION:** Norbert introduced the agenda and outlined the schedule of the meeting for the rest of the week.

**RESULT:** The Agenda was **APPROVED**.

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## 3 Registration of documents

**N3-020746: Allocation of documents to Agenda items (at tdoc deadline).** Presented by CN3 Chairman.

**CONTENT:** Shows the allocation of meeting documents to agenda items at tdoc deadline.

**DISCUSSION:** Complied on the weekend before the meeting (after the deadline for documents was over).

**RESULT:** The allocation of documents was **NOTED**.

**N3-020747: Allocation of documents to Agenda items for (Start Day 1).**

**RESULT:** The allocation of documents was **NOTED**.

**N3-020748: Allocation of documents to Agenda items for (Start Day 3).**

**RESULT:** The allocation of documents was **NOTED**.

**N3-020749: Allocation of documents to Agenda items (Start Day 4).**

**RESULT:** The allocation of documents was **NOTED**.

**N3-020751: Allocation of documents to Agenda items (Start Day 5).**

**RESULT:** The allocation of documents was **NOTED**.

**N3-020882: Allocation of documents to Agenda items (end Day 5).**

**RESULT:** The allocation of documents was **NOTED**.

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## 4 Reports

### 4.1 Report of last CN3 Meeting

**N3-020754:** **CN3#24 Draft Meeting Report.** Presented by David Boswarthick, MCC.

**CONTENT:** Contains the draft meeting report for the CN3#24 held in Helsinki, Finland.  
The report was completed and distributed at the end of the meeting. There was the usual 2-week deadline for comments by e-mail. These comments have been integrated in the revised meeting report presented in this document.

**RESULT:** The document was **APPROVED**.

### 4.2 Reports from last CN

**N3-020755:** **Draft report from NP#17.** Presented by David Boswarthick of MCC.

**RESULT:** The document was **NOTED**.

**N3-020758:** **Brief notice from CN#17 relevant for CN3.** Presented by CN3 Chair.

**CONTENT:** Short notice to inform you about the results of CN #17 plenary related to CN3 matters:

1. *CN3's status report given in NP-020400 was noted. The meeting report of CN3#24 (Helsinki) by MCC provided in NP-020401 was also noted.*
2. *The LSs sent by CN3 are contained in NP-020402. They were noted.*
3. *CN3's change requests were approved as provided by CN3. The CR in NP-020414 (CR 29.207 on the source address filtering over the Go interface) was approved under the condition that the related SA2 CR will be approved in SA#17.*
4. *The open issues for the Go interface that are listed in NP-020415 and NP-020416 have to be solved in Rel-5.*
5. *CN and SA WGs have received an LS from IETF on Interoperability Issues and SIP in IMS in NP-020393. CN have provided a related LS to SA in NP-020492. These documents are referred to the WGs for consideration. It is expected that SA perform a response to IETF.*
6. *It was again clarified that the Rel-5 is functionally frozen. CAT B and CAT C CRs are not allowed. CAT D CRs are allowed up until TSG#18 (Dec 2002). At that time CN will examine if CN can continue to allow CAT D CRs until March 2003.*
7. *CN1's Work Item Description sheet on Presence in NP-020491 that requires work in CN3 was approved. I would like to remind the delegates that we need new Work Item Description sheets if new functions should be specified for Rel-6. Please, see also CN1's WIDs in NP-020385 on IMS stage 3 enhancements and in NP-020387 on Interoperability and Commonality between IP Multimedia Systems using different "IP-connectivity Networks" and CN4's WID on Media Gateway Control Function (MGCF) - IM Media Gateway (IMS-MGW) Mn Interface in NP-020494 and similar WIDs at SA#17. They also might have impact on CN3's existing WIDs or on future work in CN3, respectively.*

**RESULT:** The document was **NOTED**.

**N3-020799:** **Email on Highlights of CN#17/SA#17 by CN Chair.** Presented by CN3 chair.

**CONTENT:** Short notice of the results of CN #17 plenary related to CN matters:

**RESULT:** The document was **NOTED**.

### 4.3 Reports of other groups

**N3-020756:** Draft report from SA#17. Presented by David Boswarthick of MCC.

**RESULT:** The document was **WITHDRAWN**.

**N3-020757:** Slides from CN#17 to SA#17. Presented by David Boswarthick of MCC.

**RESULT:** The document was **NOTED**.

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## 5 IPR disclosures

The Chairman reminded delegates of the fact that 3GPP Individual Members have the obligation under the IPR Policies of their respective Organizational Partners to inform their respective Organizational Partners of Essential IPRs they become aware of.

The delegates were invited:

- ?? to investigate in their company whether their company does own IPRs which are, or are likely to become Essential in respect of the work of TSG\_CN and the CN working groups
- ?? to notify the Director-General or chairman of their respective Organizational Partners, of all potential IPRs that their company may own, by means of the IPR Statement and the Licensing declaration forms

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## 6 Items for immediate consideration

No documents for this agenda item

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## 7 Received Liaison Statements

**N3-020783** Re. LS on the wildcarding of source IP addresses and port numbers in the PCF for the packet classifier [N1-021757] source CN1. Presented by Thomas Belling of Siemens.

**CONTENT:** Response to N3-020486

SA2 has already answered the LS from CN3 and has proposed a solution in SA2-022045/N1-021539. SA2 is considering that terminals shall use the same 64 bits IPv6 address prefix of the source address for outgoing packets as the prefix of the destination address supplied for incoming packets.

CN1 agrees that the solution proposed by SA2 limits the potential for fraud. However, CN1 has also identified some limitations in the proposed solution:

First, the limitation proposed by SA2 cannot be enforced on non-3GPP hosts (or on 3GPP hosts using non-GPRS access, e.g. WLAN). This means that a non-3GPP host using different 64 bits IPv6 prefixes for the source (i.e. outgoing packets) and destination (i.e. incoming packets) IP addresses would not be able to exchange media with a 3GPP UE.

Additionally there maybe scenarios where different 3GPP UEs share the same 64 bits IPv6 address prefix. This would be for example the case of several UEs behind a mobile router (they all use the 64 bits IPv6 address prefix allocated to the mobile router by the 3GPP network). In this case the 64 bits IPv6 address prefix does not identify a specific UE. So the fraud potential is not completely eliminated (although it is reduced).

CN1 asks CN3 to take into account the above considerations when making a decision on how to specify the source IP address and port numbers in the PCF for the packet classifier.

**DISCUSSION:** Fraud potential cannot be completely eliminated until the IETF provides the means to do so.

**RESULT:** The document was **NOTED**.

**N3-020784 LS on Multiple Codecs [N1-021849], source CN1.**

**CONTENT:** CN3 is asked to clearly state in their document that the authorised bandwidth for a session of a user can always be used at its maximum (during the whole session), and in case it was not used, that was the user's choice.

CN1 would like to clarify the codec agreement procedure during a session setup:

- ~~Re:~~ during the first offer/answer, if both terminals support multiple codecs, there might be no possibility to communicate the preferred codec for the session with the other terminal.
- ~~Re:~~ during the second offer/answer, both terminals have the possibility to reduce the number of codecs used for that session. The result could be only one codec or multiple codecs to be used for the session. If multiple codecs have been agreed to be used for the session, then both terminals are free to switch between the agreed codecs during the session, without any further signalling needed.
- ~~Re:~~ CN1 can confirm that for an IMS session to be set up, at least two offer/answer exchanges are necessary, so that terminals have the possibility to indicate the wish to use one or multiple codecs for the session

In case multiple codecs for the session are agreed, and the codecs have different bandwidth requirement, the PCF will authorise the highest bandwidth. If, during the media session, the codec with the highest bandwidth requirement is used, then the bandwidth authorised for the session is fully used. If one of the terminals switches – for whatever reason – to another codec, then the authorised bandwidth will not be fully used, but the terminal will be always eligible to switch back to the codec with the highest bandwidth requirement and make use again of the full authorised bandwidth.

**DISCUSSION:** Reidar Ericsson [Ericsson] stated that there exists a mechanism to define the ordering of the CODECS as defined by the IETF

Hatef Yamini [H3G] suggested that this LS does not directly impact CN3 as our specifications cater for the highest permissible bandwidth.

Juha Räsänen [Nokia] suggested providing a clarification in our specification.

N3-020836 contains the proposed CR to 29.207 that adds such a clarification.

**RESULT:** The document was **NOTED**.

**N3-020785 Re. LS on "Distribution of IMS Charging ID (ICID) from PCF/P-CSCF to GGSN" [S2-022604], source SA2.** Presented by Ragnar Huslende of Ericsson.

**CONTENT:** Response to SA5's LS that asked whether Ipv4 or Ipv6 addresses should be included in ICID. SA2 responded that they considers it to be a stage 3 issue to decide if the ICID shall also allow encoding of IPv4 addresses.

**DISCUSSION:** Hans Ronneke [Ericsson] stated that IPV6 addresses need to be coded in the ISIM. SA5 have presently specified both IPv4 and IPv6 and CN3 agrees with this.

Hans proposed a response LS to SA5 [N3-020837] explaining that CN3 think both codings are required.

***However following discussion with SA2 delegates, it was confirmed that only IPv6 is required for the ICID. The proposed LS was therefore withdrawn.***

**RESULT:** The document was **NOTED**.

**N3-020837 Re. LS on "Distribution of IMS Charging ID (ICID) from PCF/P-CSCF to GGSN" [S2-022604], source SA2.** Presented by Hans Ronneke of Ericsson.

**RESULT:** The document was **WITHDRAWN**.

**N3-020786** **LS on CS data services for GERAN lu-mode [S2-022625], source SA2.** Presented by Norbert, CN3 chair.

**CONTENT:** S2 accepts CN3's proposal to select:  
- option 1 for transparent CS data services and  
- option 3 for non-transparent CS data services

SA2 note that many handover cases are not described. Further SA2 ask if CN3's proposal has any impact on the Rel-4 MSC server/MGW architecture? For example, does the MSC server - MGW interface signalling need upgrading?

**DISCUSSION:** CN3 are not directly responsible for providing responses to these questions since the questions are related to the control plane whereas CN3's concept is only related to the user plane. It was decided to send an LS back to SA2, GERAN2 and CN1. Thomas Belling [Siemens] suggested that this LS needs to be seen by CN4 because the MSC server - MGW interface is impacted. Thomas offered to draft an LS to SA2, GERAN2, CN1 and CN4 [N3-020838] explaining this.

**RESULT:** The document was **NOTED**.

**N3-020838** **Re. LS on "CS data services for GERAN lu-mode", source CN3.** Presented by Thomas Belling of Siemens.

**CONTENT:** In this LS CN3 suggest that the impacts of the hand-over cases are investigated in the working groups where the appropriate expertise resides, i.e. in GERAN2, CN1 and CN4.

**RESULT:** The document was **APPROVED**.

**N3-020787** **Re. LS RTP / RTCP split for Rel-5 [S2-022627], source SA2.** Presented by Reidar Ericsson of Ericsson.

**CONTENT:** SA2 confirms the correct interpretation for Rel-5 IMS is that all RTCP flows shall be sent over the same PDP context as the associated RTP flows. SA2 has yet to complete the investigation regarding the architecture impacts to support RTP/RTCP carried over different PDP context. As further work is needed before RTP/RTCP separation can be applied for IMS services this can only apply for Rel-6.

**DISCUSSION:** This means there are no further actions on this for our Rel-5 specifications. CN3 will await the result of the investigations from SA2 before continuing with work on RTP/RTCP split for Rel-6.

**RESULT:** The document was **NOTED**.

**N3-020793** **LS on Subscribed Media Parameter [N4-021107], source CN4.** Presented by Constance Guilleray of Orange France.

**DISCUSSION:** No impact suspected on CN3 specifications.

**RESULT:** The document was **NOTED**.

**N3-020788** **Re. LS on Subscribed Media Parameter [S2-022634], source SA2.** Presented by Constance Guilleray of Orange France.

**CONTENT:** SA2 believes that there is a correlation between the subscribed QoS parameter in the HLR and media subscribed of the IMS profile stored in the HSS. Nothing has been defined so far in the stage 2 specifications in this regard and SA2 hopes to address this topic in Release 6.

**DISCUSSION:** CN3 should await the outcome of the SA2 investigation into this work.

**RESULT:** The document was **NOTED**.



**N3-020790**    **Re. LS on “Proposed solutions for the identification of source IP address information over the Go interface” [S2-022621], source SA2.** Presented by Norbert, CN3 chair.

**CONTENT:**    SA2 has considered the proposed CR to 23.207 CR 40 rev 2 including changes CN3 made and found it acceptable. SA2 has modified it to reflect the latest version of 23.207 (version 5.4.0). This modification is purely CR control administrative and does not have any impact on the text proposed in this CR by SA2 and CN3. The SA2 approved CR to 23.207 CR 40 rev 4 is attached into this LS.

SA2 asks CN3 to include this functionality for Rel5 and submit the related stage 3 CR 29.207 CR 22rev 1 (N3-020731) to the next CN plenary.

**DISCUSSION:** This LS was already seen by CN#17 and the related CR by CN3 was approved at CN#17.

**RESULT:**    The document was **NOTED**.

**N3-020791**    **Re. LS on Request for clarification related to raised questions regarding “Exchange of addresses on lu-CS using IP Transport Option in Release 5”. [N4-021071], source CN4.**

**CONTENT:**    Several questions back to RAN3

**DISCUSSION:** No direct impact on CN3 specifications.

**RESULT:**    The document was **NOTED**.

**N3-020792**    **Re. to LS “on Request for clarification related to raised questions regarding “Exchange of addresses on lu-CS using IP Transport Option in Release 5” [R3-022169], source RAN3.**

**CONTENT:**    RAN WG3 provides the answers to CN4’s questions as in N3-020791.

**DISCUSSION:** No direct impact on CN3 specifications.

**RESULT:**    The document was **NOTED**.

**N3-020794**    **LS on Request for DNS server address by SM procedure [N1-021834], source CN1.** Presented by Hans Ronneke of Ericsson.

**CONTENT:**    There is currently no support for dynamic configuration of Domain Name System (DNS) server IPv6 addresses in a UE not supporting the DHCPv6 protocol, as the necessary internet-drafts are not ready.

As a “back-up” solution to the internet-drafts that most likely will be late for Rel-5, a mechanism is introduced in CN1 and CN3 specifications to allow the possibility of dynamic configuration of Domain Name System (DNS) server IPv6 addresses via the Session Management procedures.

The solution proposes to use the PCO-IE to request the IPv6 address for DNS servers. This will be a generic solution for 3GPP and described in 27.060 and 29.061.

The coding within the PCO-IE is outlined in 24.008. As IMS may use the IPv6 address for DNS servers, this solution is also mentioned in 24.229.

CN1 asks SA2 to consider the outlined solution and respond to CN1 if the solution cannot be accepted in Rel-5. The package with the above mentioned CRs are agreed in CN1 and CN3 and will be submitted to CN#17 for final approval if SA2 does not have any objections.

**DISCUSSION:** No objections were received from SA2. The CRs were presented and approved at CN#17.

Nokia and Ericsson have a contribution to 27.060 adding a pointer to where the generic solution will be described.

**RESULT:**    The document was **NOTED**.

**N3-020795** **LS on Media grouping [N1-021782], source CN1.** Presented by Reidar Ericsson of Ericsson.

**CONTENT:** In this LS, CN1 asks SA / CN to consider the following question, and come back to CN1 with guidance to the concerns for the Rel-5 timeframe.

**Q.** It is a concern of CN1 that the functionality described in the LS will cause a delay for finalising Rel-5 on time. Shall CN1 continue with the current working assumption and assume that draft-camarillo-mmusic-separate-streams-00.txt will reach RFC status in Rel-5 timeframe?

CN1 asks SA2 to consider the problem and come back to CN1 with further guidance to the questions below.

**Q.** Does SA2 see other possible solutions to fulfil the requirement that does not cause additions to IETF and can be completed within the Rel-5 timeframe?

**Q.** in the case SA2 decides to move the requirement to indicate separate media streams as described in subclause 4.2.5.1 of 23.228 to Rel-6, CN1 would like to get guidance in how to proceed with this issue. Should CN1 continue the work as described in draft-camarillo-mmusic-separate-streams-00.txt for introduction in Rel-6?

**DISCUSSION:** Responses to CN1's questions contained in N3-020789 and N3-020809.

**RESULT:** The document was **NOTED**.

**N3-020789** **Re. LS on "Media grouping" [S2-022640], source SA2.** Presented by Reidar Ericsson of Ericsson.

**DISCUSSION:** SA2 understands the issues raised by CN1 with respect to the stage-3 availability of the IMS level indication for media component separation to different PDP Contexts. At the same time, SA2 does not intend to change the stage-2 mechanism specified in sub-clause 4.2.5.1 of TS 23.228 for Rel5 (or Rel6), as it allows for enough flexibility in terms of unavailability of the KIS (Keep It Separate) indicator.

SA2 understands that the UE is expected to put real-time media components to separate PDP Contexts irrespective of the availability of the KIS indicator. At the same time, the UE may share the same PDP Context for non-real-time components.

As a conclusion, SA2 would like to ask CN1 to further pursue the work on the KIS indicator (draft-camarillo-mmusic-separate-streams-00.txt). In SA2's opinion it is desirable to complete this work within Rel5, however, if the Rel5 timelines can not be met, it is acceptable to complete this work in Rel6 timeframe.

**DISCUSSION:** This guidance from SA2 effects the contributions from Ericsson in both CN1 and CN3 [see N3-020823, N3-020824].

**RESULT:** The document was **NOTED**.

**N3-020809** **Reply LS on Media grouping [NP-020480], source CN.**

**CONTENT:** TSG CN also notes the opinion of SA2 in their liaison that it is desirable to complete this work within Rel5, however, if the Rel5 timelines can not be met, it is acceptable to complete this work in Rel6 timeframe

The view of TSG CN is that it is not acceptable for the stability of Release 5 to be delayed six months or more by a new IETF dependency that is not complete and stable and cannot be referenced. TSG CN would therefore only be prepared to accept a CR to CN1 specifications at CN#18 to meet the media grouping requirement if it contained suitable references to stable (IESG approved) drafts. If the drafts identified by CN1 could reach such a state of stability and be suitably referenced by CN#18 then TSG CN would be prepared to consider such CRs at CN#18 otherwise TSG CN would choose to move such functionality to release 6 and request that CN1 and SA2 update their release 5 versions of their specifications accordingly.

However TSG CN is concerned about the default behaviour of the UE in the case that the KIS indicator is not sent to the UE and requests SA2 and CN1 to consider if any further clarifications to this behaviour are required in the appropriate SA2 and CN1 specifications.

TSG CN asks CN1 to consider the above response and to bring to CN#18 either a CR containing stable IETF dependencies that can be referenced or if needed a CR that clarifies the default UE behaviour in release 5 without the KIS indicator.

**DISCUSSION:** CN3 will await CN1 output on this.

**RESULT:** The document was **NOTED**.

**N3-020796** **LS on Interoperability Issues and SIP in IMS [NP-020393], source CN.** Presented by Thomas Belling of Siemens.

**CONTENT:** IETF has concerns that the 3GPP use of SIP is diverging somewhat from the original intention of SIP by the IETF.

**DISCUSSION:** LS has been sent from CN plenary to SA suggesting an LS from SA to IETF.

Main responsibility lies with CN1, SA2 and SA3. However there could be some effect on CN3's work on interworking between IMS and IP.

Nokia have provided an LS in CN1 stating that this issue needs to be raised to SA1 and SA2.

At the moment we have not identified any direct impact on CN3's work. However the outcome of work in other working groups may effect CN3.

**RESULT:** The document was **NOTED**.

**N3-020840** **Response to IETF LS on Interoperability Issues and SIP in IMS [SP-020627], source SA.**

**CONTENT:** 3GPP generally supports the interoperability goals as stated in the liaison. Any changes to IMS must be done as part of the 3GPP process and must satisfy the market and regulatory requirements established for 3GPP systems.

The 3GPP WGs have been requested to analyse the impacts of the specific interoperability issues identified in the liaison. Those fixes which can be accomplished by December without sacrificing crucial requirements will be corrected as part of Release 5.

Those interoperability issues which cannot be quickly resolved as part of Release 5 (i.e., cannot be completed by December) will need further discussion. A primary requirement of 3GPP is to ensure backwards compatibility between releases (especially with respect to terminals). Therefore, it is proposed that 3GPP and IETF collaborate (perhaps by a workshop involving the relevant working groups in 3GPP and IETF) to address any remaining non-compliances after December.

**RESULT:** The document was **NOTED**.

**N3-020835** **Response LS on Security enhancements for GERAN, source GERAN.** Presented by Ragnar Huslende of Ericsson.

**DISCUSSION:** No work relating to CN3 work can be identified from the LS.

**RESULT:** The document was **NOTED**.

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## 8 Release 4 and earlier

**NOTE:** *Release 4 and earlier have been Functionally Frozen.*

*Only CAT F (essential correction) and CAT A (corresponds to a correction in an earlier release) CRs are allowed for these Releases. The subcategories for CAT F CRs should be considered when agreeing essential CRs.*

### 8.1 GPRS

**N3-020769** **CR 29.061-R99: Correction of Radius Accounting Update figure, source Ericsson.** Presented by Hans Ronneke of Ericsson.

**CONTENT:** Corrects an erroneous figure.

**RESULT:** The document was **AGREED**.

**N3-020770** **CR 29.061-Rel4: Correction of Radius Accounting Update figure, source Ericsson.**

**RESULT:** The document was **AGREED**.

**N3-020771** **CR 29.061-Rel5: Correction of Radius Accounting Update figure, source Ericsson.**

**RESULT:** The document was **AGREED**.

### 8.2 Circuit switched Bearer Services

**N3-020762** **Usage of lu UP in support mode in core network, source Siemens AG.** Presented by Thomas Belling of Siemens.

**CONTENT:** In this discussion document, it is proposed to clarify for the Nb interface in Rel.4 and Rel.5 that lu UP is always used in support mode. The current text in TS 23.910 is unclear with respect to transparent CS data services, if no interworking function is inserted in the user plane. Related CRs to 23.910 and 29.007 are in N3-020763 – N3-020766.

**RESULT:** The document was **NOTED**.

**N3-020763** **CR 29.007-Rel4: Usage of lu UP in support mode in core network, source Siemens AG.** Presented by Thomas Belling of Siemens.

**CONTENT:** The CR makes changes so lu UP support mode is always used for transparent Cs data services at Nb interface, also at access side of IWF.

**COMMENTS:** Phil Hodges [Ericsson] had some minor comments to the cover page.

**RESULT:** The document was **REVISED to 0844**.

? **REVISED?**

**N3-020844** **Rev. CR 29.007-Rel4: Usage of lu UP in support mode in core network.**

**RESULT:** The document was **AGREED**.

**N3-020764** **CR 29.007-Rel5: Usage of lu UP in support mode in core network, source Siemens AG.** Presented by Thomas Belling of Siemens.

**COMMENTS:** Phil Hodges [Ericsson] had some minor comments to the cover page.

**RESULT:** The document was **REVISED to 0845**.

? **REVISED?**

**N3-020845** **Rev. CR 29.007-Rel5: Usage of lu UP in support mode in core network.**

**RESULT:** The document was **AGREED**.

**N3-020765**      **CR 23.910-Rel4: Usage of lu UP in support mode in core network, source Siemens AG.** Presented by Thomas Belling of Siemens.

**CONTENT:**      The CR makes changes so lu UP support mode is always used for transparent Cs data services at Nb interface, also at access side of IWF.

**COMMENTS:**    Phil Hodges [Ericsson] had some minor comments to the cover page.

**RESULT:**        The document was **REVISED to 0846.**

? **REVISED?**

**N3-020846**      **CR 23.910-Rel4: Usage of lu UP in support mode in core network.**

**RESULT:**        The document was **AGREED.**

**N3-020766**      **CR 23.910-Rel5: Usage of lu UP in support mode in core network, source Siemens AG.** Presented by Thomas Belling of Siemens.

**CONTENT:**      The CR makes changes so lu UP support mode is always used for transparent Cs data services at Nb interface, also at access side of IWF.

**COMMENTS:**    Phil Hodges [Ericsson] had some minor comments to the cover page.

**RESULT:**        The document was **REVISED to 0847.**

? **REVISED?**

**N3-020847**      **CR 23.910-Rel5: Usage of lu UP in support mode in core network.**

**RESULT:**        The document was **AGREED.**

### **8.3      Bearer Independent Circuit switched Core network**

no input, see 8.2

### **8.4      Technical Enhancements & Improvements (TEI)**

**N3-020811**      **CR 29.007-Rel5: Correction on mapping of BC-IE, source H3G, Ericsson.**  
Presented by Hatef Yamini of H3G.

**COMMENTS:**    The originators of the CR do not feel it is necessary to do changes back to R99. However the meeting felt this is an essential correction that is required in previous releases.

**RESULT:**        The document was **AGREED.**

**N3-020841**      **CR 29.007-R99: Correction on mapping of BC-IE, source H3G, Ericsson.** Presented by Hatef Yamini of H3G.

**RESULT:**        The document was **AGREED.**

**N3-020842**      **CR 29.007-Rel4: Correction on mapping of BC-IE, source H3G, Ericsson.**  
Presented by Hatef Yamini of H3G.

**RESULT:**        The document was **AGREED.**

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## 9 Release 5

### 9.1 e2e QoS for IM Subsystem

#### 9.1.1 General

**N3-020774** **Interaction between GGSN Diffserv functions and Charging, source Nortel Networks.** Presented by Javier Gonzalez Gallego.

**CONTENT:** Has been discussed on email exploder. The proposal was rejected via email and therefore the document is simply noted

**RESULT:** The document was **NOTED**.

**N3-020779** **CR 29.061 Rel-5: Handling of binding information by GGSN, source Nokia.** Presented by Juha Räsänen of Nokia.

**CONTENT:** CR that removes the handling of binding (that is in fact moved to 29.207)

**COMMENTS:** As this issue could not be clarified in the meeting it was decided to postpone the issue to the next CN3 meeting, and discuss this further over the CN3 email exploder.

**RESULT:** The document was **REVISED to 0862**.

? **REVISED?**

**N3-020862** **Rev. CR 29.061 Rel-5: Handling of binding information by GGSN, source Nokia and Ericsson.** Presented by Hans Ronneke of Ericsson.

**COMMENTS:** An additional wording change suggested by [Ericsson]

**RESULT:** The document was **REVISED to 0869**.

? **REVISED?**

**N3-020869** **Rev. CR 29.061 Rel-5: Handling of binding information by GGSN, source Nokia and Ericsson.** Presented by Hans Ronneke of Ericsson.

**COMMENTS:** CR required against 29.060 in CN4 hence this CR is postponed until next meeting.

**RESULT:** The document was **POSTPONED TO CN3#26 - where it was revised**.

**N3-020780** **CR 29.207 Rel-5 : Handling of binding information by GGSN, source Nokia.** Presented by Juha Räsänen of Nokia.

**CONTENT:** Adds the text that has been removed from 29.061 into this 29.207.

**COMMENTS:** Hans Ronneke [Ericsson] does not agree that we mandate that binding information be ignored. In some implementations this is required information in the UE. Ericsson requested an offline session to finalize the best solution. When the binding info. is present it is necessary to configure static filters in the GGSN and ignore the TFT sent from the UE.

If we ignore the binding info. the UE needs to process the TFT, (that may be a zero TFT).

Ericsson also has concerns with moving the text from 29.061 to 29.207.

H3G supported the contribution.

UE could have a different setting for TFT that is handled by the session management.

Nokia agreed that if there is a clash in the UE we need to reject the PDP context.

As this issue could not be clarified in the meeting it was decided to postpone the issue to the next CN3 meeting, and discuss this further over the CN3 email exploder.

**RESULT:** The document was **REVISED to 0863**.

? **REVISED?**

**N3-020863** **Rev. CR 29.207 Rel-5 : Handling of binding information by GGSN, source Nokia and Ericsson.** Presented by Hans Ronneke of Ericsson.

**COMMENTS:** Issue with including the coding /32/ in this change and we should refer to 24.008.  
We should reference the Gn interface from 29.207  
Remove changes on changes.

**RESULT:** The document was **REVISED to 0870.**

? **REVISED?**

**N3-020870** **Rev. CR 29.207 Rel-5 : Handling of binding information by GGSN, source Nokia and Ericsson.** Presented by Hans Ronneke of Ericsson.

**COMMENTS:** CR required against 29.060 in CN4 hence this CR is postponed until next meeting.

**RESULT:** The document was **POSTPONED TO CN3#26 where it was revised.**

**N3-020782** **CR 27.060-Rel-5: IMS related functions for the UE, source Nokia, Ericsson.** Presented by Juha Räsänen of Nokia.

**CONTENT:** Results from a discussion in NP#17 meeting, where some conflicting text was identified in our specifications. This CR replaces redefined procedural descriptions with references to the already existing procedures in other 3GPP TSs.

**COMMENTS:** Reidar Ericsson [Ericsson] mentioned that the text in 13.2 contains an unnecessary reference to 27.060. The CR should also include the correct term "service based local policy".

**RESULT:** The document was **REVISED to 0843.**

? **REVISED?**

**N3-020843** **CR 27.060-Rel-5: IMS related functions for the UE, source Nokia, Ericsson.**

**RESULT:** The document was **AGREED.**

**N3-020823** **CR 27.060-Rel-5: Mapping IMS media flows to PDP contexts, source Ericsson.**

**COMMENTS:** This change depends on whether IETF have completed the related work.

**RESULT:** The document was **WITHDRAWN.**

## 9.1.2 29.207

**N3-020772** **CR 29.207 Rel-5: Validating binding information against the UE, source Nortel Networks.** Presented by Javier Gonzalez Gallego

**COMMENTS:** Ericsson stated that the UEs have a unique 64bit prefix allocated using stateless address auto configuration. If stateless auto configuration is used, the IETF has recommended to 3GPP the use of 64 bit prefix.

There is still a problem that needs to be solved regarding GPRS charging information for to different UEs. This relates more to the contribution N3-020828. It was decided to postpone the issue to the next CN3 meeting, and discuss this further over the CN3 email exploder.

Offline discussions between Nortel and Ericsson during the week, meant some agreement could be made. Work will be required on the charging identifiers, and contributions on this will be brought to future meetings as required.

Minor comment on terminology (flow identifiers).

**RESULT:** The document was **REVISED to 0867.**

? **REVISED?**



- N3-020867**      **Rev. CR 29.207 Rel-5: Validating binding information against the UE.**  
**RESULT:**      The document was **AGREED**.
- N3-020828**      **CR 29.207 Rel-5: Validating binding information against the UE, source Ericsson.**  
Presented by Ragnar Huslende of Ericsson.  
**COMMENTS:** This contribution relates to the Nortel contribution in N3-020772. There are some issues that need to be examined in both documents relating to charging identifiers and security.  
After offline discussions with Nortel, Ericsson withdrew this contribution.  
**RESULT:**      The document was **WITHDRAWN**.
- N3-020773**      **CR 29.207 Rel-5: Policy Elements, source Nortel Networks.** Presented by Javier Gonzalez Gallego  
**CONTENT:**      The CR proposes that the UE send all received Policy Elements to the GGSN, without checking which is the Authorisation Token.  
**COMMENTS:**      Nokia believes some discussions on requirements need to be carried out by SA2 on this matter. Also Ericsson have concerns about preparing protocols to be future proof without the explicit direction from SA2.  
Nortel clarified that the RFC allows the SIP header to include multiple policy elements. 3GPP has no handling specified for this. Ericsson proposed letting the UE discard all other policy elements, but this will most probably be discussed in CN1.  
If there is a compatibility problem with Rel-5 UEs in future releases, this needs to be examined (by CN1).  
**RESULT:**      The document was **POSTPONED TO CN3#26. Where it was replaced by another CR (i.e this CR number not agreed)**.
- N3-020781**      **CR 29.207 Rel-5: Connection failure between PCF and GGSN, source Nokia.**  
Presented by Juha Räsänen of Nokia.  
**CONTENT:**      If the connection between the GGSN and the PCF fails and the GGSN is not allowed to make a local authorization decision, the GGSN rejects the PDP context activation or modification with the cause code "system failure".  
**COMMENTS:**      Ericsson suggested using a more specific cause code.  
**RESULT:**      The document was **REVISED to 0864**.  
**? REVISED?**
- N3-020864**      **Rev. CR 29.207 Rel-5: Connection failure between PCF and GGSN, source Nokia and Ericsson.** Presented by Hans Ronneke of Ericsson.  
**COMMENTS:**      Need a reference in which the cause code is defined  
**RESULT:**      The document was **REVISED to 0871**.  
**? REVISED?**
- N3-020871**      **Rev. CR 29.207 Rel-5: Connection failure between PCF and GGSN, source Nokia and Ericsson.** Presented by Hans Ronneke of Ericsson.  
**COMMENTS:**      CR required against 29.060 in CN4 hence this CR is postponed until next meeting.  
**RESULT:**      The document was **POSTPONED TO CN3#26 where it was revised**.
- N3-020775**      **CR 29.207 Rel-5: IANA number for PIB, source Nortel Networks.** Presented by Javier Gonzalez Gallego



- COMMENTS:** There is an outstanding action for MCC to manage the number allocation under the 3GPP branch.  
This still needs to be examined and DAB [MCC] will take the action to clarify these issues by CN3#26.  
The CR is postponed until CN3#26 when the clarification on branch management can be provided by MCC
- RESULT:** The document was **POSTPONED TO CN3#26. Where it was replaced by another CR (i.e this CR number not agreed).**
- N3-020776** **CR 29.207 Rel-5: Go PIB revision and update, source Nortel Networks.** Presented by Javier Gonzalez Gallego
- CONTENT:** The IETF OPS Area Director has provided comments to the authors of the go-PIB. These have been addressed in this CR.
- RESULT:** The document was **AGREED.**
- N3-020877** **CR 29.207 Rel-5: Go PIB revision and update, source Nortel Networks.** Presented by Javier Gonzalez Gallego.
- CONTENT:** Corrects some syntax errors in the Go PIB.
- RESULT:** The document was **AGREED.**
- N3-020777** **CR 29.207 Rel-5: Reference [11] update, source Nortel Networks.** Presented by Javier Gonzalez Gallego.
- COMMENTS:** References should arrive in 1 or 2 weeks. The CR will be presented to CN3#26.
- RESULT:** The document was **WITHDRAWN.**
- N3-020797** **CR 29.207 Rel-5: Clarification on Flow identifier coding, source Nortel Networks.** Presented by Javier Gonzalez Gallego.
- CONTENT:** This CR adds a reference in annex C to 24.008 to clearly and unambiguously know how to encode flow ID.
- COMMENTS:** Some confusion as to where the flow ID is defined.  
The latest version of the related CN1 document also needs to be considered.
- RESULT:** The document was **REVISED to 0876.**
- ? REVISED ?**
- N3-020872** **CR 29.207 Rel-5: Clarification on Flow identifier coding, source Nortel Networks.** Presented by Javier Gonzalez Gallego
- COMMENTS:** In the revised CR, the CN1 document was removed and revision status corrected.
- RESULT:** The document was **REVISED to 0872.**
- ? REVISED ?**
- N3-020876** **CR 29.207 Rel-5: Clarification on Flow identifier coding, source Nortel Networks.**
- RESULT:** The document was **AGREED.**
- N3-020807** **CR 29.207 Rel-5: Clarification on use of charging correlation information, source NEC.** Presented by Yashiro Takuya and Yukio Kawanami of NEC.
- CONTENT:** 29.207 describes ICID and GCID as charging correlation information. However, the current description is misaligned with 24.229 V5.2.0. This CR proposes changes to correct this misalignment.

**COMMENTS:** Need to include a ref. to 32.225 where the ICID is described.  
 Need to remove the duplicated reference to 24.229.  
 Javier [Nortel] stated the text needed some modification (examined offline).  
 Ragnar Huslende [Ericsson] questioned the change to 'charging correlation', whether it is the correlation coming from the session layer. GPRS charging is the GPRS bearer correlation from the GPRS layer.  
 David Sanders [Vodafone] proposed removing the duplicated text, and simply reference the description in 24.229.  
 Ragnar Huslende [Ericsson] asked if this is the correct place to specify how the GGSN must specify charging information.  
 The CR proposes to remove the capability to transport multiple sets of Binding information as an alignment to CN1's understanding. Ragnar Huslende [Ericsson] rejects this because it was required by an LS from SA2 (N3-020461) that contains the following text " *At the same time, the interfaces (and the corresponding information element(s) within) carrying Binding Information shall be designed such a way that they are capable of carrying multiple sets of Binding Informations for forward compatibility reasons.*" This suggests that CN1 may not have the correct understanding  
 The CN3 assumption that several ICIDs are allowed is in alignment with the SA2 requirements. NEC stated that this is not a requirement from SA2. If this is the requirement it should be specified in stage 2 specs, not via an LS.  
 These issues were checked offline to allow delegates time to check with colleagues.

**RESULT:** The document was **REVISED TO 0851.**

? **REVISED?**

**N3-020851** **Rev. CR 29.207 Rel-5: Clarification on use of charging correlation information,, source NEC.** Presented by Yashiro Takuya and Yukio Kawanami of NEC.

**COMMENTS:** DAB of MCC, questioned the change to the terminology for ICID. There are changes to this terminology under way in CN1, and CN3 should align to this, but only when the decision is finalised in CN1.

It is not sure if this CR is dependent on a similar CR in CN1.

Ericsson consider there are some relations to the ongoing discussions in SA5 regarding the term ICID.

Ericsson, Siemens and Nortel requested more time to study the changes.

Due to the number of issues that need to be clarified it was decided to postpone this CR until CN3#26 meeting.

NEC requested this issue be discussed on the CN3 email exploder.

**RESULT:** The document was **POSTPONED TO CN3#26. Where it was replaced by another CR (i.e this CR number not agreed).**

**N3-020808** **CR 29.207 Rel-5: Clarification on PIB regarding the use of charging correlation information, source NEC.**

**RESULT:** The document was **WITHDRAWN.**

**N3-020826** **CR 29.207 Rel-5: Clarifications on GGSN messages, source Ericsson.** Presented by Ragnar Huslende of Ericsson.

**CONTENT:** The CR Clarifies which COPS messages are used to initiate PDP context modification/deactivation. This is currently missing in section 5.1 in two cases.

**RESULT:** The document was **AGREED.**

**N3-020836** **CR 29.207-Rel-5 " Clarification on multiple codecs ", source Nokia.** Presented by Juha Räsänen of Nokia.

**CONTENT:** This CR relates to the LS from CN1 that claims we do not clearly indicate behaviour in the case of multiple codecs

**COMMENTS:** Requested to add the wording 'agreed' codec.

**RESULT:** The document was **REVISED to 0848.**

? **REVISED?**

**N3-020848** **Rev. CR 29.207-Rel-5 " Clarification on multiple codecs ", source Nokia.**

**RESULT:** The document was **AGREED.**

**N3-020849** **CR 29.207 Rel-5: " Clarification of Diffserv class and Diffserv PHB terminology ", source Nortel Networks.** Presented by Javier Gonzalez Gallego

**CONTENT:** Proposes to use only the term "Diffserv class" and remove the term Diffserv PHB from 29.207.

**RESULT:** The document was **AGREED.**

### 9.1.3 29.208

**N3-020830** **CR 29.208 Rel-5: Mapping of SDP parameters to Authorized IP QoS parameters in the PCF, source Orange France.** Presented by Constance Guilleray of Orange France

**CONTENT:** The bandwidth limitation is included in the mapping done by the PCF for the derivation of the max data rate authorized according to the operator policy.

**COMMENTS:** Siemens did not know why change is made only in the PCF. Ericsson had concerns that we also need to change the rule in the UE.

Constance clarified that there is a need to explain which entity we can define policy rules and how these policy rules are applied. The PCF applies one policy rule on the bandwidth parameter that has to be transmitted with a SIP message.

PCF and P-CSCF are not split in Rel-5. We do not specify interface between the two.

Thomas stated that the mapping tables should be same for UE and PCF.

Reidar Ericsson [Ericsson] proposed that we allow the PCF to change the bandwidth as a result of the value of the B parameter. However for Rel-6, when the PCF - P-CSCF is split, this task will need to be examined and specified.

It was agreed that the P-CSCF can modify the SDP parameters before sending to PCF, and then the PCF does the mapping.

Reidar proposed some additional text for 29.208 to reflect this.

The UE will be informed of this by the B parameter that will reflect the max. authorised bandwidth.

Hatef Yamini [H3G] was concerned that the mapping rules (as specified by SA4) may contradict what we will send to the UE.

Suggestion to add text to reflect that the UE maps from the SDP parameter that have been negotiated during the SIP signalling.

**RESULT:** The document was **REVISED to 0853.**

? **REVISED?**

**N3-020853** **Rev. CR 29.208 Rel-5: Mapping of SDP parameters to Authorized IP QoS parameters in the PCF, source Orange France.**

**COMMENTS:** Juha Räsänen [Nokia] suggested that this may contain new functionality. Possible 29.208 is not the correct specification to include this functionality.

Riedar Ericsson [Ericsson] suggested that we modify the wording and include a reference to TS 24.229. It was mentioned that 24.449 may not be specific enough in relation to which elements do which functions. However this is an issue for CN1 to examine.

CN1 specification only mentions the P-CSCF, however the SA2 specifications state that the PCF has the policy rules. This is not a problem for Rel-5, but will be a problem in Rel-6 when/if these two entities are split. However 24.229 does not presently mandate that the P-CSCF can modify the bandwidth.

Minor comment the CR includes changes on changes. These need to be removed in order to improve clarity.

After checking, it was seen that the modifications are *static*, and are not required in 29.208.

**RESULT:** The document was **WITHDRAWN**.

**N3-020824** **CR 29.208 Rel-5: Editorial improvements in TS 29.208, source LM Ericsson.**  
Presented by Reidar Ericsson of Ericsson.

**CONTENT:** The CR provides general improvements in the wording and details of 29.208.

**COMMENTS:** David Sanders [Vodafone] questioned the global change to "client handle".

Javier Gonzalez Gallego [Nortel] preferred the terminology Diffserv PHB instead of Diffserv Class.

Alignment required in 29.207 [see CR in N3-020849].

Use of term 'for this release' is incorrect. The CR incorrectly deletes the references to Rel-5.

Change of text to "In rel-5 this mapping rule is optional for the UE".

CR coversheet needs modification to include WID and change the title to make it a correction (not an editorial).

**RESULT:** The document was **REVISED to 0850**.

? **REVISED?**

**N3-020850** **Rev. CR 29.208 Rel-5: Terminology in TS 29.208 in line with TS 29.207, correction of signalling flow diagrams, correction of a rule and editorial improvements.**

**COMMENTS:** Missing Release and WID from CR cover page, and minor editorial errors.

**RESULT:** The document was **REVISED to 0866**.

? **REVISED?**

**N3-020866** **Rev. CR 29.208 Rel-5: Terminology in TS 29.208 in line with TS 29.207, correction of signalling flow diagrams, correction of a rule and editorial improvements.**

**RESULT:** The document was **AGREED**.

**N3-020825** **CR 29.208 Rel-5: QoS mapping in the case of forking, source LM Ericsson.**  
Presented by Ragnar Huslende of Ericsson.

**CONTENT:** The QoS mapping in the case of forking is described by means of a procedure that uses the existing mapping rules. There is one procedure for the PCF and a similar procedure for the UE.

**COMMENTS:** The CR is based on incorrect version of 29.208.

David Sanders [Vodafone] has some concerns with the text 'shall be set to the highest authorised QoS values'.

Use of term "Media component" needs to be corrected.

**RESULT:** The document was **REVISED to 0852**.

## ? REVISED?

**N3-020852**    **Rev. CR 29.208 Rel-5: QoS mapping in the case of forking, source LM Ericsson..**

**RESULT:**        The document was **AGREED**.

**N3-020827**    **CR 29.208 Rel-5: Remove binding information in DEC message, source LM Ericsson.**

**RESULT:**        The document was **WITHDRAWN**.

## 9.2    Service change and UDI fall back

**N3-020819**    **CR 23.172 Rel-5: Speech codec selection for SCUDIF calls, source LM Ericsson.**  
Presented by Phil Hodges of Ericsson.

**CONTENT:**        The CR ensures that the selected speech codec used for SCUDIF calls is the G.711.

**COMMENTS:**    Thomas Belling [Siemens] had concerns with the changes and saw them as unnecessary. A solution is being developed in CN4 to do this same function.

Phil underlined that the reasons for this change is to simplify the signalling between the service changes. Ericsson consider the alternative solution (in CN4) to be inefficient.

Francesco Pica [TIM] supported the Ericsson simple solution.

Agreement could not be met on this CR and the dependencies on the CN4 CRs. It was decided to take the discussion offline via email.

**RESULT:**        The document was **POSTPONED to CN3#26 where it was revised**.

**N3-020815**    **CR 23.172 Rel-5: Service Change Procedure, source LM Ericsson.** Presented by Phil Hodges of Ericsson.

**CONTENT:**        Service change section does not cover enough detail for the Server to control the MGW in split architecture for a SCUDIF call. This CR adds a detailed description and an example sequence diagram.

**COMMENTS:**    Contains the assumption that 64 kbit/s is used [CR in N3020819]. Thomas Belling [Siemens] agreed with the intention of the change, but did not feel it was the most efficient solution.

Agreement could not be met on this CR. It was decided to take the discussion offline.

**RESULT:**        The document was **POSTPONED to CN3#26 where it was revised**.

**N3-020816**    **CR 23.172 Rel-5: Lawful Interception For SCUDIF, source LM Ericsson.** Presented by Phil Hodges of Ericsson.

**CONTENT:**        The CR introduces a new chapter to describe basic requirement for SCUDIF monitoring.

**COMMENTS:**    SA3-LI have requested that we inform them of any functions that may need to be described for LI. Propose a LS to SA3 LI [N3-020860] to inform them of the work CN3 have done in the area.

**RESULT:**        The document was **AGREED**.

**N3-020860**    **LS to SA3 Li on Lawful Interception For SCUDIF, source LM Ericsson.** Presented by Phil Hodges of Ericsson.

**CONTENT:**        CN3 has considered the Lawful Interception for the SCUDIF service as defined in TS 23.172 introduced in Rel5, and does not see a need to introduce any specific behaviour other than what is already defined for a CS data call.  
In light of this, CN3 has included such a statement in the TS for SCUDIF, see attached CR, it simply indicates that for this service no new handling is needed.

**RESULT:** The document was **APPROVED**.

**N3-020817** **Inter-MSC Relocation For SCUDIF, source LM Ericsson.** Presented by Phil Hodges of Ericsson.

**CONTENT:** This discussion paper presents a solution for allowing a service change for SCUDIF calls in relation to inter-MSC SRNS Relocation.

**COMMENTS:** The overall approach has been endorsed by CN4, although there are some concerns with the details of the call flows.

The Call flows need to be added in the stage 2

Robert Zaus [Siemens] had concerns about the bit signalling not being supported, not allowing a service change during MSC handover. This is not mentioned in the discussion paper.

Robert suggested this be included in a future CR to 23.172 that needs to be available well before the next CN3 meeting to allow companies time for checking. This CR should cover all the cases. Ericsson agreed to provide such a CR well in advance of CN3#26 meeting.

**RESULT:** The document was **NOTED**.

**N3-020820** **CR 23.172 Rel-5: Mobile originating BC handling for SCUDIF calls, source LM Ericsson.** Presented by Phil Hodges of Ericsson.

**CONTENT:** The CR adds the description of the case where the originating MSC returns BCs in reversed order to the originating UE.

**COMMENTS:** Some further work was required in order to describe the overall concept at the stage 2 level.

**RESULT:** The document was **REVISED to 0858**.

? **REVISED?**

**N3-020858** **Rev. CR 23.172 Rel-5: Mobile originating BC handling for SCUDIF calls**

**RESULT:** The document was **POSTPONED to CN3#26 where it was revised**.

**N3-020821** **CR 27.001 Rel-5: Mobile originating BC handling for SCUDIF calls, source LM Ericsson.** Presented by Phil Hodges of Ericsson.

**CONTENT:** This CR adds the description of the case where the originating MSC returns BCs in reverse order to the originating UE is added.

**COMMENTS:** The change seems to contradict the preceding sentence in the same paragraph. Clarification in the text needed.

Some checking was required by the originator.

**RESULT:** The document was **REVISED to 0857**.

? **REVISED?**

**N3-020857** **Rev. CR 27.001 Rel-5: Mobile originating BC handling for SCUDIF calls**

**RESULT:** The document was **POSTPONED to CN3#26 where it was revised**.

**N3-020822** **CR 29.007 Rel-5: Mobile originating BC handling for SCUDIF calls, source LM Ericsson.** Presented by Phil Hodges of Ericsson.

**CONTENT:** The CR adds the description of the case where the originating MSC returns BCs in reverse order to the originating UE.

**COMMENTS:** This change allows MSC to send the BC-IEs in reverse order, but elsewhere it was the terminating UE that changed the order of the BC-IEs. there is a restriction in 27.001 that

the network should not change the order. It is the user that defines the order of the BC-IEs.

Juha [Nokia] checked the early version of the stage 2 [23.172], and it shows that the end to end negotiation is completed only after the setup signalling, leading to an in-call modification at the calling end if the called terminal changes the preferred service.

Add text to 29.007 to say the change of the BC-IEs is determined by the terminating UE.

After checking, it was seen that CN3 need to specify the whole concept as this is missing from the stage 2.

**RESULT:** The document was **REVISED to 0859.**

? **REVISED?**

**N3-020859** **Rev. CR 29.007 Rel-5: Mobile originating BC handling for SCUDIF calls**

**RESULT:** The document was **POSTPONED to CN3#26 where it was revised.**

### 9.3 Technical Enhancements & Improvements (TEI)

**N3-020800** **CR 43.010: CS Data Services (including HSCSD and EDGE) for GERAN lu mode, source Siemens AG.** Presented by Norbert Klehn of Siemens.

**CONTENT:** The provision of CS data services in GERAN lu mode requires changes in 43.010 as proposed in this CR. Same as CR presented to CN3#24 meeting, only updated to reflect new version of the TS.

**RESULT:** The document was **AGREED.**

**N3-020801** **CR 23.910: CS Data Services (including HSCSD and EDGE) for GERAN lu mode, source Siemens AG.** Presented by Norbert Klehn of Siemens.

**CONTENT:** The provision of CS data services in GERAN lu mode requires changes in 23.910 as proposed in this CR. Same as CR presented to CN3#24 meeting, only updated to reflect new version of the TS.

**RESULT:** The document was **AGREED.**

**N3-020802** **CR 24.022: CS Data Services (including HSCSD and EDGE) for GERAN lu mode, source Siemens AG.** Presented by Norbert Klehn of Siemens.

**CONTENT:** The provision of CS data services in GERAN lu mode requires changes in 44.022 as proposed in this CR

**RESULT:** The document was **AGREED.**

**N3-020803** **CR 29.007: CS Data Services (including HSCSD and EDGE) for GERAN lu mode, source Siemens AG.** Presented by Norbert Klehn of Siemens.

**CONTENT:** The provision of CS data services in GERAN lu mode requires changes in 29.007 as proposed in this CR.

**RESULT:** The document was **AGREED.**

**N3-020804** **CR 27.001: CS Data Services (including HSCSD and EDGE) for GERAN lu mode, source Siemens AG.** Presented by Norbert Klehn of Siemens.

**CONTENT:** The provision of CS data services in GERAN lu mode requires changes in 27.001 as proposed in this CR

**RESULT:** The document was **AGREED.**



**N3-020805**      **CR 44.021: CS Data Services (including HSCSD and EDGE) for GERAN Iu mode, source Siemens AG.** Presented by Norbert Klehn of Siemens.

**CONTENT:**      The provision of CS data services in GERAN Iu mode requires changes in 44.021 as proposed in this CR

**RESULT:**        The document was **AGREED**.

**N3-020806**      **CR 48.020: CS Data Services (including HSCSD and EDGE) for GERAN Iu mode, source Siemens AG.** Presented by Norbert Klehn of Siemens.

**CONTENT:**      The provision of CS data services in GERAN Iu mode requires changes in 44.021 as proposed in this CR

**COMMENTS:**    Minor spelling errors and missing table number.

**RESULT:**        The document was **REVISED to 0854**.

? **REVISED?**

**N3-020854**      **Rev. CR 48.020: CS Data Services (including HSCSD and EDGE) for GERAN Iu mode, source Siemens AG.** Presented by Norbert Klehn of Siemens.

**COMMENTS:**    Table numbering error.

**RESULT:**        The document was **REVISED to 0861**.

? **REVISED?**

**N3-020861**      **Rev. CR 48.020: CS Data Services (including HSCSD and EDGE) for GERAN Iu mode, source Siemens AG.** Presented by Norbert Klehn of Siemens.

**RESULT:**        The document was **AGREED**.



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## 10 Release 6

### 10.1 Interworking between IM subsystem and IP

**N3-020759** Updated TR on 3PP SIP Profile interworking, source Siemens AG.

**RESULT:** The document was **WITHDRAWN**.

**N3-020833** Updated TR on 3PP SIP Profile interworking, source Siemens AG. Presented by Thomas Belling of Siemens.

**CONTENT:** The TR has been updated to reflect the results of CN1 during the Budapest meeting. It is suggested that the TR is assigned a number and taken as basis for further contributions.

**COMMENTS:** Once we agree that we want back to back UAC, this work could be included into 29.162.

Interaction cases between 3GPP UAs and non 3GPP UAs.

Agreed with CN1 that CN3 makes the studies and not only the problems but the possible solutions.

Thomas believes that the LS from the IETF has an impact on this TR.

Stephen Hayes stated that the end2 end negotiation within 3GPP may result in calls being abandoned. Initially 3GPP will look at fixing the protocol errors. In the longer term 3GPP will work with the IETF in fixing these interworking issues

CN3 will continue with this TR in order to identify problems and solutions for the SIP interworking.

Hatef Yamini [H3G] asked if eventually we may be able to do away with SIP interworking, and just use the SIP extensions on the IETF specifications. Thomas and Stephen stated this could be a long term goal, but not an immediate solution.

Stephen Hayes mentioned that 3GPP still has to solve the (3GPP2) transcoder issues and IPV4 and IPV6 issues. Ultimately we will have seamless end to end communications but it's more the above issues that are of concern.

David Sanders [Vodafone] stated that the purpose of this TR was to identify any interworking issues, which it has done, and indeed proposed a possible solution. Now we need to see who shall resolve the issue.

Thomas Belling [Siemens] feels it is 3GPP that should solve the interworking issue with the UA, as the IETF will not address this problem.

Stephen Hayes wishes to see this TR develop more toward identifying the problems and effect but avoid developing the solutions. SA1 and SA2 need to be made aware of these issue so they can examine eventual solutions.

The eventual solutions provided by SA1, SA2 will be included at the stage 3 level in 29.162.

It is the view of the rapporteurs of this TR that it is fairly stable, and could be further stabilised by a drafting session this week. Some expertise is required from the SIP experts in CN1.

This can either be done in a joint session, a drafting session, or by email discussion between now and November meeting. Also CN1 are having a Rel-6 ad-hoc in Munich [22-24 Oct], and CN3 experts could attend that meeting and discuss this issue.

David Sanders [Vodafone] stated that CN3 have identified call scenarios where interworking errors could occur, and proposed an initial solution. David sees no advantage in re-visiting this in a joint session.

Decided to have a drafting session within CN3 on this issue (Thursday pm). Draft a LS [N3-020865] to CN1 asking them to focus on the scenarios.

Send the outcome of the drafting session to the CN1 email exploder so that they can study the end to end interaction scenarios.

After some delay the result of this email discussions can be sent to SA1 and SA2 as a liaison from the CN3#26 meeting.

**RESULT:** The document was **REVISED to 0879.**

? **REVISED?**

**N3-020879** **Rev. Updated TR on 3PP SIP Profile interworking, source Siemens AG.** Presented by Thomas Belling of Siemens.

**CONTENT:** This version of the TR is the output of the drafting session, with additional editorial corrections performed by the editor according to suggestions of the drafting group.

**COMMENTS:** Editors not should be changed to normative text in section 4.

David Sanders [Vodafone] questioned the necessity of Annex C. The term Rogue UA refers to a 3GPP UE that does not support all mandated interface.

**RESULT:** The document was **REVISED to 0880.**

? **REVISED?**

**N3-020880** **Rev. Updated TR on 3PP SIP Profile interworking, source Siemens AG.** Presented by Thomas Belling of Siemens.

**RESULT:** The document was **AGREED.**

**N3-020865** **LS on Review of TR on 3PP SIP Profile interworking, source Siemens AG.** Presented by Thomas Belling of Siemens.

**CONTENT:** CN3 would like to inform CN1 about CN3's intents with respect to the TR on 3GPP SIP Profile interworking, and would like to invite CN1 experts to review certain aspects of the TR.

**COMMENTS:** CN1 delegates were unable to participate in a drafting session this week. However CN3 delegates held a drafting session in order to clean the TR as much as possible.

Suggested to have a one day meeting in Munich with the participation of CN1 experts, in order advance the SIP interworking TR. This would be in combination with the CN1 Rel-6 ad hoc.

It is more likely that the LS to SA1 and SA2 will be created in the Bangkok meeting (not by email).

**RESULT:** The document was **REVISED to 0874.**

? **REVISED?**

**N3-020874** **LS on Review of TR on 3PP SIP Profile interworking, source Siemens AG.** Presented by Thomas Belling of Siemens.

**COMMENTS:** Intention of this LS is to set up a procedure for advancing this TR with CN1 and SA1, SA2.

Revise to include the new Tdoc for the TR.

Thomas Belling will present the LS directly to CN1 this week.

**RESULT:** The document was **REVISED to 0881.**

? **REVISED?**

**N3-020881** **LS on Review of TR on 3PP SIP Profile interworking, source Siemens AG.** Presented by Thomas Belling of Siemens.

**RESULT:** The document was **APPROVED.**

## 10.2 Interworking between IM Subsystem with CS

**N3-020813** **Status report of work in ITU-T SG11, source Vodafone.** Presented by David Sanders of Vodafone.

**CONTENT:** ITU-T Study Group 11 are currently defining the interworking between SIP/SDP and ISUP/BICC at the Network-to-Network Interface. One of their deliverables is to define the interworking for ISUP/BICC to the 3GPP Profile of SIP which is specified in TS 24.229.

This contribution describes the status of the ITU-T SG11 work and considers the possible impacts on the CN3 work schedule.

In conclusion the proposal is to communicate 3GPPs concern to ITU-T SG11 and encourage them to consider our needs and split the draft interworking document on a per Profile basis. Common parts can be referenced from one Recommendation to the other hence avoiding duplication of effort and divergence of the solution.

In considering the disputed issues and the possibility of a delayed output from the ITU-T Vodafone proposes that if there is no satisfactory decision made at the next full ITU-T meeting in Geneva after we have communicated with the ITU, i.e. a decision to split the definition of the interworking for the 3GPP scenario, then the ITU-T work applicable to the 3GPP scenario is ported back into CN3.

**COMMENTS: Questions and comments:**

The next ITU-T meeting (duration 14 days) is 11<sup>th</sup> November 2002 (same week as CN3#26).

Stephen Hayes [CN chair] is already aware this problem, and suggested making it clear to ITU-T that we need their output in a timely manner. CN supports sending a 'strong' and clear communication to the ITU-T.

Alf Heidermark [Ericsson] holds a 3GPP coordinator role within ITU-T SG/11 and suggested that he can report 3GPPs status and concerns to SG.11.

Thomas Belling [Siemens] supports the Vodafone view, and would support a 'formal' communication.

Stephen Hayes supported CN3 creating a formal 'position paper' that should be sent to the 3GPP ITU-T coordination group that can study and approve the paper via email, and then communicate it to ITU-T.

This position paper once agreed by the 3GPP ITU-T coordination group could be taken as input to SG 11 to be presented by Alf Heidermark [Ericsson].

Javier Gonzalez Gallego [Nortel] had some concerns about 3GPP proposing a split to ITU-T, and suggested that 3GPP help ITU-T to proceed the work in the usual manner. David Sanders [Vodafone] did not see this as reasonable and would result in delays.

Norbert Klehn suggested not telling ITU-T how to organise their work, this is an internal matter for the ITU-T, but we should express our concerns and propose a way forward.

If the ITU-T does not split the document, 3GPP will need to make a complex 'deviation' paper detailing the differences.

We need to express to ITU-T that if the work cannot be done within the ITU-T before the Rel-6 timescale then 3GPP will need to take the work back from the ITU-T. Our deadline for this work is March 2003.

Thomas Belling [Siemens] suggested that we should already begin preparing for this eventuality.

Alf and Thomas suggested we should be prepared to take back, but await the outcome of the discussions in ITU-T before taking the decisions.

Alf Heidermark [Ericsson] stated that at least one company is planning to put in a proposal to ITU-T suggesting splitting of the 3GPP work, and this same organisation could provide the feedback to CN3 at the Bangkok meeting.

Stephen Hayes stated that if ITU-T go for a non-split path but guarantee that the output will be completed by March 2003, we should be a bit sceptical and consider taking the work back anyway.

Alf stated that if there is not a split, it is unlikely that the output is ready in time for Rel-6 even though the ITU-T have the possibility to have extra meetings on this issue. Ericsson supported suggesting to ITU-T to split out the 3GPP profile, and indicate that if the work cannot be completed within the ITU-T we would prefer to take the work back to 3GPP.

Even if 3GPP take the work back, the common parts between the ITU-T and 3GPP should not deviate too much.

We should suggest that the readability of the TS would be greatly improved if the ITU-T split the work

Thomas Belling [Siemens] supported leaving the work in the ITU-T, if they guarantee that they can finish the work within 3GPPs Rel-6 timescale.

The important point is that the ITU-T agree to split out the 3GPP profile. This would mean that we may get our output by September 2002.

If there is a split document, it will be possible for 3GPP to have specific rapporteur in the ITU-T and the work will proceed a lot faster than if there is a single non-split document.

It will be difficult to get confirmation back from ITU-T before the November CN3 meeting (due to timescale clashes). A communication could be treated in CN plenary.

MM02 support the Vodafone position.

### Summary

Position paper - telling ITU-T our concerns and deadlines concentrating on what we need, as well as suggesting a split of Q.1912.SIP.

This position paper should be sent as a LS to CN and ITU-T ad hoc coordination group.

Await response from ITU-T that will probably come to CN#18 where we can decide how to proceed.

We then have 3 months to complete the work (within the agreed timescale)

Norbert had concerns that the ITU-T should not be dealing with the 3GPP profile of SIP. This is a matter of 3GPP to handle the PLMN specific parts.

Alf [Ericsson] clarified that this 3GPP profile work within the ITU-T is just the basis for doing the protocol work, and it only contains references to the 3GPP documentation.

The 3GPP position paper (LS) to ITU-T is in *N3-020855*.

**RESULT:** The document was **NOTED**.

**N3-020855** **LS containing the 3GPP Position paper to ITU-T, source Vodafone.** Presented by David Sanders of Vodafone.

**COMMENTS:** The document does not 'directly' ask ITU-T to split, only suggests that we isolate the 3GPP scenario from the unstable scenarios.

Comments received from Ericsson

**RESULT:** The document was **REVISED TO 0878**

**? REVISED?**

**N3-020878** **LS containing the 3GPP Position paper to ITU-T, source Vodafone.** Presented by David Sanders of Vodafone.

**COMMENTS:** Send this LS to CN and to the ITU-T coordination group. The Coordination group will review the LS and forward it to the ITU-T using the appropriate channels

**RESULT:** The document was **APPROVED**.

**N3-020760** **CR 29.163: Rename IMS Mc interface, source Siemens AG.**

**RESULT:** The document was **WITHDRAWN**.

- N3-020832** **CR 29.163: Rename IMS Mc interface, source Siemens AG.** Presented by Thomas Belling of Siemens.
- CONTENT:** A change that renames the Mc Interface to Mn interface.
- COMMENTS:** Some references to Mc still need to be replaced.
- RESULT:** The document was **REVISED to 0856.**
- ? REVISED?**
- N3-020856** **CR 29.163: Rename IMS Mc interface, source Siemens AG.** Presented by Thomas Belling of Siemens.
- RESULT:** The document was **AGREED.**
- N3-020761** **Considerations on the Support of the AMR Codec, source Siemens AG.** Presented by Thomas Belling of Siemens.
- CONTENT:** The document proposes that for interworking with PSTN (BICC) the H.248 packages as defined in ITU-T Q.1950 Call Bearer Control Protocol shall be supported on the Mn interface.
- COMMENTS:** CN3 needs to specify the basic procedures for this.
- Phil Hodges [Ericsson] felt that we should not have the server requesting capabilities , and keep the solution a simple as possible.
- One solution may be to restrict the possibilities that the MGW has to support in the CN3s specifications (such as remove streaming).
- Several issues were raised with this document that need to be studied further.
- RESULT:** The document was **NOTED.**
- N3-020767** **Support of early media if interworking between IMS and ISUP/BICC, source Siemens AG.** Presented by Thomas Belling of Siemens.
- CONTENT:** Early Media is currently frequently used in a PSTN. However, the IMS does not support early media in Rel. 5. This contribution aims to initiate a discussion, if and how early media shall be supported in the IMS.
- The proposal is to send a LS to SA2 (including this contribution) asking for guidance how to handle problems related to the mobile originated call.
- COMMENTS:** Reidar Ericsson [Ericsson] stated that IMS can expect early media but only in the downlink direction.
- After checking it was confirmed that there is a possibility to have early media 'optional operator configurable'. It was decided to provide a CR for clarification on this to 29.207 [see N3-030873].
- RESULT:** The document was **NOTED.**
- N3-020873** **CR to 29.207 on Clarifications on Early Media.** Presented by Thomas Belling of Siemens.
- CONTENT:** Up to now, it was optional to open gates at the COPS authorisation decision, but no further hints on the usage of this option were provided. It is desirable to state the support of early media explicitly to make RCF and UE implementers aware of this issue.
- COMMENTS:** Nokia had some concerns with the impacts on other specifications, and asked to postpone the issue.
- RESULT:** The document was **POSTPONED to CN3#26 where it was revised.**
- N3-020768** **Information on ITU-T SG11 work on Q.1912.SIP, source Siemens AG**

**RESULT:** The document was **WITHDRAWN**.

**N3-020812** **UPDATED VERSION OF TS 29.163 FOLLOWING CN3#23, source Vodafone.**  
Presented by David Sanders of Vodafone.

**RESULT:** The document was **NOTED**.

### 10.3 Commonality and interoperability between IMSs

**N3-020814** **Discussion on access independence, source Lucent Technologies.** Presented by Nigel Berry of Lucent.

**CONTENT:** 3GPP CN plenary has approved the work item "Interoperability and Commonality between IP Multimedia Systems using different "IP-connectivity Networks"; stage 3". There is also a related SA2 work item description which was approved by the SA plenary.  
One of the functions of this work item description is to make it possible for 3GPP2 to reuse much of the 3GPP specifications for the documentation of the IM CN subsystem. The attached document (drafted as a contribution to SA2 for October - the owner of the parent work item description) provides an overview of the documentation for the IM CN subsystem and identifies those documents where work may best be performed in the area of access independence. This covering contribution invites working group CN3 to provide comments to the authors, such that those views may be taken into account in the SA2 discussion.

**COMMENTS:** Contains a draft contribution to SA2.

The attached document lists the following CN3 specifications:

1. *3GPP TS 29.162: Interworking between the IM CN subsystem and IP networks*
2. *3GPP TS 29.163: Interworking between the IM CN subsystem and CS networks*
3. *3GPP TS 29.207: Policy Control over Go Interface*
4. *3GPP TS 29.208: End-to-end Quality of Service (QoS) signalling flows*

**Proposals:** CN3 should confirm the proposed document listing and categorization.

CN3 should confirm the suggested terminology usage.

It was of concern that CN3 cannot officially comment on a companies (Lucent) contribution to another group (SA2).

Nigel replied that they wish CN3 to endorse the terminology and the list of specifications under their remit.

Norbert stated that CN3 always follow the terminology provided in the Stage 1 and 2 specifications. Many delegates thought it was up to SA2 to determine the terminology to be used. CN3 will follow the decisions from SA2 relating to new terminology.

CN3 agreed with the list of specifications that are effected (within CN3).

In addition we must include **TS 29.061 and 27.060**, but the definitive list depends on the agreed new terminology.

CN has already agreed to rename Packet Control Function (PCF) to Policy Decision Function (PDF) as conclusion of the CN Harmonisation workshop. It is up to interested companies to bring contributions to do this and to bring contributions to CN3.

**RESULT:** The document was **NOTED**.

### 10.4 Presence

No input

## 10.5 MBMS

No input

## 10.6 Other Rel-6 Work Items

- N3-020831**     **Support for AMR/AMR-WB on the Mn interface, source Siemens AG.**  
**RESULT:**     The document was **WITHDRAWN**.
- N3-020839**     **WID for Preferred Framing Protocol, source LM Ericsson.** Presented by Phil Hodges of Ericsson.  
**CONTENT:**     Contains the WID that has been revised to include out-of-band signalling procedures to be used within the CSs Domain of the PLMN.  
**COMMENTS:**   CN4 have seen this WID, and will agree it as long as CN3 endorse it.  
The originating company believes the work can be completed by CN#18. CN3 feel this end date is not very realistic.  
CN4 will take the lead on this WID.  
The CRs in CN4 have been postponed to the next meeting.  
CN3 endorse the content of this WID.  
**RESULT:**     The document was **ENDORSED**.
- N3-020818**     **CR 29.007: Preferred Framing Protocol, source LM Ericsson.** Presented by Phil Hodges of Ericsson.  
**CONTENT:**     Reference to stage 3 protocol (TS 29.205) and stage 2 procedures (23.205) are added.  
**COMMENTS:**   CN4 CR has not yet been agreed. CN3 will re-examine this CR in CN3#26.  
Javier Gonzalez Gallego [Nortel] asked to see some sort of discussion paper presenting the issue, before approving the CRs. Such a paper has already been seen in CN4, and comments received.  
*Thomas Belling [Siemens] took the action to present this discussion paper to CN3#26*  
**RESULT:**     The document was **POSTPONED to CN3#26 where it was revised**.
- N3-020778**     **WID: Release 6 version of dynamic control of DiffServ Edge Function, source Nortel Networks.** Presented by Javier Gonzalez Gallego.  
**COMMENTS:**   Nigel Berry [Lucent] stated that this WID should be a work task under the SA2 Building block for Rel-6.  
The history in the Justification is too detailed and not required.  
Some references to other work linked items are missing.  
Also E2EQoS UID is incorrect (relates to Rel-5 UID)  
We should also reference the SA2 Work item.  
The WID name will most probable be more general such as E2EQoS Stage 3 enhancements for Rel-6. This should include Diffserv, but also possibly some others.  
**RESULT:**     The document was **REJECTED**.
- N3-020829**     **Dynamic DiffServ issues for SA2, source Ericsson.** Presented by Ragnar Huslende of Ericsson.  
**CONTENT:**     Summary of the discussions for Diffserv in Rel-5. Intended as an input for Rel-6 discussions. Alternative proposal to the Nortel documents contained in N3-020798.



Also contains a draft LS to SA2.

**COMMENTS:** Nokia saw this as a very good overview and supported this LS.

Javier [Nortel] saw many similarities to the Nortel paper. However, he proposed asking more precise questions to SA2. We should not be asking SA2 'what is the benefit' of DiffServ.

Ragnar replied that this statement is because there may be alternative mechanisms, and CN3 need to understand the benefits of each solution.

David MCC suggested sending an output LS from this meeting to SA2, and request some sort of input to the CN3#26 meeting in Bangkok. It is possible that someone from SA2 present the information to CN3 in Bangkok as SA2 are also co-located during that week.

A revised LS was drafted [N3-020868].

**RESULT:** The document was **NOTED**.

**N3-020868** **LS on SBLP control of DiffServ.** Presented by Ragnar Huslende of Ericsson.

**CONTENT:** Summary of the discussions for DiffServ in Rel-5. Intended as an input for Rel-6 discussions. This document is a merge of the contents of the proposed LSs from Ericsson and Nortel.

**RESULT:** The document was **APPROVED**.

**N3-020798** **Release 6 version of dynamic control of DiffServ Edge Function. source Nortel Networks.** Presented by Javier Gonzalez Gallego.

**CONTENT:** The intention of this discussion paper is:

- Present Dynamic control of DiffServ functionality in Release 6 and be the base to the introduction a new WID (N3-020778) to deal with this task.
- A first draft for Release 6 TS 29.207, including this functionality, is presented in another contribution as a starting point.
- Summarize the most important concerns rose during Release 5 discussions,
- Study if new requirements are needed arising from our Release 5 discussions, and if necessary, liaise with SA2.

**COMMENTS:** **DISCUSSION DOCUMENT:** Thomas Belling [Siemens] support contacting SA2 for guidance on this matter.

There is an existing WID in SA2, and CN3 should align their work with that.

Nortel wish to re-use the work that was done during Rel-5 as a starting point for Rel-6.

Ragnar Huslende [Ericsson] reminded the meeting that CN3 rejected the addition of DiffServ to out Rel-5 specifications following an email discussion. SA2 have also carried out an email discussion to remove the functionality from the stage 2 for Rel-5. This remove of stage 2 elements is not yet complete.

Ericsson and Siemens felt it was premature to start work in CN3 on DiffServ for Rel-6, and we should wait guidance from SA2 on this matter. SA2 are still in the initial stages of agreeing WIDs for this work.

Ragnar Huslende [Ericsson] had some concerns that there may be some other function that need to be considered in addition to DiffServ.

SA2 are making a feasibility study on this work, but this is still in the early stages. We can only derive the stage 3 work from this, and it is not possible from the SA2 WID.

Nokia supported investigating a possible dependency on SA2's work item "Dynamic policy control enhancements for e2e QoS" and seeking guidance from SA2 on the issue of DiffServ for Rel-6.



Javier [Nortel] did not agree with delaying the Rel-6 work as the Rel-6 deadline is not that far away. He supported progressing work, via discussions, although we may not be able to agree CRs to our specification before we receive guidance from SA2.

Ericsson and Siemens agreed to the proposal to send a LS to SA2 including the discussion CN3 have already had on Diffserv.

The Nortel proposal for the draft LS was attached to this discussion document.

#### **DRAFT LS to SA2**

Ericsson have an alternative LS contained in N3-020829. Ericsson felt that the list contained in the LS was not complete. Nokia and Siemens supported this view.

**RESULT:** The document was **NOTED**.

**N3-020834** **CR 29.207: DiffServ Edge Function, source Nortel Networks.** Presented by Javier Gonzalez Gallego.

**COMMENTS:** Too early to examine this CR in detail

**RESULT:** The document was **NOTED**.

**N3-020875** **WID on " Mp (MRFC - MRFP) interface protocol definitions ", source Nokia.** Presented by Juha Räsänen of Nokia.

**CONTENT:** Contains the WID on Multimedia Resource Function Controller (MRFC) – Multimedia Resource Function Processor (MRFP) Mp Interface. WID leadership is CN4, but CN3 may have some involvement.

**COMMENTS:** Transcoding issue may need to be examined within CN3.

New TS has prime responsibility in CN4 and secondary responsibility in CN3. This means CRs need to be endorsed by CN3 and agreed in CN4. This should be avoided. It is better to mention the impact on CN3 in the comment's column.

**RESULT:** The document was **NOTED**.

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## **11 Joint sessions**

No Joint sessions were held.

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## **12 Work Organization**

### **12.1 Work Plan Review**

**N3-020752:** **3GPP Project Plan, source MCC.** Presented by David Boswarthick of MCC.

**DISCUSSION:** The document was not available. To be discussed in CN3#26 meeting before being presented to CN#18 Plenary.

**RESULT:** The document was **WITHDRAWN**.

### **12.2 Specification Review**

**N3-020753** **Status of CN3 specifications following SA#17, source MCC.** Presented by David Boswarthick of MCC.

**RESULT:** The document was **NOTED**

### 12.3 Next meetings, allocation of hosts

| Oct 2002                            |    |                  |                                     |    |  |
|-------------------------------------|----|------------------|-------------------------------------|----|--|
| <a href="#">3GPPCN1-Rel-6 adhoc</a> | AH | 22 - 24 Oct 2002 | Munich                              | DE |  |
| <a href="#">3GPPCN5#21</a>          | WG | 28 - 31 Oct 2002 | Dublin                              | IE |  |
| Nov 2002                            |    |                  |                                     |    |  |
| Joint CN WG Meeting (CN1, 2, 3, 4)  | WG | 11 - 15 Nov 2002 | Bangkok                             | TH |  |
| Dec 2002                            |    |                  |                                     |    |  |
| <a href="#">3GPPCN-#18</a>          | OR | 4 - 6 Dec 2002   | New Orleans                         | US |  |
| Feb 2003                            |    |                  |                                     |    |  |
| Joint CN WG Meeting (CN1, 2, 3, 4)  | WG | 10 - 14 Feb 2003 | Dublin [Ireland]                    |    |  |
| Mar 2003                            |    |                  |                                     |    |  |
| <a href="#">3GPPCN-#19</a>          | OR | 12 - 14 Mar 2003 | <i>Jersey Island [Possibly NOT]</i> | UK |  |
| May 2003                            |    |                  |                                     |    |  |
| Joint CN WG Meeting (CN1, 2, 3, 4)  | WG | 19 - 23 May 2003 | <i>Somewhere, NA Friends</i>        |    |  |
| Jun 2003                            |    |                  |                                     |    |  |
| <a href="#">3GPPCN-#20</a>          | OR | 4 - 6 Jun 2003   | HAMEENLINNA                         | FI |  |
| Aug 2003                            |    |                  |                                     |    |  |
| Joint CN WG Meeting (CN1, 2, 3, 4)  | WG | 18 - 22 Aug 2003 | Sophia, ETSI                        | FR |  |
| Sep 2003                            |    |                  |                                     |    |  |
| <a href="#">3GPPCN-#21</a>          | OR | 17 - 19 Sep 2003 | [most probably Berlin] DE           | DE |  |
| Oct 2003                            |    |                  |                                     |    |  |
| Joint CN WG Meeting (CN1, 2, 3, 4)  | WG | 27 - 31 Oct 2003 | China, Ericsson                     | CN |  |
| Dec 2003                            |    |                  |                                     |    |  |
| <a href="#">3GPPCN-#22</a>          | OR | 10 - 12 Dec 2003 | Hawaii, USA                         | US |  |

### 12.4 Election of Vice Chairmen

#### N3-020810 Candidate for Daisuke Yokota Lucent Technologies

**COMMENTS:** Mr Yokota indicated by email that he wished to withdraw his candidature for V.chair at this meeting due to last minute decisions in the company that did not allowed him to come to the meeting.

No other Candidates presented themselves.

The election was therefore not held.

**RESULT:** The document was **WITHDRAWN**.

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## 13 Summary of results

### 13.1 Work Items

No WIDs were agreed by CN3, to be sent to the next TSG-CN Plenary for Approval:

### 13.2 Liaison Statements

The following LSs were approved by CN3. Will be presented to the next TSG-CN Plenary for info:

| TDoc #    | Tdoc Title  | LS to                 | LS cc | LS Attachment |
|-----------|---|-----------------------|-------|---------------|
| N3-020838 | Reply LS on CS data services for GERAN Iu-mode      | SA2, GERAN2, CN1, CN4 | -     | N3-020786     |
| N3-020881 | LS on Review of TR on 3GPP SIP Profile interworking | CN1                   | -     | N3-020880     |
| N3-020860 | LS on SCUDIF and Lawful Interception                | SA3-LI                | -     | N3-020816     |
| N3-020868 | LS on SBLP control of DiffServ                      | SA2                   | SA5   | -             |
| N3-020878 | LS on Interworking between SIP/SDP and BICC/ISUP    | CN, ITU-T Ad Hoc      | -     | N3-020813     |

### **5** LSs agreed at this meeting

### 13.3 TRs / TSs

No TR/TSs were agreed by CN3, and are to be sent to the next TSG-CN Plenary for Approval:

## 13.4 Change Requests

The following CRs were agreed by CN3, and are to be sent to the next TSG-CN Plenary for Approval:

| Tdoc      | Title  | Spec   | CR  | Rev | Cat | Rel   | C_Ver  | Work Item     |
|-----------|--|--------|-----|-----|-----|-------|--------|---------------|
| N3-020816 | Lawful Interception For SCUDIF                               | 23.172 | 001 |     | F   | Rel-5 | 5.0.0  | SCUDIF        |
| N3-020801 | CS Data Services (including HSCSD and EDGE) for GERAN lu     | 23.910 | 039 | 1   | B   | Rel-5 | 5.1.0  | GERAN lu mode |
| N3-020847 | Usage of lu UP in support mode in core network               | 23.910 | 042 | 1   | A   | Rel-5 | 5.1.0  | CSSSPLIT      |
| N3-020846 | Usage of lu UP in support mode in core network               | 23.910 | 043 | 1   | F   | Rel-4 | 4.5.0  | CSSSPLIT      |
| N3-020802 | CS Data Services (including HSCSD and EDGE) for GERAN lu     | 24.022 | 007 | 1   | B   | Rel-5 | 5.0.0  | GERAN lu mode |
| N3-020804 | CS Data Services (including HSCSD and EDGE) for GERAN lu     | 27.001 | 081 | 1   | B   | Rel-5 | 5.2.0  | GERAN lu mode |
| N3-020843 | IMS related functions for the UE                             | 27.060 | 028 | 1   | F   | Rel-5 | 5.2.0  | E2EQoS        |
| N3-020803 | CS Data Services (including HSCSD and EDGE) for GERAN lu     | 29.007 | 056 | 1   | B   | Rel-5 | 5.3.0  | GERAN lu mode |
| N3-020844 | Usage of lu UP in support mode in core network               | 29.007 | 057 | 1   | F   | Rel-4 | 4.5.0  | CSSSPLIT      |
| N3-020845 | Usage of lu UP in support mode in core network               | 29.007 | 058 | 1   | A   | Rel-5 | 5.3.0  | CSSSPLIT      |
| N3-020811 | Correction on mapping of BC-IE                               | 29.007 | 059 |     | F   | Rel-5 | 5.3.0  | TEI           |
| N3-020841 | Correction on mapping of BC-IE                               | 29.007 | 062 |     | F   | R99   | 3.10.0 | TEI           |
| N3-020842 | Correction on mapping of BC-IE                               | 29.007 | 063 |     | A   | Rel-4 | 4.5.0  | TEI           |
| N3-020769 | Correction of Radius Accounting Update figure                | 29.061 | 064 |     | F   | R99   | 3.10.0 | TEI [GPRS]    |
| N3-020770 | Correction of Radius Accounting Update figure                | 29.061 | 065 |     | A   | Rel-4 | 4.5.0  | TEI [GPRS]    |
| N3-020771 | Correction of Radius Accounting Update figure                | 29.061 | 066 |     | A   | Rel-5 | 5.2.1  | TEI [GPRS]    |
| N3-020867 | Validating binding information against the UE                | 29.207 | 034 | 1   | F   | Rel-5 | 5.1.0  | E2EQoS        |
| N3-020776 | Go PIB revision and update                                   | 29.207 | 035 |     | F   | Rel-5 | 5.1.0  | E2EQoS        |
| N3-020876 | Clarification on Flow identifier coding                      | 29.207 | 041 | 2   | F   | Rel-5 | 5.1.0  | E2EQoS        |
| N3-020826 | Clarifications on GGSN messages                              | 29.207 | 045 |     | F   | Rel5  | 5.1.0  | E2EQoS        |
| N3-020848 | Clarification on multiple codecs                             | 29.207 | 047 | 1   | F   | Rel-5 | 5.1.0  | E2EQoS        |
| N3-020849 | Clarification of Diffserv class and Diffserv PHB terminology | 29.207 | 048 |     | F   | Rel-5 | 5.1.0  | E2EQoS        |
| N3-020877 | Go PIB revision and update                                   | 29.207 | 050 |     | F   | Rel-5 | 5.1.0  | E2EQoS        |
| N3-020852 | QoS mapping in the case of forking                           | 29.208 | 009 | 1   | F   | Rel5  | 5.1.0  | E2eQoS        |
| N3-020866 | Terminology in TS 29.208 in line with TS 29.207and           | 29.208 | 010 | 2   | F   | Rel5  | 5.1.0  | E2eQoS        |
| N3-020800 | CS Data Services (including HSCSD and EDGE) for GERAN lu     | 43.010 | 007 | 1   | B   | Rel-5 | 5.1.0  | GERAN lu mode |
| N3-020805 | CS Data Services (including HSCSD and EDGE) for GERAN lu     | 44.021 | 004 | 1   | B   | Rel-5 | 5.1.0  | GERAN lu mode |

### 27 CRs AGREED at this meeting

## 13.5 Other

None in this meeting.

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## **14 Any other business**

The election of a CN3 V.chair will be examined and a future election announced when deemed necessary.

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## **15 Close of meeting**

Norbert closed the 25<sup>th</sup> CN3 meeting on Friday 27<sup>th</sup> September at 11:30, and thanked the hosts for the excellent meeting location and arrangements.

He also thanked the CN3 delegates and the MCC support for their active participation in the meeting.

## Annex A: List of CN3 Meeting Participants

The following delegates attended the meeting.

|                             |                          |                   |                      |  |
|-----------------------------|--------------------------|-------------------|----------------------|--|
| Mr. Arturo Arreaga          | Rogers Wireless Inc.     | 3GPPMEMBER (T1)   | +1 (416) 935-7659    | <a href="mailto:aarreaga@rci.rogers.com">aarreaga@rci.rogers.com</a> |
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| Mrs. Linda Chong Chauvot    | France Telecom           | 3GPPMEMBER (ETSI) | +33 01 45 29 45 50   | linda.chong@rd.francetelecom.com                                     |
| Mr. Reidar Ericsson         | ERICSSON L.M.            | 3GPPMEMBER (ETSI) | +4646232832          | reidar.ericsson@emp.ericsson.se                                      |
| Mr. Javier Gonzalez Gallego | NORTEL NETWORKS (EUROPE) | 3GPPMEMBER (ETSI) | +441628432000        | ggfj@nortelnetworks.com  |
| Miss Constance Guilleray    | ORANGE FRANCE            | 3GPPMEMBER (ETSI) | +33 1 45 29 62 08    | constance.guilleray@rd.francetelecom.com                             |
| Mr. Stephen Hayes           | Ericsson Inc.            | 3GPPMEMBER (T1)   | +1 972 583 5773      | stephen.hayes@ericsson.com   |
| Mr. Phil Hodges             | ERICSSON L.M.            | 3GPPMEMBER (ETSI) | +61 404069546        | philip.hodges@ericsson.com.au  |
| Mr. Nigel Holland           | mmO2 plc                 | 3GPPMEMBER (ETSI) | +44 1473 782225      | nigel.holland@o2.com   |
| Dr. Ragnar Huslende         | ERICSSON L.M.            | 3GPPMEMBER (ETSI) | +47 452 49237        | ragnar.huslende@ericsson.no  |
|                             |                          |                   |                      |  |
| Mr. Yukio Kawanami          | NEC Corporation          | 3GPPMEMBER (TTC)  | +81 471 85 6706      | kawanami@cj.jp.nec.com   |
| Mr. Norbert Klehn           | SIEMENS AG               | 3GPPMEMBER (ETSI) | +49 30 386 29090     | norbert.klehn@icn.siemens.de   |
| Miss Daniela Makovec        | T-Mobile AUSTRIA         | 3GPPMEMBER (ETSI) | +43 1 795 85 5046    | daniela.makovec@t-mobile.at  |
| Mr. Idreas Mir              | QUALCOMM EUROPE S.A.R.L. | 3GPPMEMBER (ETSI) | +1 858-651-8333      | imir@qualcomm.com  |
| Mr. Francesco Pica          | TELECOM ITALIA S.p.A.    | 3GPPMEMBER (ETSI) | +39 04 228 5125      | francesco.pica@tilab.com   |
| Mr. Juha Räsänen            | NOKIA Corporation        | 3GPPMEMBER (ETSI) | +358 40 543 9058     | juha.a.rasanen@nokia.com   |
| Mr. Hans Ronneke            | ERICSSON L.M.            | 3GPPMEMBER (ETSI) | +46 31 344 6293      | hans.ronneke@ericsson.com  |
| Mr. David Sanders           | VODAFONE LTD             | 3GPPMEMBER (ETSI) | +44 (0) 16356 676684 | dave.sanders@vodafone.co.uk  |
| Miss Dana Schneider         | Vodafone D2 GmbH         | 3GPPMEMBER (ETSI) | +49 211 533 2856     | dana.schneider@vodafone.com  |
| Mr. Anand Virani            | Juniper Networks         | 3GPPMEMBER (T1)   | +1-408-936-2650      | avirani@juniper.net  |
| Mrs. Johanna Wild           | MOTOROLA Ltd             | 3GPPMEMBER (ETSI) | +49 89 92103 177     | johanna.wild@motorola.com  |
| Mr. Hatef Yamini            | Hutchison 3G UK Limited  | 3GPPMEMBER (ETSI) | +44 7900823015       | Hatef.Yamini@Hutchison3G.com   |
| Mr. Takuya Yashiro          | NEC Corporation          | 3GPPMEMBER (TTC)  | +81 11 210 7528      | yashiro@ncos.nec.co.jp   |

**23 attendees at this meeting**

## Annex B: List of documents

| Tdoc      | Type       | Title   | Source           | WI | Spec   | CR # | Rev | Cat | Rel   | Status     |
|-----------|------------|---|------------------|----|--------|------|-----|-----|-------|------------|
| N3-020746 | DAD        | Allocation of documents to agenda items (at start of day y) | CN3 chair        |    |        |      |     |     |       | Noted      |
| N3-020747 | DAD        | Allocation of documents to agenda items (at deadline)       | CN3 Chair        |    |        |      |     |     |       | Noted      |
| N3-020748 | DAD        | Allocation of documents to agenda items (at start of day 1) | CN3 Chair        |    |        |      |     |     |       | Noted      |
| N3-020749 | DAD        | Allocation of documents to agenda items (at start of day x) | CN3 Chair        |    |        |      |     |     |       | Noted      |
| N3-020750 | Agenda     | Draft agenda for CN3#25 (Miami)                             | CN3 Chair        |    |        |      |     |     |       | Approved   |
| N3-020751 | DAD        | Allocation of documents to agenda items (at start of day z) | CN3 Chair        |    |        |      |     |     |       | Noted      |
| N3-020752 | WORK PLAN  | Latest Version of the 3GPP Work Plan                        | MCC              |    |        |      |     |     |       | Withdrawn  |
| N3-020753 | LIST       | Status of CN3 specifications following SA#17                | MCC              |    |        |      |     |     |       | Noted      |
| N3-020754 | Report     | Draft report from CN3#24 (Helsinki)                         | MCC              |    |        |      |     |     |       | Approved   |
| N3-020755 | Report     | Draft report from NP#17                                     | MCC              |    |        |      |     |     |       | Noted      |
| N3-020756 | Report     | Draft report from SA#17                                     | MCC              |    |        |      |     |     |       | Withdrawn  |
| N3-020757 | Report     | Slides from CN#17 to SA#17                                  | CN Chair         |    |        |      |     |     |       | Noted      |
| N3-020758 | email      | Notice to CN3 following NP#17 meeting                       | CN3 chair        |    |        |      |     |     |       | Noted      |
| N3-020759 | TR         | Updated TR on 3PP SIP Profile interworking                  | Siemens [Thomas] |    |        |      |     |     |       | Withdrawn  |
| N3-020760 | [CR]       | Rename IMS Mc interface                                     | Siemens [Thomas] |    | 29.163 |      |     |     | Rel-6 | Withdrawn  |
| N3-020761 | Discussion | Considerations on the Support of the AMR Codec              | Siemens [Thomas] |    |        |      |     |     |       | Noted      |
| N3-020762 | Discussion | Usage of lu UP in support mode in core network              | Siemens [Thomas] |    |        |      |     |     |       | Not Agreed |

|           |            |  |                  |            |        |     |  |   |       |                      |
|-----------|------------|--|------------------|------------|--------|-----|--|---|-------|----------------------|
| N3-020763 | CR         | Usage of lu UP in support mode in core network                   | Siemens [Thomas] |            | 29.007 | 057 |  | F | Rel-4 | Revised in N3-020844 |
| N3-020764 | CR         | Usage of lu UP in support mode in core network                   | Siemens [Thomas] |            | 29.007 | 058 |  | A | Rel-5 | Revised in N3-020845 |
| N3-020765 | CR         | Usage of lu UP in support mode in core network                   | Siemens [Thomas] |            | 23.910 | 043 |  |   | Rel-4 | Revised in N3-020846 |
| N3-020766 | CR         | Usage of lu UP in support mode in core network                   | Siemens [Thomas] |            | 23.910 | 042 |  |   | Rel-5 | Revised in N3-020847 |
| N3-020767 | Discussion | Support of early media if interworking between IMS and ISUP/BICC | Siemens [Thomas] |            |        |     |  |   |       | Noted                |
| N3-020768 | Discussion | Information on ITU-T SG11 work on Q.1912.SIP                     | Siemens [Thomas] |            |        |     |  |   |       | Withdrawn            |
| N3-020769 | CR         | Correction of Radius Accounting Update figure                    | Ericsson         | TEI [GPRS] | 29.061 | 064 |  | F | R99   | Agreed               |
| N3-020770 | CR         | Correction of Radius Accounting Update figure                    | Ericsson         | TEI [GPRS] | 29.061 | 065 |  | A | Rel-4 | Agreed               |
| N3-020771 | CR         | Correction of Radius Accounting Update figure                    | Ericsson         | TEI [GPRS] | 29.061 | 066 |  | A | Rel-5 | Agreed               |
| N3-020772 | CR         | Validating binding information against the UE                    | Nortel Networks  | E2E QoS    | 29.207 | 034 |  | F | Rel-5 | Revised in N3-020867 |
| N3-020773 | CR         | Policy Elements  | Nortel Networks  | E2E QoS    | 29.207 | 036 |  | F | Rel-5 | Postponed to CN3#26  |
| N3-020774 | Discussion | Interaction between GGSN Diffserv functions and Charging         | Nortel Networks  |            |        |     |  |   |       | Noted                |
| N3-020775 | CR         | IANA number  | Nortel Networks  | E2E QoS    | 29.207 | 037 |  | F | Rel-5 | Postponed to CN3#26  |
| N3-020776 | CR         | Go PIB revision and update                                       | Nortel Networks  | E2EQoS     | 29.207 | 035 |  | F | Rel-5 | Agreed               |
| N3-020777 | CR         | Update reference [11]  | Nortel Networks  | E2E QoS    | 29.207 | 038 |  | F | Rel-5 | Withdrawn            |
| N3-020778 | WID        | Release 6 version of dynamic control of DiffServ Edge Function.  | Nortel Networks  |            |        |     |  |   |       | Rejected             |
| N3-020779 | CR         | Handling of binding information by GGSN                          | Nokia            | E2EQoS     | 29.061 | 067 |  | F | Rel-5 | Revised in N3-020862 |
| N3-020780 | CR         | Handling of binding information by GGSN                          | Nokia            | E2EQoS     | 29.207 | 039 |  | F | Rel-5 | Revised in N3-020863 |
| N3-020781 | CR         | Connection failure between PCF and GGSN                          | Nokia            | E2EQoS     | 29.207 | 040 |  | F | Rel-5 | Revised in N3-020864 |



|           |            |   |                 |               |        |     |   |   |       |                      |
|-----------|------------|---|-----------------|---------------|--------|-----|---|---|-------|----------------------|
| N3-020782 | CR         | IMS related functions for the UE  | Nokia, Ericsson | E2EQoS        | 27.060 | 028 |   | F | Rel-5 | Revised in N3-020843 |
| N3-020783 | LS in      | Re. LS on the wildcarding of source IP addresses and port numbers in the PCF for the packet classifier [N1-021757]  | CN1             |               |        |     |   |   |       | Noted                |
| N3-020784 | LS in      | Liaison Statement on Multiple Codecs [N1-021849]  | CN1             |               |        |     |   |   |       | Noted                |
| N3-020785 | LS in      | Re. LS on "Distribution of IMS Charging ID (ICID) from PCF/P-CSCF to GGSN" [S2-022604]  | SA2             |               |        |     |   |   |       | Noted                |
| N3-020786 | LS in      | LS on CS data services for GERAN lu-mode [S2-022625]  | SA2             |               |        |     |   |   |       | Noted                |
| N3-020787 | LS in      | Re. LS RTP / RTCP split for Rel-5 [S2-022627]   | SA2             |               |        |     |   |   |       | Noted                |
| N3-020788 | LS in      | Re. LS on Subscribed Media Parameter [S2-022634]  | SA2             |               |        |     |   |   |       | Noted                |
| N3-020789 | LS in      | Re. LS on "Media grouping" [S2-022640]  | SA2             |               |        |     |   |   |       | Noted                |
| N3-020790 | LS in      | Re. on "Proposed solutions for the identification of source IP address information over the Go interface" [S2-022621]                                     | SA2             |               |        |     |   |   |       | Noted                |
| N3-020791 | LS in      | Re. LS on Request for clarification related to raised questions regarding "Exchange of addresses on lu-CS using IP Transport Option in Release 5" [N4-    | CN4             |               |        |     |   |   |       | Noted                |
| N3-020792 | LS in      | Re. to Liaison Statement "on Request for clarification related to raised questions regarding "Exchange of addresses on lu-CS using IP Transport Option in | RAN3            |               |        |     |   |   |       | Noted                |
| N3-020793 | LS in      | LS on Subscribed Media Parameter [N4-021107]  | CN4             |               |        |     |   |   |       | Noted                |
| N3-020794 | LS in      | LS on Request for DNS server address by SM procedure [N1-021834]  | CN1             |               |        |     |   |   |       | Noted                |
| N3-020795 | LS in      | LS on Media grouping [N1-021782]  | CN1             |               |        |     |   |   |       | Noted                |
| N3-020796 | LS in      | Liaison Statement on Interoperability Issues and SIP in IMS [NP-020393]   | CN [IETF]       |               |        |     |   |   |       | Noted                |
| N3-020797 | CR         | Clarification on Flow identifier coding   | Nortel Networks | E2E QoS       | 29.207 | 041 |   | F | Rel-5 | Revised in N3-020872 |
| N3-020798 | Discussion | Release 6 version of dynamic control of DiffServ Edge Function.   | Nortel Networks |               |        |     |   |   |       | Noted                |
| N3-020799 | email      | e-mail on CN/SA highlites   | CN Chair        |               |        |     |   |   |       | Noted                |
| N3-020800 | CR         | CS Data Services (including HSCSD and EDGE) for GERAN lu mode   | Siemens AG      | GERAN lu mode | 43.010 | 007 | 1 | B | Rel-5 | Agreed               |

|           |            |  |                     |               |        |     |   |   |       |                      |
|-----------|------------|--|---------------------|---------------|--------|-----|---|---|-------|----------------------|
| N3-020801 | CR         | CS Data Services (including HSCSD and EDGE) for GERAN lu mode              | Siemens AG          | GERAN lu mode | 23.910 | 039 | 1 | B | Rel-5 | Agreed               |
| N3-020802 | CR         | CS Data Services (including HSCSD and EDGE) for GERAN lu mode              | Siemens AG          | GERAN lu mode | 24.022 | 007 | 1 | B | Rel-5 | Agreed               |
| N3-020803 | CR         | CS Data Services (including HSCSD and EDGE) for GERAN lu mode              | Siemens AG          | GERAN lu mode | 29.007 | 056 | 1 | B | Rel-5 | Agreed               |
| N3-020804 | CR         | CS Data Services (including HSCSD and EDGE) for GERAN lu mode              | Siemens AG          | GERAN lu mode | 27.001 | 081 | 1 | B | Rel-5 | Agreed               |
| N3-020805 | CR         | CS Data Services (including HSCSD and EDGE) for GERAN lu mode              | Siemens AG          | GERAN lu mode | 44.021 | 004 | 1 | B | Rel-5 | Agreed               |
| N3-020806 | CR         | CS Data Services (including HSCSD and EDGE) for GERAN lu mode              | Siemens AG          | GERAN lu mode | 48.020 | 003 | 1 | B | Rel-5 | Revised in N3-020854 |
| N3-020807 | CR         | Clarification on use of charging correlation information                   | NEC                 | E2EQoS        | 29.207 | 042 |   | F | Rel-5 | Revised in N3-020851 |
| N3-020808 | CR         | Clarification on PIB regarding the use of charging correlation information | NEC                 | E2EQoS        | 29.207 | 043 |   | F | Rel-5 | Withdrawn            |
| N3-020809 | LS in      | Reply LS on Media grouping [NP-020480]                                     | CN                  |               |        |     |   |   |       | Noted                |
| N3-020810 | letter     | Candidate for Daisuke Yokota   | Lucent              |               |        |     |   |   |       | Withdrawn            |
| N3-020811 | CR         | Correction on mapping of BC-IE   | H3G                 | TEI           | 29.007 | 059 |   | F | Rel-5 | Agreed               |
| N3-020812 | INFO       | UPDATED VERSION OF TS 29.163 FOLLOWING CN#23                               | Vodafone            |               |        |     |   |   |       | Not Agreed           |
| N3-020813 | INFO       | Status report of work in ITU-T SG11  | Vodafone            |               |        |     |   |   |       | Not Agreed           |
| N3-020814 | Discussion | Discussion on access independence  | Lucent Technologies |               |        |     |   |   |       | Noted                |
| N3-020815 | CR         | Service Change Procedure   | LM Ericsson         | SCUDIF        | 23.172 | 004 |   | F | Rel-5 | Revised in N3-020941 |
| N3-020816 | CR         | Lawful Interception For SCUDIF   | LM Ericsson         | SCUDIF        | 23.172 | 001 |   | F | Rel-5 | Agreed               |
| N3-020817 | Discussion | Inter-MSR Relocation For SCUDIF  | LM Ericsson         |               |        |     |   |   |       | Noted                |
| N3-020818 | CR         | Preferred Framing Protocol   | LM Ericsson         | ???           | 29.007 | 061 |   | B | Rel-6 | Revised in N3-020951 |
| N3-020819 | CR         | Speech codec selection for SCUDIF calls                                    | LM Ericsson         | SCUDIF        | 23.172 | 002 |   | F | Rel-5 | Revised in N3-020939 |

|           |            |  |                 |           |        |     |  |   |       |                      |
|-----------|------------|--|-----------------|-----------|--------|-----|--|---|-------|----------------------|
| N3-020820 | CR         | Mobile originating BC handling for SCUDIF calls                      | LM Ericsson     | SCUDIF    | 23.172 | 003 |  | F | Rel-5 | Revised in N3-020858 |
| N3-020821 | CR         | Mobile originating BC handling for SCUDIF calls                      | LM Ericsson     | SCUDIF    | 27.001 | 082 |  | F | Rel-5 | Revised in N3-020857 |
| N3-020822 | CR         | Mobile originating BC handling for SCUDIF calls                      | LM Ericsson     | SCUDIF    | 29.007 | 060 |  | F | Rel-5 | Revised in N3-020859 |
| N3-020823 | CR         | Mapping IMS media flows to PDP contexts                              | LM Ericsson     | E2eQoS    | 27.060 | 029 |  | F | Rel5  | Withdrawn            |
| N3-020824 | CR         | Editorial improvements in TS 29.208                                  | LM Ericsson     | E2eQoS    | 29.208 | 010 |  | F | Rel5  | Revised in N3-020850 |
| N3-020825 | CR         | QoS mapping in the case of forking                                   | LM Ericsson     | E2eQoS    | 29.208 | 009 |  | F | Rel5  | Revised in N3-020852 |
| N3-020826 | CR         | Clarifications on GGSN messages                                      | LM Ericsson     | E2EQoS    | 29.207 | 045 |  | F | Rel5  | Agreed               |
| N3-020827 | CR         | Remove binding information in DEC message                            | LM Ericsson     | E2eQoS    | 29.208 | 011 |  | F | Rel5  | Withdrawn            |
| N3-020828 | CR         | Validating binding information against the UE                        | LM Ericsson     | E2eQoS    | 29.207 | 044 |  | F | Rel5  | Withdrawn            |
| N3-020829 | Discussion | Dynamic DiffServ issues for SA2                                      | LM Ericsson     |           |        |     |  |   |       | Noted                |
| N3-020830 | CR         | Mapping of SDP parameters to Authorized IP QoS parameters in the PCF | Orange France   | E2E QoS   | 29.208 | 012 |  | F | Rel-5 | Revised in N3-020853 |
| N3-020831 | Discussion | Support for AMR/AMR-WB on the Mn interface                           | Siemens AG      |           |        |     |  |   |       | Withdrawn            |
| N3-020832 | [CR]       | Rename IMS Mc interface  | Siemens AG      | IW IMS CS | 29.163 |     |  | D | Rel-6 | Revised in N3-020855 |
| N3-020833 | TR         | Updated TR on 3GPP SIP profile interworking                          | Siemens AG      |           |        |     |  |   |       | Revised in N3-020879 |
| N3-020834 | CR         | Dynamic control of Diffserv function in release 6                    | Nortel Networks | QoS1      | 29.207 | 046 |  | B | Rel-6 | Noted                |
| N3-020835 | LS in      | Response LS on Security enhancements for GERAN [GP-022819]           | GERAN           |           |        |     |  |   |       | Noted                |
| N3-020836 | CR         | Clarification on multiple codecs                                     | Juha, Nokia     | E2EQoS    | 29.207 | 047 |  | F | Rel-5 | Revised in N3-020848 |
| N3-020837 | LS out     | Distribution of IMS Charging ID (ICID) from PCF/P-CSCF to GGSN       | Hans, Ericsson  |           |        |     |  |   |       | Withdrawn            |
| N3-020838 | LS out     | Reply LS on CS data services for GERAN lu-mode                       | CN3             |           |        |     |  |   |       | Approved             |

|           |        |  |                  |               |        |     |   |   |       |  |                      |
|-----------|--------|--|------------------|---------------|--------|-----|---|---|-------|--|----------------------|
| N3-020839 | WID    | WID preferred framing protocol   | Phil, Ericsson   |               |        |     |   |   |       |  | Endorsed             |
| N3-020840 | LS in  | Response to IETF LS on Interoperability Issues and SIP in IMS [SP-020627]  | SA               |               |        |     |   |   |       |  | Noted                |
| N3-020841 | CR     | Correction on mapping of BC-IE   | H3G              | TEI           | 29.007 | 062 |   | F | R99   |  | Agreed               |
| N3-020842 | CR     | Correction on mapping of BC-IE   | H3G              | TEI           | 29.007 | 063 |   | A | Rel-4 |  | Agreed               |
| N3-020843 | CR     | IMS related functions for the UE   | Nokia, Ericsson  | E2EQoS        | 27.060 | 028 | 1 | F | Rel-5 |  | Agreed               |
| N3-020844 | CR     | Usage of lu UP in support mode in core network   | Siemens [Thomas] | CSSSPLIT      | 29.007 | 057 | 1 | F | Rel-4 |  | Agreed               |
| N3-020845 | CR     | Usage of lu UP in support mode in core network   | Siemens [Thomas] | CSSSPLIT      | 29.007 | 058 | 1 | A | Rel-5 |  | Agreed               |
| N3-020846 | CR     | Usage of lu UP in support mode in core network   | Siemens [Thomas] | CSSSPLIT      | 23.910 | 043 | 1 | F | Rel-4 |  | Agreed               |
| N3-020847 | CR     | Usage of lu UP in support mode in core network   | Siemens [Thomas] | CSSSPLIT      | 23.910 | 042 | 1 | A | Rel-5 |  | Agreed               |
| N3-020848 | CR     | Clarification on multiple codecs   | Juha, Nokia      | E2EQoS        | 29.207 | 047 | 1 | F | Rel-5 |  | Agreed               |
| N3-020849 | CR     | Clarification of Diffserv class and Diffserv PHB terminology   | Javier, Nortel   | E2EQoS        | 29.207 | 048 |   | F | Rel-5 |  | Agreed               |
| N3-020850 | CR     | Terminology in TS 29.208 in line with TS 29.207, correction of signalling flow diagrams, correction of a rule and Editorial improvements | LM Ericsson      | E2eQoS        | 29.208 | 010 | 1 | F | Rel5  |  | Revised in N3-020866 |
| N3-020851 | CR     | Clarification on use of charging correlation information   | NEC              | E2EQoS        | 29.207 | 042 | 1 | F | Rel-5 |  | Not agreed           |
| N3-020852 | CR     | QoS mapping in the case of forking   | LM Ericsson      | E2eQoS        | 29.208 | 009 | 1 | F | Rel5  |  | Agreed               |
| N3-020853 | CR     | Mapping of SDP parameters to Authorized IP QoS parameters in the PCF   | Orange France    | E2E QoS       | 29.208 | 012 | 1 | F | Rel-5 |  | Withdrawn            |
| N3-020854 | CR     | CS Data Services (including HSCSD and EDGE) for GERAN lu mode  | Siemens AG       | GERAN lu mode | 48.020 | 003 | 2 | B | Rel-5 |  | Revised in N3-020861 |
| N3-020855 | LS out | ITU-T position paper   | Dave Sanders     |               |        |     |   |   |       |  | Revised in N3-020878 |
| N3-020856 | [CR]   | Rename IMS Mc interface  | Siemens AG       | IW IMS CS     | 29.163 |     |   | D | Rel-6 |  | Agreed               |
| N3-020857 | CR     | Mobile originating BC handling for SCUDIF calls  | LM Ericsson      | SCUDIF        | 27.001 | 082 | 1 | F | Rel-5 |  | Revised in N3-020942 |

|           |        |   |                 |               |        |     |   |   |       |                      |
|-----------|--------|---|-----------------|---------------|--------|-----|---|---|-------|----------------------|
| N3-020858 | CR     | Mobile originating BC handling for SCUDIF calls                 | LM Ericsson     | SCUDIF        | 23.172 | 003 | 1 | F | Rel-5 | Revised in N3-020940 |
| N3-020859 | CR     | Mobile originating BC handling for SCUDIF calls                 | LM Ericsson     | SCUDIF        | 29.007 | 060 | 1 | F | Rel-5 | Revised in N3-020943 |
| N3-020860 | LS out | LS on SCUDIF and Lawful Interception                            | LM Ericsson     |               |        |     |   |   |       | Approved             |
| N3-020861 | CR     | CS Data Services (including HSCSD and EDGE) for GERAN lu mode   | Siemens AG      | GERAN lu mode | 48.020 | 003 | 3 | B | Rel-5 | Revised in N3-020950 |
| N3-020862 | CR     | Handling of binding information by GGSN                         | Nokia, Ericsson | E2EQoS        | 29.061 | 067 | 1 | F | Rel-5 | Revised in N3-020869 |
| N3-020863 | CR     | Handling of binding information by GGSN                         | Nokia           | E2EQoS        | 29.207 | 039 | 1 | F | Rel-5 | Revised in N3-020870 |
| N3-020864 | CR     | Connection failure between PCF and GGSN                         | Nokia, Ericsson | E2EQoS        | 29.207 | 040 | 1 | F | Rel-5 | Revised in N3-020871 |
| N3-020865 | LS out | LS to CN1 on way forward for interworking SIP TR                | Siemens         |               |        |     |   |   |       | Revised in N3-020874 |
| N3-020866 | CR     | Terminology in TS 29.208 in line with TS 29.207 and corrections | LM Ericsson     | E2eQoS        | 29.208 | 010 | 2 | F | Rel5  | Agreed               |
| N3-020867 | CR     | Validating binding information against the UE                   | Nortel Networks | E2EQoS        | 29.207 | 034 | 1 | F | Rel-5 | Agreed               |
| N3-020868 | LS out | LS on SBLP control of DiffServ                                  | CN3             |               |        |     |   |   |       | Approved             |
| N3-020869 | CR     | Handling of binding information by GGSN                         | Nokia, Ericsson | E2EQoS        | 29.061 | 067 | 2 | F | Rel-5 | Revised in N3-020935 |
| N3-020870 | CR     | Handling of binding information by GGSN                         | Nokia           | E2EQoS        | 29.207 | 039 | 2 | F | Rel-5 | Revised in N3-020936 |
| N3-020871 | CR     | Connection failure between PCF and GGSN                         | Nokia, Ericsson | E2EQoS        | 29.207 | 040 | 2 | F | Rel-5 | Revised in N3-020937 |
| N3-020872 | CR     | Clarification on Flow identifier coding                         | Nortel Networks | E2E QoS       | 29.207 | 041 | 1 | F | Rel-5 | Revised in N3-020876 |
| N3-020873 | CR     | Clarifications on Early Media                                   | Siemens         | E2E QoS       | 29.207 | 049 |   | F | Rel-5 | Revised in N3-020962 |
| N3-020874 | LS out | LS to CN1 on way forward for interworking SIP TR                | Siemens         |               |        |     |   |   |       | Revised in N3-020881 |
| N3-020875 | WID    | Mp (MRFC - MRFP) interface protocol definitions                 | Nokia           |               |        |     |   |   |       | Noted                |
| N3-020876 | CR     | Clarification on Flow identifier coding                         | Nortel Networks | E2EQoS        | 29.207 | 041 | 2 | F | Rel-5 | Agreed               |

|           |        |  |                 |        |        |     |  |   |       |                      |
|-----------|--------|--|-----------------|--------|--------|-----|--|---|-------|----------------------|
| N3-020877 | CR     | Go PIB revision and update                               | Nortel Networks | E2EQoS | 29.207 | 050 |  | F | Rel-5 | Agreed               |
| N3-020878 | LS out | LS on Interworking between SIP/SDP and BICC/ISUP         | Dave Sanders    |        |        |     |  |   |       | Approved             |
| N3-020879 | TR     | Updated TR on 3GPP SIP profile interworking              | Siemens AG      |        |        |     |  |   |       | Revised in N3-020880 |
| N3-020880 | TR     | Updated TR on 3GPP SIP profile interworking              | Siemens AG      |        |        |     |  |   |       | Agreed               |
| N3-020881 | LS out | LS on Review of TR on 3GPP SIP Profile interworking      | Siemens         |        |        |     |  |   |       | Approved             |
| N3-020882 | DAD    | Allocation of documents to agenda items (at end of day5) | CN3 Chair       |        |        |     |  |   |       | Noted                |

**137** documents treated at this meeting

**History:**

| <b>Document History</b>    |   |
|----------------------------|---|
| 1 <sup>ST</sup> Oct. 2002  | <p>DRAFT v1.0.0 dispatched by e-mail exploder to the CN3 list.</p> <p>Comments, if any, to be addressed to:<br/>David Boswarthick, 3GPP TSG-CN3 Support<br/>MCC - ETSI Secretariat<br/>Tel :+33 (0)4 92 94 42 78<br/>e-mail: <i>david.boswarthick@ETSI.fr</i></p> <p>A deadline of 2 weeks was given to the CN3 delegates for e-mail comments on the draft report.</p> <p style="text-align: center;"><b>Comments back by 16<sup>th</sup> October 2002.</b></p> |
| 29th Oct. 2002             | Updated DRAFT v2.0.0 placed to the server   |
| 13 <sup>th</sup> Nov. 2002 | N3-020890 [v2.0.0] VARIOUS comments made by CN3 at the beginning of CN3#26 meeting. Updated to N3-020976 and placed to the server as v3.0.0.  |