Third Generation Partnership Project

MEETING REPORT v3.0.0

3GPP TSG CN WG 3
Meeting #20

Cancun, Mexico
26th - 30th November 2001.

Hosted by

North American Friends of 3GPP

Chairman: Norbert Klehn, Siemens AG. norbert.klehn@icn.siemens.de

Vice Chairman: None.

MCC Support: David Boswarthick, ETSI MCC. david.boswarthick@etsi.fr

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1   Opening of the Meeting

The 20th CN3 meeting took place from 26th - 30th November 2001 in Cancun, Mexico.

Mr Stephen Hayes welcomed the CN3 delegates to Cancun on behalf of the host, and explained the logistical details for the rest of the week. A social event was kindly organized by the host on the Wednesday evening.

The CN3 Chairman Mr. Norbert Klehn, opened the meeting at 09:00 on Monday 26th. He set the objectives for the meeting as follows:

?? **Move forward with work on Rel-5**

?? **Prepare CN3's four new Rel-5 specifications for presentation to CN#14 meeting as v1.0.0. [TS 29.162, TS 29.163, TS 29.207, TS 29.208].**

2   Approval of the Agenda

N3-010487:   **CN3#20 Draft Meeting Agenda.** Presented by the CN3 Chairman.

CONTENT: Contains the draft Agenda for CN3#20 Meeting.

DISCUSSION: Norbert introduced the agenda document and outlined the schedule of the meeting for the rest of the week. There were a number of Joint and parallel Sessions during the week:-

Tues 27th Nov   *10:00 Drafting session - Go Interface*

Tues 27th Nov   *10:00 Drafting session - Interworking between IPv6 and IPV4*

Wed 28th Nov   *08:30 - Ssession with SA2 on Go interface [CN3 delegates invited]*

Wed 28th Nov   *14:00 - Joint session with CN1 + any other interested WGs on 24.228*

RESULT: The Agenda was **APPROVED.**

3   Registration of documents

The meeting documents are available on the 3GPP server:-
ftp://ftp.3gpp.org/TSG_CN/WG3_interworking/TSGN3_20_Cancun/

N3-010490:   **Allocation of documents to Agenda items for CN3#20 (start day1).** Presented by CN3 Chairman.

CONTENT: Shows the allocation of meeting documents to agenda items at the start of day1.

DISCUSSION: Complied on the Wednesday before the meeting (after the deadline for documents was over). Documents received after that time are not included in this initial document.

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

N3-010491:   **Updated Allocation of documents to Agenda items for CN3#20 (EoB day1).** Presented by CN3 Chairman.

CONTENT: Shows the allocation of meeting documents to agenda items considering the new/revised documents received at the end of the day 1 session.

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

N3-010492:   **Updated Allocation of documents to Agenda items for CN3#20 (EoB day2).** Presented by CN3 Chairman.

CONTENT: Shows the allocation of meeting documents to agenda items considering the new/revised documents received at the end of the day 2 session.

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

N3-010493: **Updated Allocation of documents to Agenda items for CN3#20 (EoB day3).**
Presented by CN3 Chairman.

CONTENT: Shows the allocation of meeting documents to agenda items considering the new/revised documents received at the end of the day 3 session.

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

4 Reports

4.1 CN3#19 Meeting Report, (Brighton)

N3-010488: **CN3#19 Draft Meeting Report.** Presented by David Boswarthick, MCC.

CONTENT: Contains the draft meeting report for the CN3#19 held in Brighton.

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.

DISCUSSION: Some errors were identified in the CR table, they were corrected on line.

RESULT: The document was **REVISED to 0561.**

? REVISED ?

N3-010561: **CN3#19 Draft Meeting Report.** Presented by David Boswarthick, MCC.

RESULT: The document was **APPROVED and the report placed to the meeting server.**

Review of action items from CN3#19:

ACTION NUMBER	OWNER	DESCRIPTION	TARGET DATE	NOTES	STATUS
N3_18_02	All Rapporteurs	Update their specifications following the GERAN proposal on terminology and provide CRs	before CN3#19	Partially complete, some open issues	OPEN
N3_19_01	All	Contributing companies are to consider the impact of additional CODECs in the fixed network on CN3s work on interworking	at CN3#20		OPEN
N3_19_02	Rapporteurs	Examine their specifications and delete any references to SWIF in R99 and onwards	at CN3#20		DONE
N3_19_03	DAB	Ensure 23.054 is deleted from the list of specifications for R99 and onwards.	before CN3#20		DONE
N3_19_04	Nigel Holland	Provide TS 29.162 [N3-010486] to the CN3 email exploder	before CN3#20		DONE
N3_19_05	David Sanders	Distribute TS 29.163 [N3-010458] to the CN3 email exploder	before CN3#20		DONE
N3_19_06	DAB	Place TS 29.207 [N3-010480] to the draft specifications server	before CN3#20		DONE
N3_19_07	Daisuke Yokota	Distribute TS ab.cde [N3-010484] to the CN3 email exploder	before CN3#20		DONE
N3_19_08	DAB	Collect information on ITU and IETF dependencies and distribute to CN3 email exploder	before CN3#20		DONE
N3_19_09	DAB	Update work plan	before CN3#20		DONE
N3_19_10	DAB	Update specs list	before CN3#20		DONE

4.2 Reports from Other Groups

No contributions to this agenda item.

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

6   Liaison Statements

N3-010499:   **LS IN from SA2 on "Response to "Liaison Statement on PDP context based Go Interface"[S2-012924].**

CONTENT: SA2 informed CN3 that this topic would be discussed in the SA2 meeting in Cancun.

DISCUSSION: PDP context was discussed in SA2 on Wednesday 08:30 CN3 delegates attended this discussion and reported back to CN3 main meeting.

SUMMARY FROM SA2 MEETING:-

> **SA2 has decided that the Go interface will be IP flow based**
>
> **SA2 Working Assumption to have one PDP context per media component**
>
> **Mapping will take place in the GGSN. CN3 is responsible for the mapping**
>
> **Charging information needs to be transported between the PCF and GGSN**

RESULT: The document was **NOTED.**

N3-010557:   **LS IN from SA2 on "Response to "Liaison Statement on PDP context based Go Interface"[S2-012924].**

CONTENT: In this document SA2 responds to questions from CN1 on PDP context based Go Interface.CN3 are copied for information.

DISCUSSION: Daisuke Yokota [Lucent] highlighted point 1 where SA2 have deleted RSVP Sender/Receiver Proxy functionality from Rel-5. Lucent will provide the necessary changes for CN3 specifications to this meeting.

RESULT: The document was **NOTED.**

N3-010583:   **LS IN from GERAN on "data rates for CS data services in UTRAN " [GP-012792].**

CONTENT: In this LS, GERAN WG1 ask CN3, which data rates are currently provided when the access network is connected to the core network via the Iu-cs ?

DISCUSSION: This is specified in 22.002. We need to indicate that they should only this specification for UTRAN and not GERAN. Response LS to this in **N3-010589**.

RESULT: The document was **NOTED.**

N3-010589:   **LS OUT to GERAN on "data rates for CS data services in UTRAN "[GP-012792].**
Presented by David Boswarthick of MCC.

RESULT: The document was **APPROVED.**

7 Release 99 and earlier:

NOTE: R99 and earlier releases have been <u>Functionally Frozen</u>.

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.

7.1 CS Bearers

No Input to this agenda item.

7.2 Multimedia

No Input to this agenda item.

7.3 GPRS

No Input to this agenda item.

7.4 Technical Enhancements & Improvements (TEI)

N3-010510: **Discussion document on "Multi-numbering scheme and interworking to ISDN".** Presented by David Sanders of Vodafone

CONTENT: The intention of this discussion paper is to highlight problems associated with fax and data calls originating from a PSTN and terminating to a mobile, which has a dedicated data/fax MSISDN, in the PLMN. The output from this paper is to propose changes to 3GPP TS 29.007 in order to provide clarification to how the logic at the VMSC should handle modem data calls being signalled as Speech.

DISCUSSION: 29.007 defines the interworking between a PLMN network and a PSTN (ISUP) network. Norbert Klehn [rapporteur] agreed that it is a valid problem that CN3 have already attempted to resolve. Vodafone's contribution provides additional text that builds upon the solution.

Norbert questioned the limitation to 3.1Kbit audio [what of the UDI case]? The change to 10.2.2.4 was not agreed.

Juha Räsänen [Nokia] said that we need to modify only the behaviour of the HLR. It was agreed to add a new bullet point 5) describing this case (ISDN BC from which 'speech' can be derived).

Rune Werner Wiik question what 'practical' implications there may be and would there be any backwards compatibility issues? David thought not, (except the situation where manufacturers have made 'fix around' solutions).

It was not agreed how far back the changes need to be made. Vodafone will present a CR to Rel-5 of 29.007 to CN3#21, and the meeting will decide to which releases it is required.

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

8 Release 4:

NOTE: Release 4 has been <u>Functionally Frozen</u>.

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 RT Facsimile [FAX-RT]

✎✎**CN3 consider their work to this Work Item as 100% Complete for Rel-4.**

No contributions to this agenda item.

8.2 Global Text telephony [GTT-IW]

✎✎**STATUS of GTT-IW - CN3 consider their work to this Work Item as 100% Complete (for CN3) - Existing solution has no requirements for CN3**

No contributions to this agenda item.

8.3 Bearer Independent Circuit-switched Core Network [CSSPLIT]

✎✎**CN3 consider their work to this Work Item as 100% Complete**

N3-010512:	**CR025 to 29.414 v4.2.0 "Correction to scope clause".** Presented by David Sanders of Vodafone.
CONTENT:	Contains **(CAT F)** CR that "Changes figure 1 by removing the T-SGW and changed HSS to HLR. Also adds text to state that the specification does not preclude the implementation of a combined MGW and MSC server."
DISCUSSION:	Thomas Belling [Siemens] suggested removing references to the CAP / HLR from figure 1. A similar change will be required in CN4 [23.205]. Thomas will provide this change to the next CN4 meeting

☝☝**[ACTION N3_20_01] - Thomas to provide the corresponding change to TS 23.205 to the next CN4 meeting**

RESULT:	The document was **REVISED to 0579.**

? REVISED ?

N3-010579:	**CR025r1 to 29.414 v4.2.0 "Correction to scope clause".** Presented by David Sanders of Vodafone.
RESULT:	The document was **AGREED.**

N3-010511:	**CR002 to 29.415 v4.1.0 "Correction to scope clause".** Presented by David Sanders of Vodafone.
CONTENT:	Contains **(CAT F)** CR that "Changes figure 1 by removing the T-SGW and changed HSS to HLR. Also adds text to state that the specification does not preclude the implementation of a combined MGW and MSC server."
DISCUSSION:	Similar change as in agreed for N3-010512, [to figure 1].
RESULT:	The document was **REVISED to 0580.**

? REVISED ?

N3-010580:	**CR002r1 to 29.415 v4.1.0 "Correction to scope clause".** Presented by David Sanders of Vodafone.
RESULT:	The document was **AGREED.**

N3-010556: **CR004 to 29.415 v4.1.0 "Reference to Iu UP ".** Presented by Rune Werner Wiik of Ericsson.

CONTENT: Contains **(CAT F)** CR that "aligns 29.415 with other specifications"

DICUSSION: Thomas Belling suggested dropping the reference to version 2 of the Iu UP. Rune agreed to this. Also the version number in clause 5 was deleted.

RESULT: The document was **REVISED to 0562.**

? REVISED ?

N3-010562: **CR004r1 to 29.415 v4.1.0 "Reference to Iu UP ".** Presented by Rune Werner Wiik of Ericsson.

Content: A merge of the Ericsson contribution [NP-010562] and a withdrawn Siemens contribution [NP-010543].

RESULT: The document was **AGREED.**

8.4 T.E.I for Rel-4.

No contributions to this agenda item.

9   Release 5:

9.1 Interworking between IM Subsystems with IP [IMS-CCR-IWIP]

??CN3 consider their work to this Work Item as 30% Complete

N3-010544:   **Extent of the specification work in 3GPP for IMS to IP interworking.** Presented by Constance Guilleray of France Telecom.

CONTENT: France Telecom considers that the impacts of the IPv6/IPv4 transition mechanisms on IMS and UMTS packet domain must be analysed in TS 29.162. The working assumption for this discussion is that the UE activates a PDP Context with PDP type IPv6.

The transition mechanisms considered in TS 23.221 seems to be restricted to translation devices. France Telecom asks CN3 to discuss this issue and eventually to ask the SA2 to provide guidance on other transition mechanisms.

DISCUSSION: Thomas Belling [Siemens], thanked France Telecom for highlighting this problem. He continued to describe the solution that he envisaged to this problem, by the use of shared NATs or network entities.

Constance has some concerns regarding security when using NAT devices, where IP SEC may allow tunnelling. This needs to be clarified by SA2.

SA3 has not yet defined end to end security as a requirement for Rel-5.

Nokia made some comments to the France Telecom document. The GGSN is not the correct entity to do thus functionality. Nokia do not feel that we require a SIP extension to do this.

Thomas Belling believes this can be resolved at the border of the IMS with no change to the architecture of the IMS. Also some work is now being done on this in the IETF.

IPv6 to IPv4 translation needs to be done in the IETF. However if there is some impact on 3GPP this needs to be examined by CN3.

RESULT: The document was **NOTED.**

N3-010540:   **Interworking between 3GPP UE (Ipv6 only) and external SIP device (Ipv4 only).** Presented by Gábor Bajkó of Nokia.

CONTENT: The document presents a detailed analysis of the IPv4 to IPv6 translation requirements and ongoing work in the IETF.

DISCUSSION: Gábor clarified that IPv6 shall be used in the IMS (at least for control plane). It is not impossible that IPv4 is used in the UP (but Nokia would prefer not to have support for IPv4 in the UE as an obligatory requirement).

CN3 agrees that a NAT 'like' address and protocol translator is required. This will be done in an entity called the NAT-PT. **The NAT PT is the only solution capable of solving the interworking in the <u>User plane</u>,** as the S-SCSF can only resolve this problem for the control plane.

However the Interworking at SIP level will be done in a separate entity.

Two proposals:-

Include all of this functionality in the Serving CSCF

Split the functionality and have part of it in the S-CSCF, and part outside of the IMS.

Thomas Belling [Siemens] did not agree on the split of functionality in two separate devices

CN3 agreed that we must split the functionality between User plane and control plane. No agreement could be made on where these functionalities should be performed.

NOTE: SA2 do not propose to examine this problem before RELEASE 6. Nokia propose to add a solution in an informative annex in Rel-5.

Nokia believes that this interworking can be achieved based on exiting IETF RFCs WITHOUT the need for SIP extensions.

Due to the complex nature of this topic, it was agreed to discuss this offline **[Tuesday 10:00]**. **The general outcome of the discussion:** It is hoped to agree on a solution within CN3 before presenting this to CN1 in the joint session. If it is thought that confirmation is required from SA2 on the architectural requirements, an LS can be sent to them this week.

RESULT: The document was **REVISED to 0572.**

? REVISED ?

N3-010572:   **Interworking between 3GPP UE (Ipv6 only) and external SIP device (Ipv4 only).** Presented by Gábor Bajkó of Nokia.

CONTENT: The document contains the result of the drafting session on IPv4 IPv6 interworking.

DISCUSSION: It was presented to the CN1 joint session on 24.228 [N1-011987]. If agreement is met in CN1 joint session, it will be proposed as a possible solution to SA2.

It is not known if this is to be completed for Rel-5 or Rel-6.

It is proposed to add the text to the informative annex of CN1/CN3 (29.162, 24.229).

Thomas Belling [Siemens] preferred to allow more time to decide on the location of the interworking. The decision could be taken in the Jan 2002 joint meeting in Sophia.

RESULT: The document was **AGREED.**

N3-010595:   **3GPP TS 29.162 v0.4.0.** Presented by Thomas Belling of Siemens.

DISCUSSION: Last bullet is to be marked for further study (pending SA2 decision).

RESULT: The document was **REVISED to 0606.**

? REVISED ?

N3-010606:   **3GPP TS 29.162 v0.4.0.** Presented by Thomas Belling of Siemens.

This specification is seen as 30% complete

DISCUSSION: The introduction clauses 4.2.1, 6.3, & and 8 are still missing from the spec.

CN3 are still awaiting clarification from :-

?? SA2 on stage 2 work on the interworking function allocation and protocols between entities.

?? CN1 on the analysis of the requirements for interworking between IETF SIP and 3GPP SIP. Definition of the 3GPP SIP.

♣♣[ACTION N3_20_02]- DAB to store N3-010606 to the DRAFT SPEC area on the 3GPP server

RESULT: The document was **AGREED.**

9.2 Interworking between IM Subsystems and CS [IMS-CCR-IWCS]

✍✍CN3 consider their work to this Work Item as 30% Complete

N3-010513:   **CR to 29.163 v0.3.0 "Drafting changes to Introduction and scope clauses".** Presented by David Sanders of Vodafone

DISCUSSION: Discussed in drafting session on Thursday Morning

RESULT: The document was **REVISED to 0584.**

? REVISED ?

N3-010584: **CR to 29.163 v0.3.0 "Drafting changes to Introduction and scope clauses".**
Presented by David Sanders of Vodafone

RESULT: The document was **MERGED into 0605.**

N3-010507: **Proposed amendments to 3GPP TS 29.163 v.0.3.0** Presented by Rune Werner Wiik
of Ericsson.

RESULT: The document was **MERGED into 0605.**

N3-010514: **CR to 29.163 v0.3.0 "Drafting changes to reference and definitions clauses".**
Presented by David Sanders of Vodafone

RESULT: The document was **MERGED into 0605.**

N3-010515: **CR to 29.163 v0.3.0 "Drafting changes to general and network characteristics
clauses".** Presented by David Sanders of Vodafone

DISCUSSION: Discussed in drafting session on Thursday Morning

RESULT: The document was **REVISED to 0585.**

? REVISED?

N3-010585: **CR to 29.163 v0.3.0 "Drafting changes to general and network characteristics
clauses".** Presented by David Sanders of Vodafone

RESULT: The document was **MERGED into 0605.**

N3-010516: **CR to 29.163 v0.3.0 "Drafting changes to interworking with CS networks clause".**
Presented by David Sanders of Vodafone

RESULT: The document was **MERGED into 0605.**

N3-010517: **CR to 29.163 v0.3.0 "Drafting changes to control plane interworking clause".**
Presented by David Sanders of Vodafone

RESULT: The document was **MERGED into 0605.**

N3-010519: **CR to 29.163 v0.3.0 "Drafting changes to user plane interworking clause".**
Presented by David Sanders of Vodafone

RESULT: The document was **MERGED into 0605.**

N3-010520: **CR to 29.163 v0.3.0 "Drafting proposal for new MGCF - MGW interaction clause".**
Presented by David Sanders of Vodafone

RESULT: The document was **MERGED into 0605.**

N3-010605 **CR to 29.163 v0.3.0 "Drafting proposal for new MGCF - MGW interaction clause".**
Presented by David Sanders of Vodafone

This specification is seen as 80% complete

CN3 are dependant upon:-

?? ITU-T to complete their work

?? CN1 to progress work on 24.228

A clean version will be provided in a new document.

RESULT: The document was **REVISED to 0613.**

? REVISED ?

N3-010613   **CR to 29.163 v1.0.0 "Drafting proposal for new MGCF - MGW interaction clause".** Presented by David Sanders of Vodafone.

DISCUSSION: 29.163 v1.0.0 will be presented to CN#14 meeting for information.

RESULT: The document was **AGREED.**

N3-010536:   **CR to 29.163 v0.3.0 " IMS to CS network - MGW support of Diff Serve ".** Presented by Alexandre Harmand of BT.

CONTENT: This document introduces the Differentiated Services support within the MGW for IP packet marking required.

DISCUSSION: Ragnar Huslende of [Ericsson] had concerns with having a DiffServ edge function on the MGW. It should rather be allowed to have it on a separate Edge node.

          Siemens supported the Ericsson view. Vodafone supported the BT view.

          More time was needed to examine this solution.

RESULT: The document was **POSTPONED.**

9.3 End to End QoS for IMS

✍✍CN3 consider their work to this Work Item as 25% Complete

N3-010545:   **CR to 29.207 v0.2.0 "COPS-PR over Go interface: 29.207 initial proposed modifications – sections 1 to 4".** Presented by Celine Bonnel of Nortel.

CONTENT: Following CN3 decision to use COPS-PR for the Go interface, this contribution proposes some text for inclusion in some of the sections of TS 29.207. Also, new references and a diagram are proposed as a basis for the Go reference model.

DISCUSSION:

          SUBCLAUSE 4.1: Slight modification to the order wording of the SCOPE clause. Also change to the naming of some of the IETF drafts and RFCs.

          More complete titles will be provided to the rapporteur of 29.207 by the end of the week.

          Thomas Belling objected to agreeing the inclusion of the referenced to L-N.Hamer et. Al. "COPS-PR for outsourcing in UMTS: UMTS Go PIB". CN3 has not yet agreed to base their work on this draft.

          It was finally agreed to remove the references to IETF drafts until it is certain they are required [presented in other contributions].

          Agreed to remove the word pushed from the definition of the PIB. [there is both a push and pull model for COPS-PR.

          Definitions to be moved to correct area from SYMBOLS clause.

          It was agreed to develop the work on COPS-PR Policy Information Based (PIB) within CN3 as opposed to awaiting the approval of the IETF draft. However this work needs to be developed in parallel with the IETF as opposed to simply asking them to 'rubber stamp' 3GPP's output.

          Thomas Belling asked how the status of the PIB will effect the request for numbers from IANA.

          The content of 4.1 from this document will be MERGED with the contribution from Hutchinson in N3-010521.

          SUBCLAUSE 4.2:1 Juha Räsänen had some concerns with the terminology in 4.2. It was agreed to remove the term 'policy server'. There is some collision between terms used in COPS and 3GPP especially relating to the use of PDP and PCF. NOTE: a PCF is equivalent to a PDP in the COPS environment. It was agreed to avoid the use of the

COPS terminology where possible. However the cross referencing between 3GPP and COPS terms can be made in the Definitions section.

RESULT: PART 4.1 of the document was **MERGED with 0521 INTO 0571.**

PART 4.2 of the document was **REVISED to 0574.**

? MERGED ?

N3-010521:   **CR to 29.207 v0.2.0 "Go overview proposal".** Presented by Gary Edwards of Hutchinson 3G.

CONTENT: The contribution proposes to make additions to Section 4.1 – Go Interface Overview of TS 29.207.

DISCUSSION: Romeo Zwart [AT&T] believes this repeats a lot of the high level information already available in the stage 2. Nortel supported this view. Ralitsa Gateva [Nokia] supported the inclusion of the procedures (as proposed by this contribution). Rune Werner Wiik suggested adding it to a subclause of 4.1 and possibly modifying / removing it at a later stage (before 29.207 is placed under change control).

It was decided to have an offline drafting session between interested parties in order to MERGE the Nortel and Hutchinson contributions. Ralitsa Gateva [Nokia] proposed taking only the non-COPs related content from the Hutchinson document.

Hutchinson withdrew their contribution to section 4.2 [N3-010527], as they agreed with the final diagram proposed by Nortel and AT&T.

RESULT: The document was **MERGED with 0545 INTO 0571.**

? MERGED ?

N3-010571:   **MERGED CR to 29.207 v0.2.0 "Go overview proposal".** Presented by Go Drafting session.

CONTENT: This contribution is the result of the Go drafting session and is a MERGE of the contributions from Hutchinson [N3-010521] and Nortel [N3-010521].

DISCUSSION: Editors Notes became Notes in some places. Changes to wording of the note on IETF standardization of the UMTS Go PIB.

RESULT: The document was **REVISED to 0573.**

? REVISED ?

N3-010573:   **CR to 29.207 v0.2.0 "Go overview proposal".**

DISCUSSION: Agreed to be included in 29.207

RESULT: The document was **AGREED.**

N3-010574:   **COPS-PR over Go interface: 29.207 initial proposed modifications - Sections 1, 2, 3 and 4.2.** Presented by Celine Bonnel of Nortel.

CONTENT: Following CN3 decision to use COPS-PR for the Go interface, this contribution proposes some text for inclusion in some of the sections of TS 29.207. Also, new references and a diagram are proposed as a basis for the Go reference model.

DISCUSSION: Tony Huynh-Quang [Alcatel] questioned why there is an arrow going to nothing in figure 4.1. It was not agreed if it goes to the IMS or not. It was agreed to show it going to an external network

Also it was mentioned that 3 of the arrows should be dotted [not solid] lines. There was also a problem with the format of the diagram and the use of colours. The originators of the change stated that the colours can be removed.

Some additional changes were made to the diagram (wording).

PCF need to be shown inside the P-CSCF (as shown in the stage 2).

Rune questioned some of the definitions (as not being real definitions - PCF and PEP). It was proposed to add an Editors note that these definitions need to be expanded.

The term service based local policy was added to the text for clarity.

The changes (with the above modifications) were agreed to included in the revised version of 29.207.

RESULT: The document was **AGREED.**

N3-010528: **CR to 29.207 v0.2.0 "Policy control over Go interface ".** Presented by Gary Edwards of Hutchinson 3G..

CONTENT: The contribution proposes to make additions to section 4.3.1.1 – Service Based Local Policy (GGSN) and section 4.3.2.1 – Service Based Local Policy (PCF).

DISCUSSION: Romeo Zwart [AT&T] believes this also repeats a lot of the high level information already available in the stage 2.

It was thought that the text was too closely related to the stage 2 information.

RESULT: The document was **REJECTED.**

N3-010553: **CR to 29.207 v0.2.0 "Deletion of RSVP proxy".** Presented by Daisuke Yokota of Lucent.

CONTENT: **SUBCLAUSE 4.2:** At the SA2 #20 meeting, a CR to TS23.207 in was approved, and hence the scenarios #2, #3 and #6 of Annex B in TS23.207 do not need further consideration for stage 3 work in Rel-5. Consequently the RSVP proxy function, which has been required for the scenario #6, do not need to be considered in Rel-5. TS29.207 has to be aligned with this decision.

Based on the above decision, it is proposed to delete RSVP proxy from TS29.207.

RESULT: The document was **AGREED.**

N3-010529: **CR to 29.207 v0.2.0 "Policy control over Go interface".** Presented by Gary Edwards of Hutchinson 3G.

CONTENT: **SUBCLAUSE 4.3:**The contribution proposes to make additions to section 4.3.1.2 – Binding Mechanism Handling (GGSN) and section 4.3.2.2 – Binding Mechanism Handling (PCF).

DISCUSSION: Celine Bonnel [Nortel], has concerns about the identification of *the address* of the PCF. the text was changed to remove the reference to the address.

Removal of the term PDP from the change.

It was not agreed to include stage 2 information in the stage 3 specification.

RESULT: The document was **REJECTED.**

N3-010547: **CR to 29.207 v0.2.0 "QoS checking and mapping".** Presented by Celine Bonnel of Nortel.

CONTENT: **SUBCLAUSE 4.3:** The QoS mapping and checking to be done at the GGSN. This is to be consistent with the overall architecture where the PCF is not aware of UMTS BS information. Nortel proposes the change to 29.207 as a starting point.

DISCUSSION: There was some disagreement on the content of the change, relating to decisions taken in SA2. As SA2 will discuss Go interface in Wednesday, the document was postponed until after the discussion in SA2.

The proposed text is in line to the decision in SA2.

RESULT: The document was **AGREED.**

N3-010525: **CR to 29.207 v0.2.0 "Removing RSVP sender/receiver proxy and Assuming pre-established TCP/IP connections".** Presented by Ragnar Huslende of Ericsson.

CONTENT: **SUBCLAUSE 4.3:**(already covered by the Lucent contribution). and **5.2.2.1**

DISCUSSION: Celine Bonnel [Nortel] and Romeo Zwart [AT&T] believe that the information added to section 5.2.2.1 is already covered in the COPS specification. It was agreed to add this text to the specification. Romeo will check if this is an *option* in COPS or the only solution.

Some off-line checking of the COPS specification is required.

It was decided to move the text to sub-clause 5.2.2 (protocol support) as a new subsection. The rapporteur will decide how this is best to be done, and make a proposal to this group.

RESULT: The document was **AGREED.**

N3-010546: **CR to 29.207 v0.2.0 "COPS-PR PIB ".** Presented by Celine Bonnel of Nortel.

CONTENT: **SUBCLAUSE 5.2.3 and New Annex B:** It is proposed that CN3 documents the decisions on the content (objects) of the UMTS-Go PIB in a new annex to specification 29.207. This annex will form the basis of the next version of the UMTS-Go PIB Internet-Draft. Since all UMTS specific information elements will be limited to the UMTS-Go PIB, as documented in the new annex, there is no longer a need for sections 5.2.3.1 up to 5.2.3.5. Therefore these sections are proposed to be deleted from the specification.

NOTE: The contribution is presented for information to CN3.

DISCUSSION: After much discussion it was agreed to include a slightly modified version of the text to clause 5.2.3

Ralitsa Gateva [Nokia], asked how CN3 will proceed with this work, and how the work will be developed in 3GPP and the IETF. CN1 is in a similar situation, and they use CN1 mailing list to agree changes to their draft. Once agreement is met within CN1, this changes are proposed to the IETF.

Romeo Zwart (AT&T) hopes that the draft will be developed within 3GPP and then these changes presented to the IETF. If this contribution does not reflect this, then the text needs to be changed.

Romeo also mentioned that CN3 can benefit from work already done on existing PIBs. Ralitsa was concerned that CN3 should stay focussed on the COPS PR PIBs.

Rune Werner Wiik [Ericsson] had concerns of including an IETF Draft as a NORMATIVE Annex in a specification that will be presented to CN Plenary. Rune suggested developing this IETF draft as a tdoc to the meeting, as opposed to an annex to a specification.

Norbert stated that we should have a Normative annex in 29.207, not as an IETF draft, but as the actual text required to do the work. Once the DRAFT IETF becomes a RFC it would be possible to replace the normative annex by a simple reference to that IETF RFC.

Norbert also had concerns that this contribution suggests IETF are leading this work as opposed to 3GPP. Romeo clarified that this contribution has been presented for information to CN3 (and has also been presented to the IETF for their information). It is the intent of the originators that 3GPP have the lead on this work, although we should keep IETF informed of progress.

Thomas Belling [Siemens], reported that theCN1 have had some problems with the IETF not agreeing to solutions without being informed of the development.

CN3 agreed to have the UMTS Go PIB information as a NORMATIVE Annex to 29.207. It is expected that this Annex will be replaced by a reference to the IETF RFC in/when completed. The normative annex will contain only the information relative to the specification of the PIB. It was agreed NOT to copy the entire IETF draft into 29.207, as there will be overlaps and redundancy between the two documents.

It was decided to separate the IETF DRAFT into a separate contribution [N3-010575]. This latest version of this draft will be presented to subsequent CN3 meetings for information.

CN3 will not be able to present 29.207 to CN#14 as a v1.0.0 for information. The work will be proceeded by discussion on the CN3 email exploder. The sections 5, 6, 7 and 8 will be examined and developed by CN3. The CN3 work will concentrate on the content of the annex to 29.207.

Nortel and AWS have volunteered to keep the IETF informed of discussions/developments on this topic. Celine Bonnel stressed however that other companies are welcomed to assist in this coordination.

Celine will distribute a proposed annex to 29.207 on the CN3 email exploder. Companies are asked to provide comments and contributions. The annex will be contained in N3-010576.

♣♣**[ACTION N3_20_03] - Celine will distribute annex B to 29.207 on the CN3 email exploder**

RESULT:	The document was **PART AGREED to be included in 29.207 (see above).**

N3-010575:	**IETF DRAFT "draft-hamer-cops-umts-go-00.txt".** Presented by Celine Bonnel of Nortel.
CONTENT:	Contains the latest version of the draft-hamer-cops-umts-go-00.txt
RESULT:	The document was **NOTED.**

N3-010548:	**CR to 29.207 v0.2.0 "Go Interface Information Elements ".** Presented by Celine Bonnel of Nortel.
CONTENT:	**New Annex B:** This contribution aims at clarifying the information elements that need to be exchanged over the Go interface.
DISCUSSION:	Romeo [AT&T] clarified that these are the basis for the information elements. It is the intention of the contribution to show that some objects already exist that will satisfy some of the functionality CN3 requires.
	It was clarified that these elements respond to the requirements in the stage 2 documentation.
	Thomas Belling [Siemens] hi-lighted the risk of basing our work on drafts within IETF.
	In addition these IETF drafts need to be added to CN3's list of IETF dependencies.
	Norbert proposed that this contribution be combined into the proposed annex B to 29.207 that will be discussed at length on the CN3 email exploder.
RESULT:	The document was **NOTED - will be included in 0576.**

N3-010611:	**New version of TS 29.207.** Presented by Daisuke Yokota.
	This specification is seen as 25% complete
DISCUSSION:	Figure 4.2.1 is missing 2 agreed changes. This will be corrected in a future version.
	SA2 have only decided this week (26th - 30th November) on some basic requirements that will enable CN3 to progress this work.
	CN3 have only agreed to use the UMTS Go PIB shortly before this meeting. Work can now proceed based on this decision.

CN3 are dependant on :-

> ?? IETF work on the COPS PR drafts

> ?? Completion of 29.208 (blocking points apply)

A clean version will be provided in a new document.

RESULT:	The document was **REVISED to 0614.**

? REVISED ?

N3-010614: **New version of TS 29.207.**

♣♣[ACTION N3_20_04]- DAB to store N3-010614 to the DRAFT SPEC area on the 3GPP server

RESULT: The document was **to be provided by email.**

N3-010549: **CR to TS 29.208 "Scenario for MO end-to-end QoS signalling flow without SBLP without RSVP ".** Presented by Daisuke Yokota.

CONTENT: This document proposes a revision of the scenario of Mobile Originated side of end-to-end QoS signalling flow without Service Based Local Policy without end-to-end Resource reSerVation Protocol.

DISCUSSION: Johnson Oyama of Ericsson feels that the proposed flows should be included only in 24.228. 29.208 should only contain the normative part relating to the mapping for end to end QoS. It was suggested to remove the flows and simply refer them to TS 24.228.

End to End QoS mapping on the UE needs to be specified in TS 27.060 and mapping for GPRS needs to be specified in 29.061 (NOT in 29.208)

Daisuke clarified that the flows are intended to provide additional information (example) to the reader of 29.208. However this introduces duplications and the requirement to track changes to the flows in CN1 and CN3.

It was agreed that some information is required in 29.208, but not duplication of the flows from 24.228.

It was suggested to reduce the content of this clause to only the 'normative' parts. It was eventually agreed that there was no normative content in this contribution, and the sub-clause 5.1 could be removed.

It was agreed to check the content of 24.228 and see if there is any information missing that need to be included in 29.208.

Following the discussions with CN1 is was agreed that this contribution was not required.

RESULT: The document was **WITHDRAWN.**

N3-010550: **CR to TS 29.208.**.

DISCUSSION: Following the discussions with CN1 is was agreed that this contribution was not required.

RESULT: The document was **WITHDRAWN.**

N3-010551: **CR to TS 29.208.**.

DISCUSSION: Following the discussions with CN1 is was agreed that this contribution was not required.

RESULT: The document was **WITHDRAWN.**

N3-010552: **CR to TS 29.208.**.

DISCUSSION: Following the discussions with CN1 is was agreed that this contribution was not required.

RESULT: The document was **WITHDRAWN.**

N3-010554: **CR to TS 29.208 on " deletion of RSVP proxy ".**. Presented by Daisuke Yokota.

RESULT: The document was **AGREED.**

N3-010530: **Discussion document on QoS Mappings for IMS".** Presented by Alexandre Harmand of BT.

CONTENT:	This contribution proposes an example mapping of SDP parameters into UMTS QoS parameters for the UMTS AMR-NB speech codec.
DISCUSSION:	Alexandre clarified that the mapping is intended to be included in 29.208 (not 23.208 as indicated). Romeo Zwart [AT&T] suggested that either 29.208 or 23.208 should contain examples of such mapping (not both).
	Johnson Oyama (Ericsson) said that CODEC mapping needs to be done in conjunction with SA4. He suggested liasing this contribution to SA4 to ensure that there is no duplication or divergence with what they have/are specifying. Ralitsa Gateva [Nokia] supported sending the latest information regarding the mapping to SA4.
	CN3 are still awaiting guidance from SA4 on how to proceed with such mapping.
	It was decided to send a LS to SA4 (cc SA2 and RAN2). See N3-010578.
	NOTE: The CODEC mapping needs to be included in CN3 TS 27.060, not 29.208 (or 23.208).
RESULT:	The document was **PART AGREED (the concept was agreed).**

N3-010531:	**CR to 29.208 on "QoS Authorisation ".** Presented by Alexandre Harmand of BT.
CONTENT:	This paper defines two procedures for QoS authorization at originating and terminating PCF. These procedures are related to the section 4 of the current 29.208
DISCUSSION:	There is a misalignment that needs to be corrected in 24.228, Thomas Belling said Siemens will correct this in CN1 (joint session).
	Ragnar Huslende [Ericsson] suggested removing the duplicate SIP flows from this document to duplication of avoid work already done in CN1. Mirko Schramm [Siemens] agreed, it is best to concentrate only on the authorisation token flows.
RESULT:	The document was **REVISED to 0599.**

? REVISED ?

N3-010599:	**CR to 29.208 on "QoS Authorisation ".** Presented by Alexandre Harmand of BT.
DISCUSSION:	Duplicate titles in figure 4.1 and 4.2. Alexandre explained that they do the same function but in different directions. This needs either to be shown in the diagram (incoming/outgoing) or the two boxes need to be merged.
	It was decided to leave the two boxes but with extended and different titles.
	Mirko [Siemens] suggested we include guidelines on the binding mechanism for authorisation token.
RESULT:	The document was **REVISED to 0608.**

? REVISED ?

N3-010608:	**CR to 29.208 on "QoS Authorisation ".** Presented by Alexandre Harmand of BT.
RESULT:	The document was **AGREED.**

N3-010533:	**CR to 29.208 on "QoS Signalling flows without SBLP ".** Presented by Alexandre Harmand of BT.
CONTENT:	This paper proposes two procedures for Resource reservation flows without service based local policy.
DISCUSSION:	This contribution also contains the duplicate SIP flows that need to be removed. The flows will be kept in 24.228, and refer to the QoS mapping that will be in 27.060. There are existing contributions made to CN1 that propose to add the flows to 24.228.
	29.208 will simply contain a reference to the mapping in 27.060.
	If call flows include the Go interface, then they are required in 29.208. However, call flows without SBLC is not required to be added. These will be contained in 24.228.
RESULT:	The document was **REJECTED, but it was** *agreed to remove section 5.*

N3-010532:	**CR to 29.208 on "QoS signalling flows with SBLP".** Presented by Alexandre Harmand of BT.
CONTENT:	This paper proposes two procedures for the Resource reservation flows with service based local policy that correspond to the Mobile Originating and Terminating aspect without RSVP consideration.
DISCUSSION:	Ralitsa Gateva stated that we need to deal with the mapping of SDP. CN3 agreed that general guidelines for mapping needs to be in 29.208, whereas the detailed mapping may go into other specification [i.e. 29.061].
	Agreed to include steps 2 until 10 in 29.208.
	Agreed to have a new chapter to include the mapping tables.
RESULT:	The document was **REVISED to 0600.**

? REVISED ?

N3-010600:	**CR to 29.208 on "QoS signalling flows with SBLP".** Presented by Alexandre Harmand of BT.
DISCUSSION:	No time to create in the meeting. Will be discussed on email.
RESULT:	The document was **POSTPONED until CN3#21.**

N3-010578:	**LS to SA4 on CODEC mapping.** Presented by Alexandre Harmand of BT.
CONTENT:	LS to SA4 where CN3 asks for SA4:
	Comments on the proposed mapping from SDP parameter into the UMTS QoS parameters for AMR-NB.
	Guidance on the mapping from SDP parameter to UMTS QoS parameter for other 3GPP codecs (e.g. H.263, AMR-WB)
DISCUSSION:	Norbert has concerns that if no company will present this LS in SA4 and provide some work, we will not receive a response to our questions.
	N3-010530 has not been agreed in CN3 (as stated in the LS). It was decided to re-word the text to reflect that this is not agreed in CN3, but one proposal under discussion.
	Requirement to add an additional reference 23.107.
RESULT:	The document was **REVISED 0610.**

? REVISED ?

N3-010610:	**LS to SA4 on CODEC mapping.** Presented by Alexandre Harmand of BT.
RESULT:	The document was **AGREED.**

N3-010526:	**CR to 29.208 on " deletion of RSVP sender/receiver proxy ".**
RESULT:	The document was **AGREED.**

N3-010537:	**CR to 29.208 on " Session Flow: QoS Interaction Procedures ".** Presented by Ralitsa Gateva of Nokia.
CONTENT:	This contribution proposes the following text as part of 7.1 Approval of QoS commit. Additionally, new sub-sections to section 7 "Other flows over Go interface".
DISCUSSION:	Mirko [Siemens] - we should not introduce the SIP messages into the specification.
	It was agreed not to specify the SIP message simply the term SIP trigger in the flows. It still remains for CN1 to complete the 'boxes' in 24.228.
	If there is no detail of SIP message flows and the decision from the PCF are the same - we can combine the MO and MT diagrams.

RESULT:	The document was **REVISED to 0601.**

⁇ REVISED⁇

N3-010601:	**CR to 29.208 on " Session Flow: QoS Interaction Procedures ".** Presented by Ralitsa Gateva of Nokia.
DISCUSSION:	Mirko of Siemens had some concerns with one of the figures. It was agreed to modify.
RESULT:	The document was **REVISED to 0609.**

⁇ REVISED⁇

N3-010609:	**CR to 29.208 on " Session Flow: QoS Interaction Procedures ".** Presented by Ralitsa Gateva of Nokia.
RESULT:	The document was **AGREED.**

N3-010603:	**CR to 29.208 v0.2.0 "".** Presented by Daisuke Yokota of Lucent.
CONTENT:	**NEW SUBCLAUSE:** for QoS parameter mapping was agreed. This document proposes a placeholder for the new clause to be added to TS 29.208.
RESULT:	The document was **AGREED.**

N3-010534:	**Radio Bearer for PS Conversational Service to support Basic Voice Call.** Presented by Alexandre Harmand of BT.
CONTENT:	In order to support end to end QoS for conversational service in IMS it is important to consider at a high level aspect how an AMR voice call will be set-up in the UMTS network. This contribution gives a high level view on how an AMR call is set up without authorisation policy and highlights the requirement for a conversational class radio bearer needs to be identified for IMS basic voice calls.
DISCUSSION:	CN3 needs to send an LS to T1 in order to ensure the definition of a radio bearer for conversational service in IMS. Ragnar Huslende of [Ericsson] suggested this LS be sent also to SA1.

It was agreed that this topic needs to be discussed directly in the relevant groups (T1 and RANx) as opposed to CN3 sending a LS to these groups. |
| **RESULT:** | The document was **NOTED.** |

N3-010535:	**Proposed LS on radio bearer for PS conversational service to support Basic Voice Call.** Presented by Alexandre Harmand of BT.
RESULT:	The document was **WITHDRAWN.**

N3-010612:	**New version of TS 29.208 v0.2.0.** Presented by Daisuke Yokota.

This specification is seen as 20% complete

DISCUSSION:	Several sections are still missing content.

CN3 are dependant upon :- |

- ⁇ SA4 to give guidance on mapping for Codecs
- ⁇ CN1 to define the location of authorization
- ⁇ CN1 to provide guidance on interworking to non 3GPP UE
- ⁇ CN1 to detail which scenarios they will cover in 24.228
- ⁇ SA2 to define on which information the authorization is based in the PCF
- ⁇ Completion of 29.207 (blocking points apply).

RESULT: The document was **AGREED.**

9.4   Service Change and UDI fallback

N3-010503:   **Document on Fallback from UDI multimedia and changing between speech and multimedia.** Presented by Rune Werner Wiik of Ericsson.

CONTENT: This document proposes a solution for the work item "Service change and UDI fallback". The solution is based on Out-of-Band Transcoder Control (OoBTC) procedures defined in TS 23.153 (based on BICC CS2) for codec negotiation, selected codec modification, and list of available codecs modification.

DISCUSSION: A great deal of discussion on how the solution would work took place between Siemens and Ericsson.

The main concern of Siemens was 'backwards compatibility', and how old mobiles will act in the network. Ericsson is aware of the problem and intended to write CR against 3GPP TS 24.008 (belongs to CN1).

Also the solution is dependent on ITU-T BICC.

The concept was agreed

RESULT: The document was **AGREED.**

N3-010504:   **Updated Work item description sheet for Service Change and UDI Fallback.** Presented by Rune Werner Wiik of Ericsson.

CONTENT: Contains the updated WID sheet that has changes relating to the Ericsson solution.

DISCUSSION: David Sanders [Vodafone] suggested elaborating the description of the functional limitations. Also David questioned the impact in charging. Rune responded that it is implementation dependent.

Also specify that the change is only for OoBTC in 26.103.

RESULT: The document was **REVISED to 0586.**

? REVISED ?

N3-010586:   **Updated Work item description sheet for Service Change and UDI Fallback.** Presented by Rune Werner Wiik of Ericsson.

RESULT: The document was **AGREED.**

N3-010602:   **LS OUT to SA4 on addition of the H.324 M codec to TS 26.103.** Presented by Alf Heidermark of Ericsson.

RESULT: The document was **AGREED.**

N3-010505:   **CR071 to 27.001 v4.5.0 "Service Change and Fallback from UDI Multimedia to Speech".** Presented by Rune Werner Wiik of Ericsson.

CONTENT: Contains **(CAT C)** CR that "adapts dual BC handling for MT and MO".

DISCUSSION: The 'case' is missing from the change. The call cannot be turned to a multimedia only call when speech is the initial service - This contradicts the discussion paper.

Which repeat indicator is to be used for multimedia calls? Possible requirement to update Annex A.

RESULT: The document was **REVISED to 0587.**

? REVISED ?

N3-010587: CR071r1 to 27.001 v4.5.0 "Service Change and Fallback from UDI Multimedia to Speech". Presented by Rune Werner Wiik of Ericsson.

DISCUSSION: It has not been clarified that you cannot move to multimedia only when you start with speech as the priority.

The proposed text is ambiguous and it was proposed to clarify to avoid confusion.

RESULT: The document was **REVISED to 0607.**

? REVISED ?

N3-010607: CR071r2 to 27.001 v4.5.0 "Service Change and Fallback from UDI Multimedia to Speech".

DISCUSSION: As **N3-010588** was postponed this one is also postponed.

RESULT: The document was **POSTPONED to CN3#21.**

N3-010506: CR046 to 29.007 v4.2.0 "Service Change and Fallback from UDI Multimedia to Speech". Presented by Rune Werner Wiik of Ericsson.

CONTENT: Contains **(CAT C)** CR that "adapts the handling of 3G.324M calls over UDI/RDI".

DISCUSSION: Juha Räsänen [Nokia] questioned the mobile terminated case (10.4.2). If the MSC receives a multimedia call set-up from the network, why does it send multimedia + speech to the MS?

Robert Zaus [Siemens], if we prioritise speech we cannot revert to a multimedia call (as indicated in section 10.4.1.1. This contradicts the Ericsson discussion paper.

It was clarified that if we start with speech you <u>cannot revert to a multimedia only</u> call.

Also there is no 'subscription to multimedia service' specified.

Possible requirement to add text to tables 7A and 7B regarding the mapping between PLMN and BICC parameters.

RESULT: The document was **REVISED to 0588.**

? REVISED ?

N3-010588: CR046r1 to 29.007 v4.2.0 "Service Change and Fallback from UDI Multimedia to Speech". Presented by Rune Werner Wiik of Ericsson.

DISCUSSION: Term MS to be replaced by UE.

No change proposed to table 7A and 7B because it will make them too complex. Ericsson suggested a new table for interworking with BICC networks [not provided in this CR].

It was decided that we must show the BICC mapping in order to make this change complete. Ericsson believes that this does not require a table, but needs more time to study.

This CR is postponed until CN3#21

RESULT: The document was **POSTPONED until CN3#21.**

9.5 CS User plane PLMN to PSTN/ISDN network interworking

N3-010498: WID for CS UP PLMN to PSTN/ISDN interworking.

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

9.6 Other Rel-5 Work Items

N3-010494: CR070r1 to 27.001 v4.5.0 "New terminology required by TSG GERAN". Presented by Rune Werner Wiik of Ericsson.

CONTENT: Contains **(CAT D)** CR that "replaces the terms "GSM" and "UMTS" with "A/Gb mode" and "Iu mode", and also updates references for to release 5.

DISCUSSION: Some questions were raised as to the usage of the term GSM in the TS template. David of MCC will check this.

♣♣**[ACTION N3_20_06] - DAB to check usage of term GSM in section 2 of the TS template.**

TS 01.04 needs to be removed from the reference section (replaced by 29.105 for Rel5).

Remove references to TS 21.103 and 41.103 (not required).

05.01 should be replaced by 45.001 throughout the document.

It was noted that the introduction of the term UTRAN Iu mode in this CR excludes the GERAN Iu mode in this specification. This needs to be investigated further.

There are a number of open issues relating to the operation of GERAN Iu mode, this needs to be clarified by GERAN.

    ✎ MS UE configuration

    ✎ Signalling of the bearer capability parameters

    ✎ Valid parameter combinations

    ✎ What services are defined

It was agreed to add to the scope section of this specification the GERAN Iu mode is for further study.

RESULT: The document was **REVISED to 0563.**

? REVISED ?

N3-010563: **CR070r2 to 27.001 v4.5.0 "New terminology required by TSG GERAN".** Presented by Rune Werner Wiik of Ericsson.

DISCUSSION: The text relating to UTRAN Iu Mode in the scope excludes GERAN Iu mode from this specification. This text will be deleted from the scope.

RESULT: The document was **REVISED to 0590.**

? REVISED ?

N3-010590: **CR070r3 to 27.001 v4.5.0 "New terminology required by TSG GERAN".** Presented by Rune Werner Wiik of Ericsson.

RESULT: The document was **AGREED.**

N3-010495: **CR008r1 to 27.002 v4.0.0 "New terminology required by TSG GERAN".** Presented by Rune Werner Wiik of Ericsson.

CONTENT: Contains **(CAT D)** CR that "replaces the terms "GSM" and "UMTS" with "A/Gb mode" and "Iu mode", and also updates references for to release 5.

DISCUSSION: Johanna Wild [Motorola] commented that we can retain the term GSM for R99 and not use GSM A/Gb mode.

Also minor comment to cover sheet.

RESULT: The document was **REVISED to 0564.**

? REVISED ?

N3-010564: **CR008r2 to 27.002 v4.0.0 "New terminology required by TSG GERAN".** Presented by Rune Werner Wiik of Ericsson.

DISCUSSION: Same change as in N3-010563 relating to the text in the scope.

RESULT: The document was **REVISED to 0591.**

? REVISED ?

N3-010591: **CR008r3 to 27.002 v4.0.0 "New terminology required by TSG GERAN".** Presented by Rune Werner Wiik of Ericsson.

RESULT: The document was **AGREED.**

N3-010496: **CR009r1 to 27.003 v4.1.0 "New terminology required by TSG GERAN".** Presented by Rune Werner Wiik of Ericsson.

CONTENT: Contains **(CAT D)** CR that "replaces the terms "GSM" and "UMTS" with "A/Gb mode" and "Iu mode", and also updates references for to release 5.

DISCUSSION: Some changes to references [37, 38 removed].

A/Gb network should be replaced by PLMN network for better clarity.

RESULT: The document was **REVISED to 0565.**

? REVISED ?

N3-010565: **CR009r2 to 27.003 v4.1.0 "New terminology required by TSG GERAN".** Presented by Rune Werner Wiik of Ericsson.

DISCUSSION: Same change as in N3-010563 relating to the text in the scope.

RESULT: The document was **REVISED to 0592.**

? REVISED ?

N3-010592: **CR009r3 to 27.003 v4.1.0 "New terminology required by TSG GERAN".** Presented by Rune Werner Wiik of Ericsson.

RESULT: The document was **AGREED.**

N3-010497: **CR032 to 23.919 v4.3.0 "New terminology required by TSG GERAN".** Presented by Rune Werner Wiik of Ericsson.

CONTENT: Contains **(CAT D)** CR that "replaces the terms "GSM" and "UMTS" with "A/Gb mode" and "Iu mode", and also updates references for to release 5.

DISCUSSION: Norbert had some concerns over the consistency of the usage of the terms Iu mode and UTRAN Iu Mode.

It was agreed to add a note similar to that proposed for 27.001 stating GERAN Iu mode is for further study.

RESULT: The document was **REVISED to 0566.**

? REVISED ?

N3-010566: **CR032rev1 to 23.919 v4.3.0 "New terminology required by TSG GERAN".** Presented by Rune Werner Wiik of Ericsson.

DISCUSSION: Same change as in N3-010563 relating to the text in the scope.

RESULT: The document was **REVISED to 0593.**

? REVISED ?

N3-010593: **CR032rev2 to 23.919 v4.3.0 "New terminology required by TSG GERAN".** Presented by Rune Werner Wiik of Ericsson.

RESULT: The document was **AGREED.**

N3-010500: **CR006r1 to 24.022 v4.0.0 "New terminology required by TSG GERAN".** Presented by Norbert Klehn of Siemens.

CONTENT: Contains **(CAT D)** CR that "replaces the terms "GSM" and "UMTS" with "A/Gb mode" and "Iu mode", and also updates references for to release 5.

DISCUSSION: Title of 21.905 incorrect. Also an errant 3GPP TS needs to be deleted from scope. Also some minor errors were identified.

RESULT: The document was **REVISED to 0567.**

? REVISED ?

N3-010567: **CR006r2 to 24.022 v4.0.0 "New terminology required by TSG GERAN".** Presented by Norbert Klehn of Siemens.

DISCUSSION: Change to the text in the scope.

RESULT: The document was **REVISED to 0596.**

? REVISED ?

N3-010596: **CR006r3 to 24.022 v4.0.0 "New terminology required by TSG GERAN".** Presented by Norbert Klehn of Siemens.

RESULT: The document was **AGREED.**

N3-010501: **CR044r1 to 29.007 v4.2.0 "New terminology required by TSG GERAN".** Presented by Norbert Klehn of Siemens.

CONTENT: Contains **(CAT D)** CR that "replaces the terms "GSM" and "UMTS" with "A/Gb mode" and "Iu mode", and also updates references for to release 5.

DISCUSSION: Some minor changes were noted in the text.

RESULT: The document was **REVISED to 0568.**

? REVISED ?

N3-010568: **CR044r2 to 29.007 v4.2.0 "New terminology required by TSG GERAN".** Presented by Norbert Klehn of Siemens.

DISCUSSION: Change to the text in the scope.

RESULT: The document was **REVISED to 0597.**

? REVISED ?

N3-010597: **CR044r3 to 29.007 v4.2.0 "New terminology required by TSG GERAN".** Presented by Norbert Klehn of Siemens.

RESULT: The document was **AGREED.**

N3-010569: **CR016r1 to 27.060 v4.0.0 "New terminology required by TSG GERAN".** Presented by Johanna Wild of Motorola.

CONTENT: Contains **(CAT D)** CR that "replaces the terms "GSM" and "UMTS" with "A/Gb mode" and "Iu mode", and also updates references for to release 5.

DISCUSSION: Modifications were made to the text in the Scope.

RESULT: The document was **REVISED to 0594.**

? REVISED ?

N3-010594: **CR016r2 to 27.060 v4.0.0 "New terminology required by TSG GERAN".** Presented by Johanna Wild of Motorola.

RESULT: The document was **AGREED.**

N3-010570: **CR035r1 to 29.061 v4.2.0 "New terminology required by TSG GERAN".** Presented by Johanna Wild of Motorola.

CONTENT: Contains **(CAT D)** CR that "replaces the terms "GSM" and "UMTS" with "A/Gb mode" and "Iu mode", and also updates references for to release 5.

DISCUSSION: Some updates required

RESULT: The document was **REVISED to 0598.**

? REVISED ?

N3-010598: **CR035r2 to 29.061 v4.2.0 "New terminology required by TSG GERAN".** Presented by Johanna Wild of Motorola.

RESULT: The document was **AGREED.**

N3-010538: **CR001 to 44.021 v4.0.0 "New terminology required by TSG GERAN".** Presented by Juha Räsänen of Nokia.

CONTENT: Contains **(CAT D)** CR that "replaces the terms "GSM" and "UMTS" with "A/Gb mode" and "Iu mode", and also updates references for to release 5.

DISCUSSION: CR number missing. Changes to the title of 21.905. Insertion of a comment similar to the other GERAN terminology update CRs. Change to the text in clause 4.1 (GSM replaced by PLMN).

RESULT: The document was **REVISED to 0581.**

? REVISED ?

N3-010581: **CR001r1 to 44.021 v4.0.0 "New terminology required by TSG GERAN".** Presented by Juha Räsänen of Nokia.

RESULT: The document was **AGREED.**

N3-010539: **CR001 to 28.020 v4.0.0 "New terminology required by TSG GERAN".** Presented by Juha Räsänen of Nokia.

CONTENT: Contains **(CAT D)** CR that "replaces the terms "GSM" and "UMTS" with "A/Gb mode" and "Iu mode", and also updates references for to release 5.

DISCUSSION: CR number missing.

Changes to the title of 21.905. Insertion of a comment similar to the other GERAN terminology update CRs. Change to the text in the scope (GSM replaced by PLMN).

Section 11.3 figure is has a display error MCC to investigate.

♣♣**[ACTION N3_20_07] - DAB to look at line draw error in 28.020 clause 11.3**

RESULT: The document was **REVISED to 0582.**

? REVISED ?

N3-010582: **CR001r1 to 24.020 v4.0.0 "New terminology required by TSG GERAN".** Presented by Juha Räsänen of Nokia.

RESULT: The document was **AGREED.**

♣♣**[ACTION N3_20_08]- DAB to provide GERAN updates to 43.010 43.045 and 43.046**

N3-010604: **LS OUT to TSG GERAN on "GERAN Iu mode".**

DISCUSSION: Some open issues regarding GERAN Iu mode have been identified during the discussion of the CRs on the implementation of the new terminology requested by TSG GERAN. These open issues should be summarised in an LS to TSG GERAN requesting clarification.

♣♣**[ACTION N3_20_09]- Thomas will provide this LS as email to CN3 email exploder for comments and approval.**

RESULT: The document is to be **provided by e-mail NP-010616.**

N3-010558: **Discussion document on "Data service identification for the single numbering scheme".** Presented by Rune Werner Wiik of Ericsson.

CONTENT: The intention of this discussion paper is to highlight problems associated with the identification of different data services from the BC, especially for the Frame Tunneling Mode (FTM). The output from this paper is to propose changes to 3GPP TS 29.007 and 3GPP TS 27.001 in order to provide clarification, how unambiguous service identification logic should handle data calls.

DISCUSSION: It was asked if this is dependant on how the operator signals bearer service specific settings? Rune clarified that presently we send ambiguous information to the MS. How is interworking done to ISDN X31 with CAPI? Rune will check the details of this change with the experts in Ericsson. The issue is postponed to the next meeting (including the CRs).

RESULT: The document was **POSTPONED until CN3#21.**

N3-010559: **CR072 to 27.001 v3.10.0 "Mobile terminated call with single numbering scheme ".** Presented by Rune Werner Wiik of Ericsson.

CONTENT: Contains **(CAT F)** CR "Information known by the MSC to deduce the FTM service is sent to the network on the mobile originating side and to the UE on the terminating side in the call set-up. "

RESULT: The document was **POSTPONED until CN3#21**

N3-010560: **CR047 to 29.007 v3.8.0 "Mobile terminated call with single numbering scheme ".** Presented by Rune Werner Wiik of Ericsson.

CONTENT: Contains **(CAT F)** CR "Information known by the MSC to deduce the FTM service is sent to the network on the mobile originating side and to the UE on the terminating side in the call set-up."

DISCUSSION: Note 22 **only FTM** should be removed and removal of 'a fall back service' - hanging text.

Also on the cover sheet the change impacts core network only, and not ME/EU.

RESULT: The document was **POSTPONED until CN3#21**

N3-010502: **Discussion document on Extension of numbering schemes for mobile terminated calls.** Presented by Norbert Klehn of Siemens.

CONTENT: Last CN3 meeting Nokia proposed a method to improve the call handling for mobile terminated calls with the single-numbering scheme by adding the ITC value to the NETWORK CALL CONTROL CAPABILITIES parameter of the SETUP message. CN1 and CN3 have rejected this approach because it was only specified for circuit switched multimedia and they also felt that the provision of only the ITC value is not sufficient to enable the User Equipment to derive the correct service. This contribution provides a more general approach. It provides in detail an improvement of the single-numbering and of the multi-numbering scheme that can be considered separately.

DISCUSSION: Juha Räsänen [Nokia] agreed that there are two issues that need to be handled separately.

The advantage of the BACKUP BC is that it need not follow the restrictions that apply to the GSM BC or UMTS BC. It is filled by information deduced from the information received from network (ISDN and or other) and/or interpreted from other available information. The intention is to generate the BACKUP BC in the visited MSC in the case of a non-complete GSM BC.

Alf Heidermark [Ericsson] suggested that we detail the information that the MS needs to identify a call. Norbert replied that the creation of a mapping table would provide a less general solution (the intention of this contribution). Juha suggested that the required indicators should be more implementation based (providing the more general solution).

The BACKUP-BC will have the same structure as the GSM-BC except that we will need to indicate the unknown values.

Ericsson requested some more time to think about the concept.

RESULT: The document was **POSTPONED until CN3#21.**

N3-010522: **CR068r1 to 27.001 v4.0.0 "Mobile terminated call with single numbering scheme".** Presented by Norbert Klehn of Siemens.

CONTENT: Contains **(CAT B)** CR. "Information known by the MSC is sent to the UE in the call set-up. The UE may use the information to deduce the requested service."

RESULT: The document was **POSTPONED until CN3#21.**

N3-010523: **CR041r1 to 29.007 v4.2.0 "Mobile terminated call with single numbering scheme".** Presented by Norbert Klehn of Siemens.

CONTENT: Contains **(CAT B)** CR. "Information known by the MSC is sent to the UE in the call set-up. The UE may use the information to deduce the requested service."

DISCUSSION: It was suggested that we detail from where the information is derived. Norbert will include that in the revised CR(s).

RESULT: The document was **POSTPONED until CN3#21.**

N3-010524: **CR509 to 24.008 v4.4.0 "Mobile terminated call with single numbering scheme".** Presented by Norbert Klehn of Siemens.

CONTENT: Contains **(CAT B)** CR. "Information known by the MSC is sent to the UE in the call set-up. The UE may use the information to deduce the requested service." Provided to CN3 for information only.

RESULT: The document was **NOTED.**

10 Joint Sessions:

10.1 Joint Session with CN1 on 24.228

See CN1 meeting report at:-

ftp://ftp.3gpp.org/TSG_CN/WG1_mm-cc-sm/TSGN1_22/

Comments on the report of the Joint session to PerJohan.Jorgensen@etsi.fr

11 Administrative issues

11.1 Work Plan Review

N3-010489: **3GPP Project Plan.** Presented by David, MCC.

CONTENT: Contains the latest version of the 3GPP project plan, as approved at SA#13 plenary including several updates from WGs.

DISCUSSION: Comments were taken and updates made on-line.

RESULT: The document was **DISCUSSED**

N3-010555: **IETF and ITU-T Dependencies.** Presented by David, MCC.

CONTENT: Initial draft of the IETF and ITU-T drafts upon which the Rel-5 (and beyond) work within CN3 is dependant.

DISCUSSION: Comments were taken on-line to the list. Celine and Thomas will provide some additional titles to David by e-mail

This list will be maintained by the MCC and re-visited at each CN3 meeting.

RESULT: The document was **NOTED**

11.2 Specification Review

No input to this agenda item.

11.3 Future Work

No input to this agenda item.

11.4 Next meetings, allocation of hosts

Meeting	Date	Location, Host	Comments
TSG-CN#14	12th – 14th Dec 2001	Kyoto, Japan, TTC	
TSG-CN3#21	28th Jan - 1st Feb 2002	Sophia, France, ETSI	Co-located CN1,CN2,CN3,CN4
TSG-CN#15	6th - 8th Mar 2002	???, Korea	Deadline for Completion of Rel-5
TSG-CN3#22	8th - 12th April 2002	???, USA	Co-located CN1,CN2,CN3,CN4
TSG-CN3#23	13th - 17th May 2002	Europe, Ericsson	Co-located CN1,CN2,CN3,CN4
TSG-CN#16	5th - 7th June 2002	Florida, USA, Motorola	
TSG-CN3#24	29th July - 2nd Aug 2002	Helsinki, Finland, Sonera	Co-located CN1,CN2,CN3,CN4
TSG-CN#17	4th - 6th Sept 2002	Biarritz France, ???	
TSG-CN3#25	23rd - 27th Sept 2002	???, USA	Co-located CN1,CN2,CN3,CN4
TSG-CN3#26	11th - 15th Nov 2002	Penang, Malaysia, ????	Co-located CN1,CN2,CN3,CN4
TSG-CN#16	4th - 6th Dec 2002	New Orleans, USA, NA friends	

12 Summary of Results

12.1 Work Items

The following WIDs were agreed by CN3, and are to be sent to the TSG-CN#14 Plenary for Approval:

TDoc #	Tdoc Title	WI	Rel
N3-010586	Updated Work item description sheet for Service Change and UDI Fallback	SCUDIF	Rel-5

12.2 Liaison Statements

The following Liaison Statements were agreed by CN3:

TDoc #	Tdoc Title	LS to	LS cc	LS Attachment
N3-010589	LS on "data rates for CS data services in UTRAN"	GERAN1	RAN3, SA1	N3-010583
N3-010610	LS on "mapping of CODEC values"	SA4	SA2, RAN2	N3-010530
N3-010602	LS on "the addition of the H.324 M codec to TS 26.103 "	SA4	-	-

12.3 Change Requests

The following CRs were agreed by CN3, and are to be sent to the TSG-CN#14 Plenary for Approval:

TDoc #	Tdoc Title	Spec	CR #	Rev	CAT	C_Ver	Rel
N3-010580	Correction to scope clause	29.415	002	1	F	4.1.0	Rel-4
N3-010579	Correction to scope clause	29.414	005	1	F	4.2.0	Rel-4
N3-010562	Reference to Iu UP	29.415	004	1	F	4.1.0	Rel-4
N3-010598	New terminology requested by GERAN	29.061	035	2	D	4.2.0	Rel-5
N3-010597	New terminology requested by GERAN	29.007	044	2	D	4.2.0	Rel-5
N3-010596	New terminology requested by GERAN	24.022	006	3	D	4.0.0	Rel-5
N3-010594	New terminology requested by GERAN	27.060	016	2	D	4.0.0	Rel-5
N3-010593	New terminology requested by GERAN	23.910	032	1	F	4.3.0	Rel-5
N3-010592	New terminology requested by GERAN	27.003	009	3	D	4.1.0	Rel-5
N3-010591	New terminology requested by GERAN	27.002	008	3	D	4.0.0	Rel-5
N3-010590	New terminology requested by GERAN	27.001	070	3	D	4.5.0	Rel-5
N3-010582	New terminology requested by GERAN	48.020	001	1	D	4.0.0	Rel-5
N3-010581	New terminology requested by GERAN	44.021	001	1	D	4.0.0	Rel-5

12.4 TRs / TSs

The following TR/TSs were agreed by CN3, and are to be sent to the TSG-CN#14 Plenary for information:

TDoc #	Spec	Tdoc Title	C_Version	Rel
N3-010613	29.163	Latest version of 29.163	1.0.0	Rel-5

12.5 Other

None in this meeting.

12.6 Summary of Action Points

Note: Includes all open action from previous meetings

ACTION NUMBER	OWNER	DESCRIPTION	TARGET DATE	NOTES	STATUS
N3_18_02	All Rapporteurs	Update their specifications following the GERAN proposal on terminology and provide CRs	before CN3#19	Partially complete, some open issues	OPEN
N3_19_01	All	Contributing companies are to consider the impact of additional CODECs in the fixed network on CN3s work on interworking	at CN3#20		OPEN
N3_20_01	Thomas Belling	Provide the corresponding change to TS 23.205 to the next CN4 meeting	next CN4		OPEN
N3_20_02	DAB	Store N3-010606 to the DRAFT SPEC area on the 3GPP server	ASAP		OPEN
N3_20_03	Celine Bonnel	Distribute annex B to 29.207 on the CN3 email exploder	ASAP		OPEN
N3_20_04	DAB	Store N3-010614 to the DRAFT SPEC area on the 3GPP server	ASAP		OPEN
N3_20_05	DAB	Store N3-010612 to the DRAFT SPEC area on the 3GPP server	ASAP		OPEN
N3_20_06	DAB	Check usage of term GSM in section 2 of the TS template.	by N3#21		OPEN
N3_20_07	DAB	Examine line draw error in 28.020 clause 11.3	by N3#21		OPEN
N3_20_08	DAB	Provide GERAN updates to 43.010 43.045 & 43.046	by NP#15		OPEN
N3_20_09	Thomas Belling	Provide this LS [N3-010604] by email to CN3 email exploder for comments and approval	ASAP		OPEN

13 Any other business

None

14 Close of meeting

Norbert closed the 20th CN3 meeting on Friday 30th November at 15:00, and thanked the host for the excellent meeting location and arrangements.

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

Annex A: List of CN3 Meeting Participants

The following delegates attended the CN3#20 meeting.

Dr.	Thomas	Belling	Thomas.Belling@icn.siemens.de	SIEMENS AG
Ms.	Celine	Bonnel	celine.bonnel@nortelnetworks.com	NORTEL NETWORKS (EUROPE)
Mr.	David	Boswarthick	david.boswarthick@etsi.fr	ETSI Secretariat
Mr.	Gary	Edwards	gary.edwards@hutchison3g.com	Hutchison 3G UK Limited
Mr.	Rouzbeh	Farhoumand	EUSFARO@am1.ericsson.se	ERICSSON L.M.
Miss	Ralitsa	Gateva	Ralitsa.Gateva@nokia.com	NOKIA Corporation
Miss	Constance	Guilleray	constance.guilleray@francetelcom.fr	France Telecom
Mr.	Alexandre	Harmand	alexandre.harmand@BT.com	BT
Mr.	Alf	Heidermark	alf.heidermark@uab.ericsson.se	ERICSSON L.M.
Mr.	Ragnar	Huslende	ragnar.huslende@ericsson.no	ERICSSON L.M.
Mr.	Tony	Huynh-Quang	tony.huynh-quang@alcatel.fr	ALCATEL S.A.
Mr.	Norbert	Klehn	norbert.klehn@icn.siemens.de	SIEMENS AG
Mr.	Christopher	Komatas	ckomatas@juniper.net	Juniper Networks
Mr.	Peng	Li	pli@qualcomm.com	QUALCOMM EUROPE S.A.R.L
Mr.	Idreas	Mir	imir@qualcomm.com	QUALCOMM EUROPE S.A.R.L.
Mr.	Johnson	Oyama	johnson.oyama@nrj.ericsson.se	ERICSSON L.M.
Mr.	Juha	Räsänen	juha.a.rasanen@nokia.com	NOKIA Corporation
Mr.	David	Sanders	dave.sanders@vf.vodafone.co.uk	VODAFONE Group Plc
Ms.	Dana	Schneider	dana.schneider@d2vodafone.de	Mannesmann Mobikfunk
Mr.	Mirko	Schramm	Mirko.Schramm@icn.siemens.de	Siemens AG
Mr.	Rune	Wiik	Rune.Werner.Wiik@ericsson.no	ERICSSON L.M.
Mrs.	Johanna	Wild	johanna.wild@motorola.com	MOTOROLA GmbH
Mr.	Daisuke	Yokota	yokota@lucent.com	Lucent Technologies Japan Ltd.
Mr.	Romeo	Zwart	romeo.zwart@att.com	AWS

Annex B: List of documents

Details can also be found in the file **N3_20_Tdoc_list.xls** on the meeting server.

TDoc #	Age	Type	Tdoc Title	CR #	Rev	CAT	Spec	Status
N3-010487	2	AGENDA	Draft Agenda for CN3#20 Meeting (Cancun)					APPROVED
N3-010488	4.1	REPORT	Draft Meeting report from CN3#19 (Brighton)					REVISED TO 0561
N3-010489	11.1	WORK PLAN	Latest version of 3GPP Workplan					DISCUSSED
N3-010490	3	DAD	Allocation of documents to agenda items [start day1]					AGREED
N3-010491	3	DAD	Allocation of documents to agenda items [end day1]					NOTED
N3-010492	3	DAD	Allocation of documents to agenda items [end day3]					NOTED
N3-010493	3	DAD	Allocation of documents to agenda items [end day4]					NOTED
N3-010494	9.5	CR	Terminology clarifications as requested by TSG GERAN	070	1	D	27.001	REVISED TO 0563
N3-010495	9.5	CR	Terminology clarifications as requested by TSG GERAN	008	1	D	27.002	REVISED TO 0564
N3-010496	9.5	CR	Terminology clarifications as requested by TSG GERAN	009	1	D	27.003	REVISED TO 0565
N3-010497	9.5	CR	Terminology clarifications as requested by TSG GERAN	032		F	23.910	REVISED TO 0566
N3-010498	9.5	WID	New work item for CS User Plane PLMN to PSTN/ISDN Network Interworking					WITHDRAWN
N3-010499	6	LS IN	Re. to LS on "PDP context based Go Interface" [S2-012921]					NOTED
N3-010500	9.6	CR	New terminology required by TSG GERAN	006	1	D	24.022	REVISED TO 0567
N3-010501	9.6	CR	New terminology required by TSG GERAN	044	1	D	29.007	REVISED TO 0568
N3-010502	9.6	DISCUSSION DOC	Extension of numbering schemes for mobile terminated calls					POSTPONED
N3-010503	9.4	other	Fallback from UDI multimedia and changing between speech and multimedia					AGREED
N3-010504	9.4	WID	Updated Work item description sheet for Service Change and UDI Fallback					REVISED TO 0586
N3-010505	9.4	CR	Service Change and Fallback from UDI Multimedia to Speech	071		C	27.001	REVISED TO 0587
N3-010506	9.4	CR	Service Change and Fallback from UDI Multimedia to Speech	046		C	29.007	REVISED TO 0588
N3-010507	9.2	[CR]	Proposed amendments to 3GPP TS 29.163 v.0.3.0				29.163	WITHDRAWN
N3-010508	9.6	CR	New terminology required by GERAN	016		D	27.060	REVISED TO 0569
N3-010509	9.6	CR	New terminology required by GERAN	035		D	29.061	REVISED TO 0570
N3-010510	7.4	DISCUSSION DOC	Multi-numbering scheme and interworking to ISDN					AGREED
N3-010511	8.3	CR	Correction to scope clause	002		F	29.415	REVISED TO 0580
N3-010512	8.3	CR	Correction to scope clause	005		F	29.414	REVISED TO 0579
N3-010513	9.2	CR	Drafting changes to Introduction and scope clauses					REVISED TO 0584

TDoc #	Age	Type	Tdoc Title	CR #	Rev	CAT	Spec	Status
N3-010514	9.2	CR	Drafting changes to reference and definitions clauses					WITHDRAWN
N3-010515	9.2	CR	Drafting changes to general and network characteristics clauses					REVISED TO 0585
N3-010516	9.2	CR	Drafting changes to interworking witth CS networks clause					WITHDRAWN
N3-010517	9.2	CR	Drafting changes to control plane interworking clause					WITHDRAWN
N3-010518	9.2	CR	Drafting changes to reference and definitions clauses					WITHDRAWN
N3-010519	9.2	CR	Drafting changes to user plane interworking clause					WITHDRAWN
N3-010520	9.2	CR	Drafting proposal for new MGCF - MGW interaction clause					WITHDRAWN
N3-010521	9.3	[CR]	Go overview proposal			B	29.207	MERGED INTO 0571
N3-010522	9.6	CR	Mobile terminated call with single numbering scheme	068	1	B	27.001	POSTPONED to CN3#21
N3-010523	9.6	CR	Mobile terminated call with single numbering scheme	041	1	B	29.007	POSTPONED to CN3#21
N3-010524	9.6	CR [INFO]	Mobile terminated call with single numbering scheme			B	24.008	NOTED
N3-010525	9.3	[CR]	Proposed amendments to 3GPP TS 29.207 v0.2.0					AGREED
N3-010526	9.3	[CR]	Proposed amendments to 3GPP TS 29.208 v0.1.0					AGREED
N3-010527	9.3	[CR]	Go Reference model				29.207	WITHDRAWN
N3-010528	9.3	[CR]	Service Based Local Policy				29.207	REJECTED
N3-010529	9.3	[CR]	Binding Mechanism				29.207	REJECTED
N3-010530	9.3	DISCUSSION DOC	QoS Mappings for IMS				29.208	PART AGREED
N3-010531	9.3		QoS Authorisation				29.208	REVISED TO 0599
N3-010532	9.3		QoS Signaling flows - with SBLP				29.208	REVISED TO 0500
N3-010533	9.3		QoS Signaling flows - without SBLP				29.208	REJECTED
N3-010534	9.3	DISCUSSION DOC	Radio Bearer for PS Conversational Service to support Basic Voice Call				29.208	NOTED
N3-010535	9.3	LS OUT	Proposed LS out on Radio Bearer for PS Conversational Service to support Basic Voice Call					WITHDRAWN
N3-010536	9.2	[CR]	IMS to CS network - MGW support of Diff Serve				94.163	POSTPONED
N3-010537	9.3	[CR]	Session Flow: QoS Interaction Procedures				29.208	REVISED TO 0601
N3-010538	9.6	CR	New terminology requested by GERAN	001		D	44.021	REVISED TO 0581
N3-010539	9.6	CR	New terminology requested by GERAN	001		D	48.020	REVISED TO 0582
N3-010540	9.1	DISCUSSION DOC	Interworking between 3GPP UE (Ipv6 only) and external SIP device (Ipv4 only)					REVISED TO 0572
N3-010541	9.6	WID	Interworking between 3GPP UE (Ipv6 only) and external SIP device (Ipv4 only)					WITHDRAWN

TDoc #	Age	Type	Tdoc Title	CR #	Rev	CAT	Spec	Status
N3-010542	9.6	CR	Interworking between 3GPP UE (Ipv6 only) and external SIP device (Ipv4 only)	036		B	29.061	WITHDRAWN
N3-010543	8.3	CR	Generic Reference to 25.415	003		F	29.415	WITHDRAWN
N3-010544	9.1	DISCUSSION DOC	Extent of the specification work in 3GPP for IMS to IP interworking					NOTED
N3-010545	9.3	[CR]	COPS-PR over Go interface: 29.207 initial proposed modifications - sections 1 to 4			B	29.207	SPLIT INTO 0571+0574
N3-010546	9.3	[CR]	TS 29.207 and COPS-PR PIB			B	29.207	PART AGREED
N3-010547	9.3	[CR]	QoS checking and mapping			B	29.207	AGREED
N3-010548	9.3	[CR]	Go interface Information Element			B	29.207	NOTED
N3-010549	9.3	DISCUSSION DOC	Proposed scenario for MO end-to-end QoS signalling flow without SBLP without RSVP					WITHDRAWN
N3-010550	9.3	DISCUSSION DOC	Proposed scenario for MT end-to-end QoS signalling flow without SBLP without RSVP					WITHDRAWN
N3-010551	9.3	DISCUSSION DOC	Proposed scenario for MO end-to-end QoS signalling flow without RSVP with LPDP in GGSN					WITHDRAWN
N3-010552	9.3	DISCUSSION DOC	Proposed scenario for MT end-to-end QoS signalling flow without RSVP with LPDP in GGSN					WITHDRAWN
N3-010553	9.3	DISCUSSION DOC	Proposal on the deletion of RSVP proxy from TS29.207					AGREED
N3-010554	9.3	DISCUSSION DOC	Proposal on the deletion of RSVP proxy from TS29.208					AGREED
N3-010555	11.1	DISCUSSION DOC	CN3's IETF and ITU-T Dependencies					NOTED
N3-010556	8.4	CR	Reference to Iu UP	004		F	29.415	REVISED TO 0562
N3-010557	6	LS IN	Re.to LS on "The Integration of RSVP and SIP" [S2-012924]					NOTED
N3-010558	9.6	DISCUSSION DOC	Data service identification for the single numbering scheme					POSTPONED
N3-010559	9.6	CR	Mobile terminated call with single numbering scheme	072		F	27.001	POSTPONED to CN3#21
N3-010560	9.6	CR	Mobile terminated call with single numbering scheme	047		F	27.009	POSTPONED to CN3#21
N3-010561	4.1	REPORT	Draft Meeting report from CN3#19 (Brighton)					APPROVED
N3-010562	8.4	CR	Reference to Iu UP	004	1	F	29.415	AGREED
N3-010563	9.5	CR	Terminology clarifications as requested by TSG GERAN	070	2	D	27.001	REVISED TO 0590
N3-010564	9.5	CR	Terminology clarifications as requested by TSG GERAN	008	2	D	27.002	REVISED TO 0591
N3-010565	9.5	CR	Terminology clarifications as requested by TSG GERAN	009	2	D	27.003	REVISED TO 0592
N3-010566	9.5	CR	Terminology clarifications as requested by TSG GERAN	032	1	F	23.910	REVISED TO 0593
N3-010567	9.6	CR	New terminology required by TSG GERAN	006	2	D	24.022	REVISED TO 0596
N3-010568	9.6	CR	New terminology required by TSG GERAN	044	1	D	29.007	REVISED TO 0597
N3-010569	9.6	CR	New terminology required by GERAN	016	1	D	27.060	REVISED TO 0594

TDoc #	Age	Type	Tdoc Title	CR #	Rev	CAT	Spec	Status
N3-010570	9.6	CR	New terminology required by GERAN	035	1	D	29.061	REVISED TO 0594
N3-010571	9.3	[CR]	Go overview proposal			B	29.207	REVISED TO 0573
N3-010572	9.1	DISCUSSION DOC	Interworking between 3GPP UE (Ipv6 only) and external SIP device (Ipv4 only)					AGREED
N3-010573	9.3	[CR]	Go overview proposal			B	29.207	AGREED
N3-010574	9.3	[CR]	COPS-PR over Go interface: 29.207 initial proposed modifications - sections 1 to 4			B	29.207	AGREED
N3-010575	9.3	IETF DRAFT	draft-hamer-cops-umts-go-00.txt					NOTED
N3-010576	9.3	DISCUSSION DOC	Annex to 29.207 for UMTS Go PIB					to be provided by e-mail
N3-010577	9.3	TS	Latest version of 29.207					REPLACED BY 0611
N3-010578	9.3	LS OUT	LS to SA4 on mapping of CODEC values					REVISED TO 0610
N3-010579	8.3	CR	Correction to scope clause	005	1	F	29.414	AGREED
N3-010580	8.3	CR	Correction to scope clause	002	1	F	29.415	AGREED
N3-010581	9.6	CR	New terminology requested by GERAN	001	1	D	44.021	AGREED
N3-010582	9.6	CR	New terminology requested by GERAN	001	1	D	48.020	AGREED
N3-010583	6	LS IN	LS on data rates for CS data services in UTRAN [GP-012792]					NOTED
N3-010584	9.2	CR	Drafting changes to Introduction and scope clauses					WITHDRAWN
N3-010585	9.2	CR	Drafting changes to general and network characteristics clauses					WITHDRAWN
N3-010586	9.4	WID	Updated Work item description sheet for Service Change and UDI Fallback					AGREED
N3-010587	9.4	CR	Service Change and Fallback from UDI Multimedia to Speech	071	1	C	27.001	REVISED TO 0607
N3-010588	9.4	CR	Service Change and Fallback from UDI Multimedia to Speech	046	1	C	29.007	POSTPONED to CN3#21
N3-010589		LS OUT	LS on "data rates for CS data services in UTRAN"					APPROVED
N3-010590	9.5	CR	New terminology requested by GERAN	070	3	D	27.001	AGREED
N3-010591	9.5	CR	New terminology requested by GERAN	008	3	D	27.002	AGREED
N3-010592	9.5	CR	New terminology requested by GERAN	009	3	D	27.003	AGREED
N3-010593	9.5	CR	New terminology requested by GERAN	032	1	F	23.910	AGREED
N3-010594	9.6	CR	New terminology requested by GERAN	016	2	D	27.060	AGREED
N3-010595	9.1	TS	New version of 29.162				29.162	REVISED TO 0606
N3-010596	9.6	CR	New terminology requested by GERAN	006	3	D	24.022	AGREED
N3-010597	9.6	CR	New terminology requested by GERAN	044	2	D	29.007	AGREED

TDoc #	Age	Type	Tdoc Title	CR #	Rev	CAT	Spec	Status
N3-010598	9.6	CR	New terminology requested by GERAN	035	2	D	29.061	AGREED
N3-010599	9.3	[CR]	QoS Authorisation				29.208	REVISED TO 0608
N3-010600	9.3	[CR]	QoS Signaling flows - with SBLP				29.208	POSTPONED to CN3#21
N3-010601	9.3	[CR]	Session Flow: QoS Interaction Procedures				29.208	REVISED TO 0609
N3-010602		LS OUT	LS on "the addition of the H.324 M codec to TS 26.103 "					APPROVED
N3-010603		[CR]	Proposed new clause in 29.208				29.208	AGREED
N3-010604		LS OUT	LS OUT to GERAN 1					REVISED TO 0616
N3-010605	9.2	TS	Latest version of 29.163				29.163	REVISED TO 0613
N3-010606	9.1	TS	Latest version of 29.162				29.162	AGREED
N3-010607	9.4	CR	Service Change and Fallback from UDI Multimedia to Speech	071	2	C	27.001	POSTPONED to CN3#21
N3-010608	9.3	[CR]	QoS Authorisation				29.208	AGREED
N3-010609	9.3	[CR]	Session Flow: QoS Interaction Procedures				29.208	AGREED
N3-010610	9.3	LS OUT	LS on "mapping of CODEC values"					APPROVED
N3-010611	9.3	TS	Latest version of 29.207				29.207	REVISED TO 0614
N3-010612	9.3	TS	Latest version of 29.208				29.208	AGREED
N3-010613	9.2	TS	Latest version of 29.163				29.163	AGREED
N3-010614	9.3	TS	Latest version of 29.207				29.207	provided by e-mail
N3-010615	10	REPORT	CN3 Status report to CN#14					APPROVED
N3-010616		LS OUT	LS OUT to GERAN 1					email approval

Annex C: Access to 3GPP documents

This document briefly outlines some of the more important locations of information that all TSG_CN WG3 members should be aware of.

3GPP email lists:

To receive information about CN3 issues, all delegates and other interested parties <u>MUST</u> register for email list **3GPP_TSG_CN_WG3**. This can be done by sending an email to LISTSERV@LIST.3GPP.ORG with the following single line of text in the body of the message:

```
subscribe  3GPP_TSG_CN_WG3  YourFirstName  YourLastName
```

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

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

```
QUERY *
```

Email archives:

All 3GPP lists have an associated <u>archive of every email sent</u> via that list. Information on how to access the archive is sent to you when you subscribe to the list. This means that if you have temporary email problems, or have just joined the group, you can check to see if you have missed any messages. The easiest was to search the archive is first to request a list of all messages sent to the particular group you are interested in. For example, to get a list of messages sent via the **3GPP_TSG_CN_WG3** list between 1st Jan 1999 and the current date, send the following command to LISTSERV@LIST.3GPP.ORG:

```
search * in 3GPP_TSG_CN_WG3 since Jan 1999
```

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

Some 3GPP archives are also available via a new user-friendly WWW interface. For CN3, go to: http://list.3gpp.org/archives/3gpp_tsg_cn_wg3.html

Meeting calendar:

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

Documents on the server:

All documents submitted to CN3 meetings will be made available on the 3GPP document server in a directory (related to the number of the meeting) under: ftp://ftp.3gpp.org/TSG_CN/WG3/
e.g. the documents for CN3 meeting #8 can be found at:
ftp://ftp.3gpp.org/TSG_CN/WG3_interworking/TSGN3_08/Tdocs/

History

Document History	
1st December 2001	Draft v1.0.0 distributed to CN3 chairman for comments
7th December 2001	DRAFT v1.1.0 dispatched by e-mail exploder to the CN3 list. Comments, if any, to be addressed to: David Boswarthick, 3GPP TSG-CN3 Support MCC - ETSI Secretariat Tel :+33 (0)4 92 94 42 78 e-mail: *david.boswarthick@ETSI.fr* A deadline of 4 weeks was given to the CN3 delegates for e-mail comments on the draft report. **Comments back by 7th January 2002**
16th Jan 2002	Updated DRAFT v2.0.0 placed to the server
29th Jan 2002	N3-020002 approved and placed to the server as v3.0.0.