DRAFT

Third Generation Partnership Project

DRAFT STATUS REPORT v1.0.0

3GPP TSG-CN#15

Cheju, Korea.
6th - 8th March, 2002

Hosted by Telecommunications Technology Association

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CN Chairman's Executive Summary

The volume of pre-Release 5 CRs has dropped considerably. The only exception is CAMEL Phase 3. It was noted that CN2 will more tightly enforce the definition of an "essential correction" in order to stabilize the specifications.

Considerable progress has been made on IMS, however it will not be ready before June. The table below reflects the overall status of the IMS items:

Work Item (CN portion)	% cmplt	Date	Notes
Call Control in IMS	83%	Jun 02	
Access Security for IMS	0%	Jun 02	At Risk
End-to-End QoS	75%	Jun 02	
Interworking – IMS <-> IP	52%	Mar 03	In Rel5?
Interworking – IMS <-> CS	80%	Dec 02	In Rel5?
OSA for IMS	70%	Jun 02	
CAMEL for IMS	31%	Jun 02	At Risk

Most of the Release 5, non-IMS work items are also delayed until June as shown in the following table.

Work Item (CN portion)	% cmplt	Date	Notes
CAMEL Phase 4	80%	Jun 02	
OSA Enhancements	66%	Jun 02	
WB-AMR	95%	Jun 02	
Service Change & UDI fallback	90%	Jun 02	
Security Enhancements	15%	Jun 02	At Risk
IuFlex (intra domain conn…	100%	Mar 02	

Note that the percentages in both of these tables represent the CN portions of the work items and the %'s are derived from the updated project plan.

It was agreed that exceptions for late delivery in Rel 5 will be requested for those items targeted for completion in June 2002. For the two interworking items it will be noted that there is no consensus in CN as to whether the work should remain as part of Rel5. It should be noted that for IMS to CS interworking, the delay is due to the delayed completion of a critical ITU-T reference. The CN part of the work on IMS to CS interworking is mostly complete.

Furthermore, IETF work is also progressing. The work has been organized into bundles and the RFC numbers for bundles 0&1 (**NP-020134**) were delivered before the close of the CN#15 meeting. Discussions on the contents and delivery dates of the 2 remaining bundles are still ongoing, but the intention from both sides is to have the necessary deliverables completed by CN#16.

The following specifications were put under change control: **23.218, 24.228, 24.229**. Only **23.218** was functionally frozen. In addition it was agreed that the creation of Release 5 versions of **23.078, 29.078, 29.198-3, 29.198-4, 29.198-5 and 29.198-12** would be delayed until CN#16.

A new work item was approved for the Sh interface (AS-HSS) (**NP-020062**). Other updated work items which were agreed were (**NP-020061, NP-020090, NP-020091, NP-020092)** The proposed work item for the support of CAMEL by IMS (**NP-020046**) was seen, but referred to CN2 in order to get it's endorsement of the WI. The work continues with the assumption that it is targeted for June 2002. A second proposed work item on the CN portions of MBMS (**NP-020088**) was referred to CN1, CN3 & CN4 for review and endorsement.

There was considerable discussion on the CN1 impacts due to Service Change and UDI fallback, and the new requirements from SA1 (ISUP interworking). Ultimately it was agreed to allow until June to introduce interworking with ISUP and clarification of the handling with pre-Release 99 mobiles.

Considerable time was spent updating the work plan slides and the work plan itself. The MCC will integrate the changes into the work plan and slides before presentation to SA#15. The updated work plan slides and work plan will be distributed on the CN mailing list after presentation to SA.

1   Opening, of the meeting

Mr. Richard Brook [Samsung] welcomed the delegates to Cheju-do on behalf of the hosts TTA.
The meeting was chaired by Mr. Stephen Hayes, (Chair, Ericsson). Additional support was provided by Mr. Ian Park (Vice-Chair, Vodafone), Mr. Kunihiko Taya (Vice-Chair, NEC), and Mr. David Boswarthick (CN Secretary, MCC).

2   Approval of the agenda

NP-020001   **Draft agenda for CN #15 meeting, Korea.** *MCC.* **APPROVED.**

NP-020002   **Allocation of documents to agenda items (start of day 1).** *CN vice-chairman.* **NOTED.**

NP-020003   **Allocation of documents to agenda items (end of day 1).** *CN vice-chairman.* **NOTED.**

NP-020004   **Allocation of documents to agenda items (end of day 2).** *CN vice-chairman.* **NOTED.**

NP-020005   **Allocation of documents to agenda items (end of day 3).** *CN vice-chairman.* **NOTED.**

3   IPR declarations

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

4   Meeting Reports

4.1   Report from CN#14 meeting

NP-020007   Draft report from CN #14 meeting, Kyoto. *MCC.* **APPROVED.**

4.2   Reports from other groups

NP-020017   Agreed position on the question of 3 digit mobile network code. *GSM Europe.*
Content: GSME organised a workshop in order to bring together all players involved during discussions on 3 digit MNCs. .The workshop agreed that no *further work was needed on the question of 3 digit Mobile Network Code*.
This will also be presented to SA#15 where 3GPP are asked to agree to this position.
Comments: 3 digit Mobile Network Code is still considered an exceptional case in North America. This decision relates only to Europe. There is text on this in TS 24.008 that does not need to be modified. **Stephen will report to SA#15 that CN concur with this statement. NOTED.**

4.3   IETF Coordination Report

NP-020018   3GPP IETF Dependencies and Priorities. *CN Chairman.*
Content: Contains the latest status of key IETF documents. There are a lot less High risk items than previously due to the fact that some of our Rel-5 WI's will be postponed to June 2002.
Comments: CN5 has a dependency on IETF 3rd party - this needs to be added.
Hannu Hietalahti [CN1 chair] mentioned that CN1 have critical dependencies on Items 25-27 (signalling compression) and 32-34 (authentification) that have no date. Andrew Allen [dynamicsoft] suggested adding impacted specifications - this was not agreed..
Stephen encouraged individual companies to add support to the work in the IETF. It is expected that 3GPP2 will also have similar dependencies ands will add additional weight to the 3GPP - IETF effort
Stephen also called for input from the working groups and individuals in order to update and maintain this IETF document. **NOTED.**

4.4   CN Chairman's Report

No input.

5 Incoming liaisons

5.1 From TSG-CN working groups

NP-020011   **Re. to LS on Configuration of ciphering [N1-020444].** *from CN1.*
Content: CN1 requests clarification from SA3 on requirement for the UE to clear unciphered connections.
Comments: CN1 does not object the requirement but points out that just stating that the unciphered connections shall be cleared is not sufficient service requirement to build the feature which is seen as necessary. It was felt in CN1 that this is a critical feature and therefore more detailed requirements on which connections to clear and how the UE must behave after that are needed.
NOTE: SA3 have seen this and have set up an email discussion to progress work on this. This issue also has some implications on CN4. **DAB will ensure this LS is forwarded to CN4. Stephen will report to SA#15 that CN1 need a response before the next full SA meeting (May 2002). NOTED.**

NP-020012   **LS on Service Change and Fallback for UDI/RDI Multimedia Calls [N1-020455],** *from CN1.*
Discussed under agenda item 9.13

5.2 From other 3GPP groups

NP-020009   **LS on Restoration of R'96 Any Time Interrogation functionality [S2-020276],** *from SA2*
Superseded by NP-020016 - NOTED.

NP-020016   **Re. to LS "Restoration of R'96 Any Time Interrogation functionality" [R3-020734],** from *RAN3.*
Content: RAN WG3 informs SA2 that no conclusive outcome was reached on this issue during Meeting #26, and an email discussion took place between Meetings #26 & #27. During RAN3 Meeting #27, still no agreement could be reached in solving the problem outlined in the liaison from SA2. This LS proposes a set of actions on other groups.
Comments: There is no impact on CN or the CN WGs. **NOTED.**

NP-020010   **LS on "Prefix allocation for IPv6 stateless address autoconfiguration" [S2-020326],** *from SA2*
Comments: CN3 have seen this LS (although not S2-020910 below). **superseded by NP-020014 - NOTED.**

NP-020014   **LS on "Prefix allocation for IPv6 stateless address autoconfiguration" [S2-020910],** *from SA2.*
Content: SA2 approved a Change Request to 23.060 modifying the IPv6 stateless address autoconfiguration procedure. SA2 asks the mentioned groups to consider these changes in their work and investigate possible impacts on their respective specifications.
Comments: CN1, CN2 and CN3 have also been addressed on this LS and are expected to handle it. **NOTED.**

NP-020013   **LS on Service change and fallback for UDI/RDI multimedia calls [S1-020610]***, from SA1. .*
Discussed under agenda item 9.13

NP-020015   **LS on adapting to IETF improvements contained in "unified draft" [S2-020914]** *from SA2.*
Content: SA2 has discussed the recent improvements in SIP in unifying the early media, manyfolks and HEFRP which has been captured in the IETF draft "draft-rosenberg-sip-unify-00.txt". It is expected that these changes shall be included in the next update of SIPbis (and before the IETF last call process). In addition, the manyfolks draft as well as a new draft (draft-ietf-sip-update-00.txt) which addresses update of session related parameters without impacting session dialogs, will address the requirements identified in the unify draft. SA2 has agreed that 3GPP architecture shall adapt to these changes.
Comments: Keith Drage [Lucent] commented that SA2 should only indicate requirements and not tell CN1 what protocol to use. Also there are some potential problems about manyfolks_04 that need to be discussed in their next joint meeting. CN2 and CN5 are not addressed on this LS but it's content is useful. Keith Drage [Lucent] added that the information will only be relevant when CN1 have integrated this in the flows. **NOTED.**

NP-020132   **Response to email "NP-010710: AMR-WB TSs,** *from SA4.*
Discussed under agenda item 9.6

5.3 From other groups

NP-020098 **LS on Proposed joint activity on generic control mechanism for end-to-end QoS service control and signalling protocol development based on IP transfer capabilities and IP QoS classes,** *from ITU-T SG13.*

Comments: These LSs are referred to CN3 for information. *CN3 should note that SG.11 have not yet seen this input.* **DAB will ensure LS this is forwarded to CN3.** **NOTED.**

NP-020122 **Re. to liaison statement on Generic QoS Service Requirements,** *from ITU-T SG13.*

Comments: These LSs are referred to CN3 for information. *CN3 should note that SG.11 have not yet seen this input.* **DAB will ensure LS this is forwarded to CN3.** **NOTED.**

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6 Reports from TSG-CN working groups (& CN Ad Hocs)

6.1 Reporting from TSG-CN WG1

6.1.1 Status report from CN1

NP-020030 **Status Report for TSG CN WG1,** *CN1 chairman.*

Comments: CN Plenary *APPROVED* the proposed withdrawal of the following specifications:-
For R99:- 03.63, 04.63. **For Rel-4:-** 43.063, 44.063, 44.008, 23.814, 23.108.
JMM noted these decisions and will remove them from the specifications database, and he also reminded delegates that references to these documents will need to be removed from all other specifications.
The CN1 report was **NOTED.**

NP-020031 **CN1 SIPadhoc0201 Meeting Report,** *CN1 chairman.* **NOTED.**

NP-020032 **CN1#22 Meeting Report,** MCC. **NOTED.**

NP-020033 **CN1#22bis Meeting Report,** MCC. **NOTED.**

NP-020034 **All LSs sent from CN1 since TSG CN#14 Meeting,** MCC. **NOTED.**

NP-020035 **All LSs sent from CN1 since TSG CN#14 Meeting,** MCC. **NOTED.**

NP-020045 **CN1 IMS open items document,** *CN1 chairman.*

Content: This study has been done to identify the principal decisions still to be taken and other major open issues in the IMS specifications under CN1 control. The intention is not to take this open items list to the granularity of individual CRs. **NOTED.**

6.1.2 Questions for advice and decisions from CN1

No Input.

6.2 Reporting from TSG-CN WG2

6.2.1 Status report from CN2

NP-020050 **Status Report for CN2,** *CN2 chair [presented by Ian Park].*

Comments: Noted that the next CN2 meeting is not collocated with CN4, and there will be a need for rapid communication of 'related' results between the two groups.
CN Plenary *AGREES* not to approve the CRs in NP-020057 and 0058, that are only presented for information. Hence MCC will not produce a Rel-5 23.078 / 29.078 until June 2002. However this does not mean CAMEL4 will be pushed back to Rel-6.
CN4, CN2 and CN plenary *AGREE* in principle to the proposed split of CAMEL4 into subsets [as long as the proposed split is not too complicated, and can be achieved in a reasonable timescale]. 5 subsets seems to be the maximum that is reasonable.

NP-020051 **CN2#22 Meeting Report,** *MCC.* **NOTED.**

NP-020052 **LSs sent from CN2 since TSG CN#14 Meeting,** *MCC.* **NOTED.**

NP-020067 **CAMEL4 Editorial AdHoc meeting draft report,** *CN2 Vice-chairman.* **NOTED.**

6.2.2 Questions for advice and decisions from CN2

No Input.

6.3 Reporting from TSG-CN WG3

6.3.1 Status report from CN3

NP-020070 **Status Report for TSG CN WG3,** *CN3 Chairman.* No Action for plenary.

Comments: Bert Wijnen (IETF Area Director for Operations and Management) has raised a question about the necessity to standardise PIBs and about the usage of COPS-PR within 3GPP. Keith Drage clarified that this is because IETF ISG felt there were not enough supporting companies for the DIFSERV PIB and the FRAMEWORK PIB (a CN3 dependency). **NOTED.**

NP-020071 **CN3#21 Meeting Report,** *MCC.* **NOTED.**

NP-020072 **CN3#21bis Meeting Report,** *MCC.* **NOTED.**

NP-020073 **All LSs sent from CN3 since TSG CN#13 Meeting,** *MCC.* **NOTED.**

6.3.2 Questions for advice and decisions from CN3

No Input.

6.4 Reporting from TSG-CN WG4

6.4.1 Status report from CN4

NP-020020 **Status report from CN4,** *CN4 chairman.* No Action for plenary. **NOTED.**

NP-020021 **CN4 meeting reports after CN#14,** *CN4.* **NOTED.**

NP-020022 **CN4 Output LSs after CN#14,** *CN4.* **NOTED.**

6.4.2 Questions for advice and decisions from CN4

No Input.

6.5 Reporting from TSG-CN WG5

6.5.1 Status report from CN5

NP-020100 **Chairman's report from CN5 (slide presentation),** *CN5 Chairman.*

Comments: CN Plenary *AGREED* to the following CN5 requests:-

- All OSA Rel-4 deliverables (TS/TR) should automatically be upgraded to Rel-5 in March 2002 (TSG#15) excepting TS 29.198 Parts: 3, 4, 5 and 12 for which substantial CRs are expected in June 2002:
    - o for the OSA Framework (Part 3), where there is dialogue still ongoing with SA3 on security aspects,
    - o for Multimedia session control (Part 4), where the work is not yet progressed to the level needed and there is a dependency on IMS,
    - o for User Interaction (Part 5), where there is an investigation still ongoing about the coupling with Call Control and
    - o for Content based charging (Part 12) where June 2002 allows for better synchronisation with the work in ETSI and Parlay.
- Delivery of new parts 29.198-13 (Policy Management), 29.198-14 (Presence & Availability Management) and 29.998-04-4 (ISC mapping) as version 1.0.0 in June 2002 (TSG#15 meeting) for Information and hopefully to be approved as v5.0.0. (The rationale behind the delivery of parts 13 and 14 in June is that the work comes from different fora, and was integrated with the rest of OSA during the last meeting but some review time is still needed. Furthermore, it allows for better alignment from the start with ETSI and Parlay who will have their release planned also in June. For part 04-4 (the ISC mapping), the work is dependent on IMS and has not yet progressed enough).

In Summary: At CN#15, CN5 request to upgrade to v5.0.0 the following 12 deliverables:

- TS 29.198 parts 1, 2, 6, 8, 11 and
- part 7 after implementation of the CR in NP-020113, as well as
- TR 29.998 parts 1, 4-1, 5-1, 5-4, 6 and 8.

At CN#16, CN5 expect to provide
- substantive CRs to 29.198 parts 3, 4, 5 and 12, as well as
- 3 new draft v.100 deliverables for:
- TS 29.198 part 13 (Policy Management) and
- part 14 (Presence & Availability Management), as well as
- TR 29.998-04-4 (ISC mapping).

The CN5 meeting report was **NOTED.**

NP-020101 **LSs outgoing from CN5 between CN#15 and CN#16,** *CN5.* **NOTED.**

NP-020102 **Draft Report of CN5#16 Hong Kong, CHINA, 5-8 Feb 2002 (N5-020007),** *CN5 Chairman.* **NOTED.**

NP-020103 **OSA APIs presentation and tutorial (N5-020130),** *CN5.* **NOTED.**

6.5.2 Questions for advice and decisions from CN5

No Input.

6.6   Status ITU-T Ad Hoc Group

NP-020087 **ITU-T Ad Hoc Stats Report,** *ITU-T Ad Hoc Convenor.*
The TSG CN ITU-T Ad Hoc did not hold any physical meetings, but the convenor (Mr. Yun Chao Hu, LM Ericsson) received a number of notifications of Communication Letters that have been sent to several ITU-T Study Groups (SGs).

Comments: Communications to the ITU-T <u>MUST</u> go via individual members. The term 'Endorsed by 3GPP' means it has been agreed by the PCG, ITU-T and / or ITU-R ad-hocs. However PCG approval is NOT required for 3GPP communication to ITU-T or ITU-R
ITU-T have sent us a communication (not yet received), asking for the list of 3GPP Rel-4 specifications. The question is which point in time should we reference Rel-4 (note there is a need for synchronization between TSG-CN to ITU-T and TSG-RAN to ITU- R). The report was **NOTED.**

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7   Release 99 & earlier: Approval of contributions (by Work Item)
NOTE - R99 IS FROZEN. ONLY CAT F and CAT A CRS ALLOWED

7.1   CAMEL Phase 2

No Input.

7.2   CAMEL Phase 3

NP-020023 **Camel 3 CR Pack,** *CN4.* **APPROVED.**

NP-020054 **CRs to R99 and Rel-4 WI CAMEL3, Pack 1,** *CN2.* **APPROVED.**

NP-020055 **CRs to R99 and Rel-4 WI CAMEL3, Pack 2,** *CN2.* **APPROVED.**

NP-020056 **CRs to R99 and Rel-4 WI CAMEL3, Pack 3***, CN2.* **APPROVED.**

7.3   Security

No Input.

7.4   GSM maintenance

No Input.

7.5   EDGE

No Input.

7.6   Multimedia

No Input.

7.7 Out of Band Transcoder Control

No Input.

7.8 ASCI

No Input.

7.9 Call Deflection

No Input.

7.10 CCBS

No Input.

7.11 CF Enhancements

No Input.

7.12 GPRS

NP-020036 **CR to Rel-5 on Work Item GPRS towards 24.008**, *CN1.* **WITHDRAWN before presentation.**

NP-020080 **CR Pack for GPRS,** *CN3.* **APPROVED.**

7.13 GTP enhancement

NP-020024 **CR pack on GTP Enhancement,** *CN4.* **APPROVED.**

7.14 Handover

No Input

7.15 GSM-UMTS interworking (inc PLMN selection)

NP-020037 **CR to R99 (with mirror CRs) on Work Item GSM/UMTS interworking towards 29.018,** *CN1.* **APPROVED.**

7.16 Location services

No Input.

7.17 MNP

No Input.

7.18 Multicall

NP-020025 **CR pack on Multicall,** *CN4.* **APPROVED.**

7.19 QoS enhancements

NP-020038 **CR to R99 (with mirror CRs) and Rel-5 on Work Item QoS towards 24.008,** *CN1.*
Comment: JMM [MCC] was concerned about having normative text in Notes - after some discussion this was allowed to remain in this CR. **APPROVED.**

7.20 CS bearers in UMTS

No Input.

7.21 R99 Service cleanup

No Input.

7.22 TEI

NP-020026 **CR pack on TEI for R96,** *CN4.* **APPROVED.**

NP-020027 **CR pack on TEI for R98,** *CN4.* **APPROVED.**

NP-020028   **CR pack on TEI for R99,** *CN4.* **APPROVED.**

NP-020039   **CR to R99 (with mirror CRs) on Work Item TEI towards 24.008***, CN1.* **APPROVED.**

NP-020133   **CR to R99 with mirror CRs) on Work Item TEI towards 24.008***, Rapporteur.* Deletes the reference of 23.071 from the reference list.

Comments: The Mirror CRs should be shown as TEI (not TEI4 and TEI5) in CR dbase **APPROVED.**

7.23 Any Other R99 WI

No Input.

8   Release 4: Approval of contributions (by Work Item)
NOTE - REL-4 IS FROZEN. ONLY CAT F and CAT A CRS ALLOWED

8.1   Evolutions of the transport in the CN [CNTRSP]

NP-020019   **IPv4 Address Allocation Guidelines for GPRS Network Infrastructure & Mobile Terminals,** *BT Cellnet, Cingular Wireless.*

Content: Previously submitted at SA2#22 to inform delegates about work already completed by the GSM Association (GSMA) in conjunction with the regional internet registries (RIRs) regarding IPv4 address allocation guidelines for Rel-4 and earlier version GPRS network infrastructure and mobile terminals.

This information is being re-submitted at the TSG #15 Plenary meetings (TSGs CN, RAN, SA and T) now for the benefit of other 3GPP work groups, who might also require this information in their work. Highlights of GSMA IPv4 addressing guidelines, status of work on this subject and the specific reference to the full guidelines document published by the GSMA are presented in this paper. IPv6 addressing policy is for further study. **NOTED.**

8.2   Emergency call enhancements [EMC1-CS]
No Input.

8.3   Enable bearer independent CS architecture [CSSPLIT]

NP-020029   **CR pack on Bearer Independent CS architecture,** *CN4.* **APPROVED.**

NP-020082   **CR Pack for CSSPLIT,** *CN3.* **APPROVED.**

8.4   Facsimile [FAX]

NP-020081 **CR Pack for Facsimile,** *CN3.* **APPROVED.**

8.5   OSA enhancements [OSA1-ECOM]

NP-020104   **Rel-4 CRs 29.198-02,** *CN5.* **APPROVED.**

NP-020105   **Rel-4 CRs 29.198-03,** *CN5.* **APPROVED.**

NP-020106   **Rel-4 CRs 29.198-04,** *CN5.* **APPROVED.**

NP-020107   **Rel-4 CRs 29.198-05,** *CN5.* **APPROVED.**

NP-020108   **Rel-4 CRs 29.198-06,** *CN5.* **APPROVED.**

NP-020109   **Rel-4 CRs 29.198-07,** *CN5.* **APPROVED.**

NP-020110   **Rel-4 CRs 29.198-08,** *CN5.* **APPROVED.**

NP-020111   **Rel-4 CRs 29.198-11,** *CN5.* **APPROVED.**

NP-020112   **Rel-4 CRs 29.198-12,** *CN5.* **APPROVED.**

8.6   Transcoder Free Operation [TrFO]
No Input.

8.7   Tandem Free aspects for 3G and between 2G and 3G systems [TFO]
No Input.

8.8   Location Service enhancements [LCS1-PS]
No Input.

8.9   Ensure reliable QoS for PS domain (Master) [QoSPS]
No Input.

8.10 Security enhancements [SEC1]
No Input.

8.11 ASCI [ASCI]

No Input.

8.12 TEI_4

NP-020040 **CRs to Rel-4 on Work Item TEI4 towards 24.011, 44.064 and 44.065***, CN1* **APPROVED.**

NP-020060 **CR pack on TEI for Rel-4**, *CN4.* **APPROVED.**

8.13 Any otherRel-4 WI

No Input

9 Release 5

9.1 Provisioning of IP-based multimedia services [IMS]

NP-020069 **Current Status of 3GPP SIP related Internet Draft dependencies** *dynamicsoft*
REVISED to NP-020099

⇓ **REVISED** ⇓

NP-020099 **Current Status of 3GPP SIP related Internet Draft dependencies,** *dynamicsoft*

Comments: The IETF deliverables have been organized into a series of bundles.

Bundle 1 contains items that are already on the agenda for the forthcoming IESG meeting on 7th March. It is expected that these will have RFC numbers allocated by 8th March. [afternote: RFC numbers were received on 8th March; the information was provided in Tdoc NP-020134 – see below]. This bundle will fulfil all the dependencies needed on 2543bis, which will become the baseline for the SIP protocol. This bundle includes:

- draft-ietf-mmusic-sdp-ipv6
- draft-ietf-tls-aes
- draft-ietf-avt-amr
- draft-ietf-sip-rfc2543bis
- draft-ietf-mmusic-offer-answer
- draft-ietf-sip-100rel
- draft-ietf-sip-srv
- draft-ietf-sip-events

Bundle 2 includes items that are targeted to go to WG last call on 7th March. WG last call can be considered roughly equivalent to 3GPP working group approval. It is expected that these will have RFC numbers before 30th June 2002. This bundle includes:

- draft-ietf-sip-update
- draft-ietf-sip-manyfolks
- draft-ietf-sip-privacy
- draft-willis-sip-path (approved by the SIP WG - still needs IESG approval to be a Working Group item)
- draft-ietf-sip-call-auth (informational)

Bundle 3 contains additional items that are required by 3GPP for features such as Call transfer. It is expected that these will have RFC numbers by 30th June 2002. It was clarified in this meeting that the content of bundle 3 is net yet clear in the IETF.

- draft-ietf-sip-refer
- draft-ietf-sip-replaces

The document was **NOTED.**

NP-0200131 **SIP Integrity Protection for IMS,** *Ericsson.*

Content: The document proposes that:- the CN/SA3-joint meeting shall have the mandate to take a decision, which of the two mechanisms defined in TS33.203 shall be adopted for IMS Release 5. The IMS technical Stage 2 and Stage 3 specifications affected shall immediately be updated according to this decision. The issue should be brought to the attention of SA#15 such that SA can delegate this mandate to the CN/SA3-joint meeting.

Comments: It was commented that the collocated meeting in April 2002, needs to be an SA3 <u>full meeting</u> (not a selection of SA3 experts).

NOTES:

CN1 require clarification from SA3 on: integrity protection and clearing of unciphered calls
CN4 require clarification from SA3 on the Ze interface and Protection of GTP signalling
The document was **NOTED.**

NP-020047 **3GPP TS 23.218 v201 " "IP Multimedia (IM) Session Handling IP Multimedia (IM) call mode " for approval,** *CN1.*

APPROVED to be raised to v5.0.0 and FROZEN (no new functions for Rel-5). APPROVED.

NP-020048 **3GPP TS 24.228 v202 " Signalling flows for the IP multimedia call control based on SIP and SDP " for approval,** *CN1.*

Comments: *SPECIAL HANDLING OF 24.228:* As there are two CN1 WG meetings before CN#16 meeting, an interim version of 24.228 will be made (incorporating the CRs agreed in the first meeting) to be used as a basis for the CRs in the second WG meeting. CN plenary will see only a composite of the CR(s). CN plenary asks companies to support this and not object to CRs from the 1st meeting in the 2nd meeting.

APPROVED to be raised to v5.0.0 but NOT FROZEN. APPROVED.

NP-020049 **3GPP TS 24.229 v200 "IP Multimedia Call Control Protocol based on SIP and SDP Stage 3" for approval,** *CN1.*

SPECIAL *HANDLING OF 24.229:* Same as TS24.228.

APPROVED to be raised to v5.0.0 but NOT FROZEN. APPROVED.

NP-020061 **Updated WID: IP Multimedia CN Subsystem, CSCF-HSS (Cx) interface,** *CN4.* **APPROVED.**

NP-020062 **WID on Sh interface,** *CN4.*

Comments: Linked WIDs (9&10) are not IMS related. The dependency of IETF Diameter RFC is missing (for both the Sh and Cx interface). These changes are not required at this meeting and can be examined at the next CN4 meeting.

The working assumption in CN4 is that the Sh interface will be based on Diameter.There was some concern that CN12bis had no remit to select Diameter as the protocol for the Sh interface. After some examination of meeting reports it was concluded that CN12bis had full remit to choose the protocol of the Sh interface, and the Diameter protocol was validly selected. The timescale for completion is June 2002, however the required protocol is only a subset of the Cx interface protocol, with only relatively little work required. The risk of slippage beyond June is very low, and the **Work is targeted for (late) Rel-5.** The document was **APPROVED.**

NP-020074 **WID: Interworking between IM and IP,** *CN3.*

Comments: Comments to 29.229 are no longer valid and should be removed. The large delay (completion March 2003) is due to the work remaining on 3GPP SIP and IETF SIP interworking and IPv4 and IPv6 interworking yet to be completed in SA2.

The analysis (that is proposed to be held in a TR or an existing TS) is not documented in this WID and the details (at least the completed by date) need to be reflected. It was proposed to add TR ab.cde to the new specifications section so that this can be used to hold information relating to this analysis. The document was **REVISED to NP-020089.**

⇓ **REVISED** ⇓

NP-020089 **Rev. WID: Interworking between IM and IP,** *CN3.*

Comments: Add the TR ab.cde with CN3 as prime respo. and CN1 as 2nd respo. *It was agreed that CN1 should NOT be secondarily responsible for the TR ab.cde and 29.162.*
Error in the dates for the new TR ab.cde. (2002 -> 2003)
BT and Lucent supported asking SA for a late delivery in Rel-5 (not Rel-6). However Ericsson expressed the desire to have Rel-5 completed by June (hence push this WID out to Rel-6)
Stephen will report this to SA#15 and ask them to take the decision.
The document was **REVISED to NP-020091.**

⇓ **REVISED** ⇓

NP-020091 **Rev. WID: Interworking between IM and IP,** *CN3.* **APPROVED.**

NP-020075 **WID: Interworking between IM and CS,** *CN3.*

Comments: Dates for the work on TS 24.228 are missing.
The dates and details of the ITU-T dependencies for ITU-T Q.1912.SIP (SIP to BICC / ISUP interworking) and Q.2150.3 (SCTP) are missing. It was commented that the ITU-T delivery in November 2002 is because of incorporation of IETF dependencies and Steve Mecrow suggested CN3 could accelerate their work and possibly complete earlier than June 2003 (for inclusion in Rel-5).
It was agreed to change the WID to show completion of the TS by December 2002. *Note: This is in the middle of the ITU-T accelerated approval process - and the references to final ITU documents can be added after the approval of TS.*

Keith Drage said this does not exclude manufacturers creating proprietary solutions for Interworking between IM and CS in the Rel-5 timeframe.
The document was **REVISED to NP-020090.**

⇓ **REVISED** ⇓

NP-020090   **Rev. WID: Interworking between IM and CS,** *CN3.*

BT and Lucent supported asking SA for a late delivery in Rel-5 (not Rel-6). However Ericsson expressed the desire to have Rel-5 completed by June (hence push this WID out to Rel-6).
Steve Mecrow [BT] stated that as the TS in CN3 is almost complete he would like to see this brought to December plenary and simply reference the ITU documents (in what ever form they are at that point). This means that interworking between IM and CS can still be included in Rel-5.
This was <u>not agreed</u> by CN plenary - and Stephen will simply report the status to SA.
Stephen will report this to SA#15 and ask them to take the decision.
The document was **APPROVED.**

NP-020076 **TS 29.162v1.0.0,** *CN3.* Presented for information only. **NOTED.**

NP-020077 **TS 29.163v1.2.0,** *CN3.* Presented for information only. **NOTED.**

NP-020134   **RFC numbers allocated from the IETF** *CN Chair*

Note: although the RFC numbers have been allocated by the IETF, the actual documents do not yet exist. These RFC numbers will to be used to replace the IETF drafts for references in the CN specifications. For TS 23.218, this will be done by MCC. For other CN specifications the changes will be made by the usual change request process at the next WG meetings.
References to 2543 are now obsolete and need to be removed from SA1 specifications. Stephen will also present this document to SA#15.
NOTED.

9.2   Emergency call enhancements [EMC1-PS]

No Input.

9.3   VHE enhancements [VHE1]

No Input.

9.4   OSA enhancements [OSA1]

NP-020113 **Rel-5 CRs 29.198-07,** *CN5.* **APPROVED.**

9.5   CAMEL Phase 4 [CAMEL4]

NP-020068   **Reconsideration of CAMEL4 release date,** *Siemens AG.*

Content: In this document Siemens propose that the release date of CAMEL4 be postponed until TSG CN#16 plenary (June 2002). Also CN should not allow any new features to be added for CAMEL4. CAMEL4 being an essential part of Rel-5.

Comments: This proposal relates only to the CN2 documents (23.078 and 29.078), not the CN4 CRs for CAMEL4 that are presented to CN#15 for approval(NP-020063).
Lucent, Siemens Motorola and Vodafone support CAMEL4 as an essential part of Rel-5.
It is important that the 3GPP work plan reflects the completion date for CAMEL4 as June 2002.
CN Plenary agreed to the proposal and will ask SA#15 for a Rel-5 extension on CAMEL4 until June 2002. The document was **NOTED.**

NP-020057   **Draft TS 23.078 for Rel-5 (CAMEL4 collective CR),** *CN2.* **NOTED.**

NP-020058   **Draft TS 29.078 for Rel-5 (CAMEL4 collective CR),** *CN2.* **NOTED.**

NP-020059   **Draft TS 23.278 v 1.1.0,** *CN2.* Presented for info only - estimated at 60% complete. **NOTED.**

NP-020063   **CR pack on CAMEL Phase 4,** *CN4.* NOTE: CR to 29.002CR386r4 contains various CR editors notes requesting checking by the rapporteur. This checking has been done - and the CR editors notes will NOT be incorporated into the updated spec. Also 23.008CR39r1 is shown as F - it should be CAT B. **APPROVED.**

9.6 Wideband Telephony Service - AMR [AMRWB]

NP-020097 **AMR-WB WI discussion,** *Nokia.*

Contents: Includes an evaluation document of the CN WI on AMR-WB as well as the CR on Codec fallback in TrFO Call Establishment to External Network. Both documents have been approved in CN4. The document proposes to mark the CN4 WI on AMR-WB in 3GPP work plan as 95% completed and to keep it in Rel-5.

Comments: CN agreed that only lawful interception remains to be completed for AMR-WB in CN4 [UID-14005]. Expected completion is still June 2002 It was agreed that UID 14005 can be changed to 95% complete
The document was **NOTED.**

NP-020132 **Response to email "NP-010710: AMR-WB TSs,** *from SA4.*

In this LS SA3-LI response to a request from SA4 relating to AMR Wideband technical specifications. SA3-LI are still assessing the potential additions needed for lawful interception, and have determined that the impact of any changes should not cause problems to the SA4 specifications. Any impact on lawful interception should be handled within the LI -specifications. **NOTED.**

9.7 Location Service Enhancements [LCS1-EBP]

NP-020064 **CR pack on Location Service Enhancements,** *CN4.* **APPROVED.**

9.8 End to End QoS [QoSPS]

NP-020086 **WID: End to End QoS Stage 3,** *CN3.*

Comments: Completion date has been moved to June 2002, and the work has been split. The work in the CN1 area [NP-020044] is presented to this meeting (not NP#16 as mentioned in this document). **REVISED to NP-020092.**

⇓ **REVISED** ⇓

NP-020092 **Rev. WID: End to End QoS Stage 3,** *CN3.* **APPROVED**

NP-020078 **TS 29.207v1.0.0,** *CN3.* provided for information only. **NOTED.**

NP-020079 **TS 29.208v1.0.0,** *CN3.* provided for information only. **NOTED.**

9.9 Security enhancements [SEC1]

No Input.

9.10 Intra Domain Connection of RAN Nodes to multiple CN nodes [MULCN]
NOTE: THIS WID IS COMPLETE (at NP#15) FOR REL-5.

NP-020065 **CR pack on Intra Domain Connection of RAN Nodes to multiple CN nodes,** *CN4.* **APPROVED.**

9.11 Support of Presence Capability [PRESNC]

No Input.

9.12 Display of Service Provider Name on UE [SPNAME]

No Input.

9.13 Service Change and UDI Fallback [SCUDIF]

NP-020012 **LS on Service Change and Fallback for UDI/RDI Multimedia Calls [N1-020455],** *from CN1.*

Content: Call setup with dual bearers is needed for fallback to speech in order to make this service work.

Comments: CN1 has technically reviewed the related CRs in NP-020041 (N1-020439-440) which were agreed conditionally. The condition is that the service requirement is confirmed by SA1 and that the referenced "clear mode" codec Q.765.5 can be standardised in time for Rel-5.

In addition to this some delegations were concerned because the procedure only works with BICC. ISUP support was desired. The proposed usage of the new call control repeat indicator IE also triggers a conditional error handling in any pre-R99 mobile because of reserved code point. This error handling means failure of call setup because of the SETUP message is rejected. A Pre-R99 network has two options - either the same approach to reject the call or some other implementation specific action. It was seen by some companies that these problems should be first corrected before accepting the proposal. The reply LS from SA1 is given in NP-020013. **NOTED.**

NP-020013   **LS on Service change and fallback for UDI/RDI multimedia calls [S1-020610]**, *from SA1.*

Content: SA1 has decided to add service requirements for service change and fallback, as well as for privacy. SA1 wants to emphasize that it considers interworking with ISUP networks to be important, and that the work item on Service change and fallback for UDI/RDI multimedia calls shall cover this issue. A proposed revised work item description is included with this LS.
SA1 asks CN to include ISUP interworking to the scope of the work item Service change and UDI fallback. **NOTED.**

NP-020095   **Status summary for service change and UDI fallback,** *Ericsson.*

Contents: The paper provides a summary of the status of the work item "service change and UDI fallback", and present clarifications to the concerns expressed by some delegations in CN1.

Comments: Ericsson believes that the CRs presented to this plenary are sufficient to complete the work for SCUDIF. There are some concerns in CN1 that a network supporting SCUDIF may have some problems with terminals that do not support this feature. Ericsson have provided changes to TR 23.972 to deal with this situation. Harald Dettner [Siemens] preferred that the solution be included in a TS and not in a report. It was agreed this work needs to be documented in TS24.008 (and possibly TR23.972).
Harald proposed sending this new material to CN1. This was supported by Iain Sharpe [Nortel] and Hannu [CN1 chair]. However there was support for resolving this in the meeting. Harald Dettner [Siemens] objected to this - requesting more time for expert checking.
CN plenary agreed to send this work to CN1 for further study. Also CN will request late delivery of SCUDIF in June for inclusion in Rel-5. NOTED.

NP-020041   **CRs to Rel-5 on Work Item SCUDIF towards 23.972 and 24.008,** CN1.Due to the issue raised in NP-020095, on ISUP interworking, the CRs were **SENT BACK TO CN1 for further checking.**

NP-020083   **CR Pack for SCUDIF,** *CN3.* Due to the issue raised in NP-020095, on ISUP interworking, the CRs were **SENT BACK TO CN3 for further checking.**

NP-020096   **Clean-up of TR 23.972 to align with REL-5 drafting rules,** *Ericsson.* **NOTED.**

Comments: As we have agreed to postpone SCUDIF until June 2002, there is little value added in approving this CR now. Siemens and Lucent formally objected to the CR. JMM also mentioned the need for some editing especially relating to use of terminology. **SENT TO CN1 for further checking.**

9.14 Any otherRel-5 WI

NP-020042   **CRs to Rel-5 on Work Item TEI5 towards 24.008,** *CN1.* **APPROVED.**

NP-020043   **CR to Rel-5 on Work Item IMS-CCR towards 24.008,** *CN1.* **APPROVED.**

NP-020044   **CR to Rel-5 on Work Item IMS-CCR towards 24.008,** *CN1.* **APPROVED.**

NP-020046   **Work Item Description for BB "Support of CAMEL by the IMS",** *Lucent Technologies.*
Provides a WID to clarify the work that needs to be done by CN for CAMEL support by the IMS, and provide some information to be added to the Workplan.

Comments: Orange France, NTT DoCoMo and Vodafone added their support for this work item. Others wished time to check back home if they could support.
Minor error: Modifications to existing spec. TS 23.078 should read 29.078.

The completion for CN#16 is seen as reasonable by Lucent. CN2 have not seen this WID, but are currently basing their work on the SA2 work item. Also, CN2 are not presently sure of which version of CAP should be used as a basis for the protocol for CAMEL control of IMS. This could result in a slip to the work beyond June 2002. Also, the status of IMS-CAMEL in the Rel-5 timescale is not clear.

Lucent pushed for having this WID approved at CN#15 in order to give some basis for the future work in this area. However as CN2 have not yet seen the WID, there was considerable support for sending it back to CN2 who will review it.

CN will request late delivery (June 2002) of this for inclusion in Rel-5. **REFERRED BACK TO CN2.**

NP-020066	**CR pack on TEI for Rel-5,** *CN4.* **APPROVED.**
NP-020084	**CR Pack for TEI (Single numbering scheme),** *CN3.* **APPROVED.**
NP-020085	**CR Pack for TEI (Terminology updates),** *CN3.* **APPROVED.**
NP-020094	**Draft WID for Multimedia Broadcast Multicast Services [MMBS],** *Hutchison 3G.*
	Revised before presentation. **REVISED to NP-020088.**

⇓ **REVISED** ⇓

NP-020088   **Ref. Draft WID for Multimedia Broadcast Multicast Services [MMBS]** *Hutchison 3G.*

Content: MBMS work has been progressed in SA1 and SA2 in documents TS 22.146 and TR 23.846. It has also been agreed to start work on MBMS within the RAN groups. This document proposes the WID for Multimedia Broadcast Multicast Services [MMBS]. CN1 have the primary responsibility for this WID.

Comments: Lucent added their support to this WID.
The completion date is September 2002 and the work is required for Rel-6
This WID has not been seen by CN1. CN plenary decided to refer this back to CN1 for checking. There was some concern that the non-approval of WIDS presented 'directly to plenary' become a precedent. However it was stated that this was decided case by case. **REFERRED BACK TO CN1, CN2 and CN3.**

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10   TSG CN work organization

10.1   Principles for work organization within CN

No Input.

10.2   Terms of Reference

NP-020053   **CN2 Terms of reference,** *CN2.*
CN2 should also consider including the Stage 2 for the Si interface in the CN2 ToR. This can be done in the next CN2 meeting. **APPROVED.**

10.3   Support Arrangements

No Input.

10.4   Working methods / Work Style

No Input.

10.5 Future Meeting Schedule

Mar 2002				
TITLE	**TYPE**	**DATES**	**LOCATION**	**CTRY**
3GPPCN-#15	OR	6 - 8 Mar 2002	Jeju Island	KR
Apr 2002				
TITLE	**TYPE**	**DATES**	**LOCATION**	**CTRY**
3GPPCN2-#23	WG	8 - 12 Apr 2002	Helsinki	FI
3GPPCN1-#23	WG	8 - 12 Apr 2002	Fort Lauderdale	US
3GPPCN3-#22	WG	8 - 12 Apr 2002	Fort Lauderdale	US
3GPPCN4-#13	WG	8 - 12 Apr 2002	Fort Lauderdale	US
3GPPCN5-#17/SPAN12	JM	8 - 12 Apr 2002	Sophia Antipolis	FR
May 2002				
TITLE	**TYPE**	**DATES**	**LOCATION**	**CTRY**
3GPPCN2#24	WG	13 - 17 May 2002	Budapest	HG
3GPPCN1-#24	WG	13 - 17 May 2002	Budapest	HG
3GPPCN3#23	WG	13 - 17 May 2002	Budapest	HG
3GPPCN4-#14	WG	13 - 17 May 2002	Budapest	HG
3GPPCN5-#18	WG	13 - 17 May 2002	Budapest	HG
Jun 2002				
TITLE	**TYPE**	**DATES**	**LOCATION**	**CTRY**
3GPPCN-#16	OR	5 - 7 Jun 2002	Marco Island, Florida	US
Jul 2002				
TITLE	**TYPE**	**DATES**	**LOCATION**	**CTRY**
3GPPCN5-#19	WG	8 - 12 Jul 2002	Montreal	CA
3GPPCN3-#24	WG	29 Jul - 2 Aug 2002	Helsinki	FI
3GPPCN2-#25	WG	29 Jul - 2 Aug 2002	Helsinki	FI
3GPPCN1-#25	WG	29 Jul - 2 Aug 2002	Helsinki	FI
3GPPCN4-#15	WG	29 Jul - 2 Aug 2002	Helsinki	FI
Sep 2002				
TITLE	**TYPE**	**DATES**	**LOCATION**	**CTRY**
3GPPCN-#17	OR	4 - 6 Sep 2002	Biarritz	FR
3GPPCN1-#26	WG	23 - 27 Sep 2002	North America	US
3GPPCN2-#26	WG	23 - 27 Sep 2002	North America	US
3GPPCN3-#25	WG	23 - 27 Sep 2002	North America	US
3GPPCN4-#16	WG	23 - 27 Sep 2002	North America	US
Nov 2002				
TITLE	**TYPE**	**DATES**	**LOCATION**	**CTRY**
3GPPCN1-#27	WG	11 - 15 Nov 2002	Thailand	
3GPPCN2-#27	WG	11 - 15 Nov 2002	Thailand	
3GPPCN3-#26	WG	11 - 15 Nov 2002	Thailand	
3GPPCN4-#17	WG	11 - 15 Nov 2002	Thailand	
Dec 2002				
TITLE	**TYPE**	**DATES**	**LOCATION**	**CTRY**
3GPPCN-#18	OR	4 - 6 Dec 2002	New Orleans	US

Mar 2003				
TITLE	TYPE	DATES	LOCATION	CTRY
3GPPCN-#19	OR	12 - 14 Mar 2003	Jersey Island	UK
Jun 2003				
TITLE	TYPE	DATES	LOCATION	CTRY
3GPPCN-#20	OR	11 - 13 Jun 2003	Finland	FI
Sep 2003				
TITLE	TYPE	DATES	LOCATION	CTRY
3GPPCN-#21	OR	17 - 19 Sep 2003	TBD	
Dec 2003				
TITLE	TYPE	DATES	LOCATION	CTRY
3GPPCN-#22	OR	10 - 12 Dec 2003	TBD	

11 Specifications in TSG-CN domain

NP-020114   **CR 008 to 21.101: "Correction to list of specs",** *MCC.* **WITHDRAWN.**

NP-020115   **CR 005 to 21.102: "Correction to list of specs",** *MCC.*
Ian Doig [Motorola] suggested that 23.063 & 24.063 need to be removed from the list. This change will be included before presentation of the document to SA#15. **NOTED.**

NP-020116   **TR 21.103 v1.1.0 "3rd Generation mobile system Release 5 specifications",** *MCC.*
 JMM invited comments to individual errors in this and all other related documents, to be passed directly to him.
 NOTED.

NP-020117   **CR 005 to 01.01: "GSM Release 1999 specifications,** *MCC.* **NOTED.**

NP-020118   **CR 004 to 41.102: "GSM Release 4 Specifications",** *MCC.* **NOTED.**

NP-020119   **41.103 v1.1.0 " GSM Release 5 specifications",** *MCC.*
It was suggested that the all the IMS and OSA specifications need to be added here. JMM welcomes comments on specs that are missing and need to be added. **NOTED.**

NP-020120   **Specs status list prior to TSGs#15,** *MCC.*

The status of CN#15 meeting will be included in this list before presented to SA. **NOTED.**

NP-020121   **List of specs / releases,** *MCC.* **NOTED.**

12 Review of 3GPP Work Plan

NP-020006   **3GPP Work Plan,** *MCC.* **POSTONED Friday.**

NP-020008   **3GPP Work Plan Presentation,** *MCC.*

Comment were taken on-line:-

> Slide 23: if SA3 do not make up their minds until June 2002, how can CN1 do their protocol work for completion in June 2002?
> Slide 24: CN4 have decided to include the SLF – CSCF protocol in the Cx protocol, but that isn't complete
> Slide 25: Add Dx, Sh & Si to bullet for Cx. Also need to identify the authentication, key transport & integrity protection issues.- Stephen proposes to have a slide listing each interface & its current status, inc expected completion, and another slide listing the functionalities (e.g. SIP header compression, lawful interception) with their current status. He also proposes to sort items by the percentage completion.
> Slide 26: CN1 intend not to work on IMS local services for Rel-5 (hence they'll move to Rel-6). Also, Si interface is related to CAMEL control of IMS.
> Slide 27: Target date for IMS – CS interworking is Dec 2002. Also, it's open question in CN whether IMS-PS and IMS-CS interworking is Rel-5 or Rel-6. Also there was an aligning of the terms "still not stable" and "not yet stable".
> Slide 28: redundant information; slide can be deleted.

Slide 30: CN1 have done some work on emergency call enhancements.
Slide 31: Outstanding issue on GTT in CN4. Need to check against meeting report for CN4#12bis.
Slide 32: CN believe this slide is out of date- Slide 34: Ard-Jan & Adrian Zoicas will provide updated information
Slide 35: draft CRs were presented to CN #15 for info.-
Slide 37: need to add mention of CAMEL split. The assessment of "little progress" on CAMEL control of IMS was disputed. To be changed to indicate divergent views on whether it will be done for June
Slide 40: to be updated to align with conclusion on document NP-020097-
Slide 42: Keith Drage points to CN1 not doing work on presence until September-
Slide 44: CN4 will be pushed to complete the protocol work for the Ze interface & NDS/IP by June, based on the availability of the outputs from SA3.

It was decided that interested experts would provide updates to specific areas of the slides. **[NP-020124 - 130]**

The slides were **REVISED to NP-020093 (and also see NP-020124 - 0130).**

NP-020093   **3GPP Work Plan Presentation,** MCC. Comments taken on-line and will fed to final version by MCC. **AGREED to be included in the SLIDEs.**

NP-020124   **IMS updates to work plan slides,** Lucent Technologies
IMS Li issues need to be removed from the IMS section of slides. Note Cx interface incorrectly listed as Dx in slide 7.

Decided to re-organise the slides into interface status:-

Dx - subset of Cx and no new work expected
Mr - pure SIP (RFC 3210)
Mc - analysis ongoing - no new package anticipated
Cx - dependant on IETF deliverables (complete June).
Sh - WI just defined (complete June).
Si - WI being defined (complete June).
Go - (complete June).

CN propose all items for inclusion in Rel-5 unless otherwise stated. Other categories include items that will definitely go to Rel-6, and items that will be delivered way outside of the Rel-5 timeframe and guidance is sought from SA. **REVISED to NP-0200135.**

NP-020135   **IMS updates to work plan slides,** Lucent Technologies.
Comments taken on-line and will fed to final version by MCC. **AGREED to be included in the SLIDEs.**

NP-020125   **OSA updates to work plan slides,** Ericsson.
Comments taken on-line and will fed to final version by MCC. **AGREED to be included in the SLIDEs.**

NP-020126   **CAMEL updates to work plan slides,** Vodafone.
As long as the proposed split of CAMEL is reasonable, CN believe that they can finish their work by June 2002. **AGREED to be included in the SLIDEs.**

NP-020127   **AMR-WB updates to work plan slides,** Nokia.
Comments taken on-line and will fed to final version by MCC. **AGREED to be included in the SLIDEs.**

NP-020128   **E2E QoS updates to work plan slides,** *Lucent Technologies.*
The dependencies on SA WG output needs to be added, more specifically the instability in 23.207. **AGREED to be included in the SLIDEs.**

NP-020129   **SCUDIF updates to work plan slides,** *Ericsson*
Addition of the ISUP interworking requirement from SA1. **AGREED to be included in the SLIDEs.**

NP-020130   **LCS updates to work plan slides,** *NTT DoCoMo.* **AGREED to be included in the SLIDEs.**

13 Postponed issues from earlier in the meeting

No Input.

14 Any other business

NP-020123 **Agenda for OHG "All-IP core network" harmonization workshop,** *CN Chairman*

Harmonization meeting to be held on April 3rd - 4th in Toronto. **NOTED***.*

15 Close of Meeting

The Chairman thanked the host, delegates and MCC for their participation, and closed the meeting at 17:30 on 8th March 2002.

ANNEX A:OUTPUT MATERIAL

A.1 Liaisons Approved to be sent following TSG CN meeting #15

NONE.

A.2 New TSs /TRs Approved at TSG CN meeting #15

TDoc #	Type	Spec	New	Tdoc Title	Source
NP-020047	TS	23.218	5.0.0	3GPP TS 23.218 "IP Multimedia (IM) Session Handling IP Multimedia (IM) call mode"	CN1
NP-020048	TS	24.228	5.0.0	3GPP TS 24.228 "Signalling flows for the IP multimedia call control based on SIP and SDP"	CN1
NP-020049	TS	24.229	5.0.0	3GPP TS 24.229 "IP Multimedia Call Control Protocol based on SIP and SDP Stage 3"	CN1

A.3 New / Revised Work Items Approved at TSG CN meeting #15

TDoc #	Tdoc Title	Source	Rel
NP-020061	IP Multimedia CN Subsystem, CSCF-HSS (Cx) interface	CN4	Rel-5
NP-020062	WID on Sh interface	CN4	Rel-5
NP-020090	Interworking between IM and CS	CN3	Rel-5
NP-020091	Interworking between IM and IP	CN3	Rel-5
NP-020092	End to End QoS Stage 3	CN3	Rel-5

A.4 Status of CRs following TSG CN meeting #15

Spec	CR	R.	Ph.	Cat	NP doc	WG doc	TSG status	Subject	V_Ver	N_Ver	WG	Workitem
23.018	096		R99	F	NP-020023	N4-020133	approved	Correction on the Active Location Retrieval description	3.10.0	3.11.0	N4	CAMEL3
23.018	098		Rel-5	A	NP-020023	N4-020135	approved	Correction on the Active Location Retrieval description	5.2.0	5.3.0	N4	CAMEL3
29.002	373		Rel-5	A	NP-020023	N4-020013	approved	Inclusion of complete ODB data for ATSI and NSDC	5.0.0	5.1.0	N4	CAMEL3
29.002	372	1	Rel-4	A	NP-020023	N4-020210	approved	Inclusion of complete ODB data for ATSI and NSDC	4.6.0	4.7.0	N4	CAMEL3
23.018	097		Rel-4	A	NP-020023	N4-020134	approved	Correction on the Active Location Retrieval description	4.5.0	4.6.0	N4	CAMEL3
29.002	371	1	R99	F	NP-020023	N4-020209	approved	Inclusion of complete ODB data for ATSI and NSDC	3.11.0	3.12.0	N4	CAMEL3
29.060	299	1	Rel-5	A	NP-020024	N4-020237	approved	Clarification on PDP address field and end user address	5.0.0	5.1.0	N4	GTP enhancement
29.060	308		R99	F	NP-020024	N4-020238	approved	Clarification on PDP address field and end user address	3.11.0	3.12.0	N4	GTP enhancement
29.060	298	1	Rel-4	A	NP-020024	N4-020236	approved	Clarification on PDP address field and end user address	4.3.0	4.4.0	N4	GTP enhancement
29.002	383		Rel-4	A	NP-020025	N4-020065	approved	Addition of Radio Resource List to the Forward Access Signalling operation	4.6.0	4.7.0	N4	Multicall
29.002	384		Rel-5	A	NP-020025	N4-020066	approved	Addition of Radio Resource List to the Forward Access Signalling operation	5.0.0	5.1.0	N4	Multicall
29.002	382		R99	F	NP-020025	N4-020064	approved	Addition of Radio Resource List to the Forward Access Signalling operation	3.11.0	3.12.0	N4	Multicall
29.002	406	1	Rel-4	F	NP-020026	N4-020249	approved	ODB alignment	4.6.0	4.7.0	N4	TEI4
29.002	405		R99	A	NP-020026	N4-020225	approved	ODB alignment	3.11.0	3.12.0	N4	TEI
29.002	407	1	Rel-5	A	NP-020026	N4-020250	approved	ODB alignment	5.0.0	5.1.0	N4	TEI4
09.02	A325		R96	F	NP-020026	N4-020222	approved	ODB alignment	5.16.0	5.17.0	N4	TEI
09.02	A327		R98	A	NP-020026	N4-020224	approved	ODB alignment	7.10.0	7.11.0	N4	TEI
09.02	A326		R97	A	NP-020026	N4-020223	approved	ODB alignment	6.11.0	6.12.0	N4	TEI
29.002	389	1	Rel-4	F	NP-020027	N4-020247	approved	Incomplete description of Restore Data parameters	4.6.0	4.7.0	N4	TEI
29.002	390	1	Rel-5	A	NP-020027	N4-020248	approved	Incomplete description of Restore Data parameters	5.0.0	5.1.0	N4	TEI
29.002	402		Rel-4	A	NP-020027	N4-020182	approved	Clarification on CODEC-Info	4.6.0	4.7.0	N4	TEI
29.002	388	1	R99	F	NP-020027	N4-020246	approved	Incomplete description of Restore Data parameters	3.11.0	3.12.0	N4	TEI

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29.002	401		R99	A	NP-020027	N4-020181	approved	Clarification on CODEC-Info	3.11.0	3.12.0	N4	TEI
29.002	403		Rel-5	A	NP-020027	N4-020183	approved	Clarification on CODEC-Info	5.0.0	5.1.0	N4	TEI
09.02	A324		R98	F	NP-020027	N4-020180	approved	Clarification on CODEC-Info	7.10.0	7.11.0	N4	TEI
09.02	A321	1	R98	F	NP-020027	N4-020245	approved	Incomplete description of Restore Data parameters	7.10.0	7.11.0	N4	TEI
23.016	023	2	Rel-4	A	NP-020028	N4-020253	approved	Clarification on overlapping data	4.0.0	4.1.0	N4	TEI
23.016	022	2	R99	F	NP-020028	N4-020252	approved	Clarification on overlapping data	3.7.0	3.8.0	N4	TEI
23.018	093	1	Rel-5	A	NP-020028	N4-020232	approved	MSISDN in Provide Roaming Number in case of MSP	5.2.0	5.3.0	N4	TEI
23.018	101	1	R99	F	NP-020028	N4-020261	approved	MSISDN in Provide Roaming Number in case of MSP	3.10.0	3.11.0	N4	TEI
23.018	092	2	Rel-4	A	NP-020028	N4-020262	approved	MSISDN in Provide Roaming Number in case of MSP	4.5.0	4.6.0	N4	TEI
29.232	025	2	Rel-5	A	NP-020029	N4-020214	approved	Naming convention for TDM resources	5.0.0	5.1.0	N4	CSSPLIT
29.232	026	2	Rel-4	F	NP-020029	N4-020218	approved	Correction of Bearer Modification Handling	4.3.0	4.4.0	N4	CSSPLIT
23.205	023	2	Rel-5	A	NP-020029	N4-020217	approved	Correction of Bearer Modification Handling	5.0.0	5.1.0	N4	CSSPLIT
23.205	022	2	Rel-4	F	NP-020029	N4-020216	approved	Correction of Bearer Modification Handling	4.3.0	4.4.0	N4	CSSPLIT
29.232	027	1	Rel-5	A	NP-020029	N4-020219	approved	Correction of Bearer Modification Handling	5.0.0	5.1.0	N4	CSSPLIT
23.205	020		Rel-4	F	NP-020029	N4-020076	approved	(G)MSC restoration	4.3.0	4.4.0	N4	CSSPLIT
29.232	024	2	Rel-4	F	NP-020029	N4-020213	approved	Naming convention for TDM resources	4.3.0	4.4.0	N4	CSSPLIT
23.205	021		Rel-5	A	NP-020029	N4-020077	approved	(G)MSC restoration	5.0.0	5.1.0	N4	CSSPLIT
29.018	028		Rel-5	A	NP-020037	N1-020201	approved	Addition of missing Mobile Station States for UMTS	5.0.0	5.1.0	N1	GS M/UMTS interworkin
29.018	026		R99	F	NP-020037	N1-020199	approved	Addition of missing Mobile Station States for UMTS	3.8.0	3.9.0	N1	GS M/UMTS interworkin
29.018	027		Rel-4	A	NP-020037	N1-020200	approved	Addition of missing Mobile Station States for UMTS	4.2.0	4.3.0	N1	GS M/UMTS interworkin
24.008	558	2	R99	F	NP-020038	N1-020445	approved	Conditions for including R97 QoS attributes in the QoS IE	3.10.0	3.11.0	N1	QoS
24.008	570	1	Rel-4	A	NP-020038	N1-020446	approved	Conditions for including R97 QoS attributes in the QoS IE	4.5.0	4.6.0	N1	QoS
24.008	564	1	Rel-5	F	NP-020038	N1-020379	approved	Handling for QoS profile parameter 'transfer delay'	5.2.0	5.3.0	N1	QoS
24.008	571	1	Rel-5	A	NP-020038	N1-020447	approved	Conditions for including R97 QoS attributes in the QoS IE	5.2.0	5.3.0	N1	QoS

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24.008	545		Rel-4	A	NP-020039	N1-020215	approved	Missing 3rd MNC definition	4.5.0	4.6.0	N1	TEI
24.008	544		R99	F	NP-020039	N1-020214	approved	Missing 3rd MNC definition	3.10.0	3.11.0	N1	TEI
24.008	546		Rel-5	A	NP-020039	N1-020216	approved	Missing 3rd MNC definition	5.2.0	5.3.0	N1	TEI
44.064	006		Rel-5	A	NP-020040	N1-020277	approved	Correction of references	5.0.0	5.1.0	N1	TEI4
44.064	005		Rel-4	F	NP-020040	N1-020276	approved	Correction of references	4.2.0	4.3.0	N1	TEI4
24.011	023		Rel-4	F	NP-020040	N1-020266	approved	Fixing references to 04.08 and to other GSM TS/TRs	4.0.0	4.1.0	N1	TEI4
44.065	002		Rel-4	F	NP-020040	N1-020278	approved	Correction of references	4.1.0	4.2.0	N1	TEI4
23.972	001	2	Rel-5	C	NP-020041	N1-020439	rejected	Service change and fallback for UDI/RDI multimedia multimedia calls	3.0.0	5.0.0	N1	SCUDIF
24.008	551	2	Rel-5	C	NP-020041	N1-020440	rejected	Service change and fallback for UDI/RDI multimedia multimedia calls	5.2.0	5.3.0	N1	SCUDIF
24.008	550	1	Rel-5	F	NP-020042	N1-020380	approved	Applicability of CM3 IE Modulation Capability information	5.2.0	5.3.0	N1	TEI5
24.008	537	1	Rel-5	B	NP-020042	N1-020438	approved	Mobile terminated call with single numbering scheme	5.2.0	5.3.0	N1	TEI5
24.008	520	2	Rel-5	F	NP-020042	N1-020381	approved	P-TMSI allocation in Attach procedure	5.2.0	5.3.0	N1	TEI5
24.008	556	3	Rel-5	B	NP-020043	N1-020456	approved	Upgrading PCO for supporting IMS services	5.2.0	5.3.0	N1	IMS-CCR
24.008	557	2	Rel-5	B	NP-020044	N1-020442	approved	Upgrading TFT for supporting IMS services	5.2.0	5.3.0	N1	IMS-CCR
23.078	388		Rel-4	A	NP-020054	N2-020169	approved	Correction to GPRS Dialogue Handler	4.3.0	4.4.0	N2	CAMEL3
23.078	379		Rel-4	A	NP-020054	N2-020078	approved	Exact wordings for Apply Charging and Apply Charging Report in GPRS	4.3.0	4.4.0	N2	CAMEL3
23.078	380		R99	F	NP-020054	N2-020107	approved	FCI handling harmonisation	3.11.0	3.12.0	N2	CAMEL3
23.078	386		R99	F	NP-020054	N2-020131	approved	Correction: CSI handling at several FEs	3.11.0	3.12.0	N2	CAMEL3
23.078	374		R99	F	NP-020054	N2-020031	approved	Correction to GPRS Dialogue Handler	3.11.0	3.12.0	N2	CAMEL3
23.078	381		Rel-4	A	NP-020054	N2-020108	approved	FCI handling harmonisation	4.3.0	4.4.0	N2	CAMEL3
23.078	376	1	R99	F	NP-020054	N2-020182	approved	Correction to Advice of Charge for MT calls	3.11.0	3.12.0	N2	CAMEL3
23.078	387		Rel-4	A	NP-020054	N2-020132	approved	Correction: CSI handling at several FEs	4.3.0	4.4.0	N2	CAMEL3
23.078	389		Rel-4	A	NP-020054	N2-020183	approved	Correction to Advice of Charge for MT calls	4.3.0	4.4.0	N2	CAMEL3
23.078	378		R99	F	NP-020054	N2-020077	approved	Exact wordings for Apply Charging and Apply Charging Report in GPRS	3.11.0	3.12.0	N2	CAMEL3

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23.078	383	1	Rel-4	A	NP-020055	N2-020195	approved	The waiting for new AC timers	4.3.0	4.4.0	N2	CAMEL3
23.078	392		Rel-4	A	NP-020055	N2-020213	approved	Clarification on NP check at DP2	4.3.0	4.4.0	N2	CAMEL3
23.078	384	1	R99	F	NP-020055	N2-020192	approved	Handling Disconnect From IP Forbidden IE in Play Announcement and Prompt And Collect User Information IFs	3.11.0	3.12.0	N2	CAMEL3
23.078	391	1	Rel-4	A	NP-020055	N2-020207	approved	MSISDN to be made available to MSC	4.3.0	4.4.0	N2	CAMEL3
23.078	385	1	Rel-4	A	NP-020055	N2-020193	approved	Handling Disconnect From IP Forbidden IE in Play Announcement and Prompt And Collect User Information IFs	4.3.0	4.4.0	N2	CAMEL3
23.078	382	1	R99	F	NP-020055	N2-020194	approved	The waiting for new AC timers	3.11.0	3.12.0	N2	CAMEL3
23.078	372	1	R99	F	NP-020055	N2-020178	approved	Clarification on NP check at DP2	3.11.0	3.12.0	N2	CAMEL3
23.078	390	1	R99	F	NP-020055	N2-020206	approved	MSISDN to be made available to MSC	3.11.0	3.12.0	N2	CAMEL3
23.078	373	2	R99	F	NP-020056	N2-020216	approved	Clarification on national values of the Called Party Number's Nature of Address field	3.11.0	3.12.0	N2	CAMEL3
29.078	242		Rel-4	A	NP-020056	N2-020215	approved	Correction to GPRS operation error handling	4.3.0	4.4.0	N2	CAMEL3
29.078	241		Rel-4	A	NP-020056	N2-020212	approved	Error handling for sequential TCAP Operation components	4.3.0	4.4.0	N2	CAMEL3
29.078	233	1	R99	F	NP-020056	N2-020181	approved	Error handling for sequential TCAP Operation components	3.10.0	3.11.0	N2	CAMEL3
23.078	393		Rel-4	A	NP-020056	N2-020217	approved	Clarification on national values of the Called Party Number's Nature of Address field	4.3.0	4.4.0	N2	CAMEL3
29.078	243		Rel-4	A	NP-020056	N2-020219	approved	Clarification on national values of the Called Party Number's Nature of Address field	4.3.0	4.4.0	N2	CAMEL3
29.078	238	1	Rel-4	A	NP-020056	N2-020191	approved	Mapping of CUG information from CAP to ISUP	4.3.0	4.4.0	N2	CAMEL3
29.078	234	3	R99	F	NP-020056	N2-020214	approved	Correction to GPRS operation error handling	3.10.0	3.11.0	N2	CAMEL3
29.078	232	2	R99	F	NP-020056	N2-020218	approved	Clarification on national values of the Called Party Number's Nature of Address field	3.10.0	3.11.0	N2	CAMEL3
29.078	237	1	R99	F	NP-020056	N2-020190	approved	Mapping of CUG information from CAP to ISUP	3.10.0	3.11.0	N2	CAMEL3
23.078	394		Rel-5	B	NP-020057	-	noted	Composite changes for CAMEL phase 4	4.3.0	5.0.0	N2	CAMEL3
29.078	244		Rel-5	B	NP-020058	-	noted	Composite changes for CAMEL phase 4	4.3.0	5.0.0	N2	CAMEL3
29.002	385		Rel-4	F	NP-020060	N4-020067	approved	Correction to AC version of gprsLocationInfoRetrievalContex	4.6.0	4.7.0	N4	TEI4
29.002	386		Rel-5	A	NP-020060	N4-020068	approved	Correction to AC version of gprsLocationInfoRetrievalContex	5.0.0	5.1.0	N4	TEI4
23.079	016		Rel-5	B	NP-020063	N4-020008	approved	Introduction of CAMEL Phase 4	4.0.0	5.0.0	N4	CAMEL4
23.018	082	2	Rel-5	B	NP-020063	N4-020260	approved	Introduction of CAMEL Phase 4	5.2.0	5.3.0	N4	CAMEL4

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23.018	100	1	Rel-5	C	NP-020063	N4-020288	approved	Transferring the MS classmark & IMEI to the gsmSCF	5.2.0	5.3.0	N4	CAMEL4
23.008	039	1	Rel-5	B	NP-020063	N4-020243	approved	Collective CRs against Camel4	4.1.0	5.0.0	N4	CAMEL4
29.002	368	4	Rel-5	B	NP-020063	N4-020300	approved	Collective CAMEL Phase 4 CR	5.0.0	5.1.0	N4	CAMEL4
23.083	009	1	Rel-5	B	NP-020063	N4-020009	approved	Introduction of CAMEL Phase 4	4.3.0	5.0.0	N4	CAMEL4
23.016	021		Rel-5	B	NP-020063	N4-020014	approved	Collective CR on 23.016	4.0.0	5.0.0	N4	CAMEL4
24.030	012		Rel-5	B	NP-020064	N4-020045	approved	Introduction of the "Requestor ID"	4.2.0	5.0.0	N4	LCS1
24.080	015	1	Rel-5	B	NP-020064	N4-020140	approved	Introduction of the "Requestor ID"	4.2.0	5.0.0	N4	LCS1
29.002	381	2	Rel-5	B	NP-020064	N4-020266	approved	Introduction of the "Requestor ID"	5.0.0	5.1.0	N4	LCS1
23.012	008	1	Rel-5	C	NP-020065	N4-020188	approved	Relaying of SendIdentification when IuFlex is applied	4.0.0	5.0.0	N4	IUFLEX
29.060	294	1	Rel-5	B	NP-020066	N4-020296	approved	Dangling PDP context handling	5.0.0	5.1.0	N4	TEI5
23.153	030	2	Rel-5	C	NP-020066	N4-020271	approved	Codec fallback in TrFO Call Establishment to External Network	4.3.0	4.4.0	N4	TEI5
29.060	291	1	Rel-5	F	NP-020066	N4-020244	approved	Clarification on the use of the Teardown indicator IE	5.0.0	5.1.0	N4	TEI5
29.060	300	3	Rel-5	B	NP-020066	N4-020309	approved	External Network Assisted Cell Change (NACC)	5.0.0	5.1.0	N4	TEI5
29.060	309	1	Rel-5	F	NP-020066	N4-020294	approved	GPRS Tunnelling Protocol (GTP) across the Gn and Gp Interface	5.0.1	5.1.0	N4	TEI5
23.008	038	5	Rel-5	B	NP-020066	N4-020196	approved	Addition of multimedia information elements	4.1.0	5.0.0	N4	TEI5
29.060	301		Rel-5	B	NP-020066	N4-020072	approved	Priority of a PDP Context at Inter-SGSN RA Update	5.0.1	5.1.0	N4	TEI5
29.060	297	1	Rel-5	F	NP-020066	N4-020293	approved	Re-define the attributions of GTP Information Element	5.0.0	5.1.0	N4	TEI5
29.061	039		Rel-5	A	NP-020080	N3-020079	approved	Change of associated attribute for 3GPP-NSAPI	5.0.0	5.1.0	N3	GPRS
29.061	038		Rel-4	A	NP-020080	N3-020078	approved	Change of associated attribute for 3GPP-NSAPI	4.3.0	4.4.0	N3	GPRS
29.061	037		R99	A	NP-020080	N3-020077	approved	Change of associated attribute for 3GPP-NSAPI	3.8.0	3.9.0	N3	GPRS
09.61	A031		R97	F	NP-020080	N3-020075	approved	Change of associated attribute for 3GPP-NSAPI	6.6.0	6.7.0	N3	GPRS
09.61	A032		R98	A	NP-020080	N3-020076	approved	Change of associated attribute for 3GPP-NSAPI	7.5.0	7.6.0	N3	GPRS
27.001	074	1	Rel-5	A	NP-020081	N3-020086	approved	Negotiation of parameter values for facsimile	5.0.0	5.1.0	N3	FAX
27.001	073	1	Rel-4	F	NP-020081	N3-020085	approved	Negotiation of parameter values for facsimile	4.6.0	4.7.0	N3	FAX

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29.414	006		Rel-4	F	NP-020082	N3-020061	approved	Update Reference to I.363.2	4.3.0	4.4.0	N3	CSSPLIT
29.007	046	4	Rel-5	C	NP-020083	N3-020091	rejected	Service Change and Fallback from UDI Multimedia to Speech	5.0.0	5.1.0	N3	SCUDIF
27.001	071	5	Rel-5	C	NP-020083	N3-020090	rejected	Service Change and Fallback from UDI Multimedia to Speech	5.0.0	5.1.0	N3	SCUDIF
29.007	049	1	Rel-5	B	NP-020084	N3-020099	approved	Mobile terminated call with single numbering scheme	5.0.0	5.1.0	N3	TEI5
27.001	075	1	Rel-5	B	NP-020084	N3-020100	approved	Mobile terminated call with single numbering scheme	5.0.0	5.1.0	N3	TEI5
29.415	005		Rel-4	D	NP-020085	N3-020063	approved	Add GERAN Iu mode to scope	4.2.0	4.3.0	N3	TEI5
29.414	007		Rel-4	D	NP-020085	N3-020062	approved	Add GERAN Iu mode to scope	4.3.0	4.4.0	N3	TEI5
43.010	005	1	Rel-5	D	NP-020085	N3-020092	approved	Terminology clarifications as requested by TSG GERAN	4.1.0	5.0.0	N3	TEI5
43.045	001		Rel-5	D	NP-020085	N3-020065	approved	Terminology clarifications as requested by TSG GERAN	4.0.0	5.0.0	N3	TEI5
29.198-02	010		Rel-4	F	NP-020104	N5-020149	approved	Ambiguous definition of TpAssignmentID	4.3.0	4.4.0	N5	OSA1
29.198-02	011		Rel-4	F	NP-020104	N5-020159	approved	Data type alignment in the common data types	4.3.0	4.4.0	N5	OSA1
29.198-03	026		Rel-4	F	NP-020105	N5-020095	approved	Include Operation Set as part of General Service Properties	4.3.0	4.4.0	N5	OSA1
29.198-03	029		Rel-4	F	NP-020105	N5-020160	approved	Update the interface names for alignment between 3GPP and ETSI/Parlay	4.3.0	4.4.0	N5	OSA1
29.198-03	028		Rel-4	F	NP-020105	N5-020140	approved	OSA Framework - Generate statistics records on behalf of another entity using genFaultStatsRecordReq	4.3.0	4.4.0	N5	OSA1
29.198-03	025		Rel-4	F	NP-020105	N5-020073	approved	Add missing inheritance in service agreement management interfaces	4.3.0	4.4.0	N5	OSA1
29.198-03	023		Rel-4	F	NP-020105	N5-020020	approved	Add P_INVALID_INTERFACE_TYPE exception to IpService.setCallback() and IpService.setCallbackWithSessionID()	4.3.0	4.4.0	N5	OSA1
29.198-03	024		Rel-4	F	NP-020105	N5-020046	approved	Replace erroneous mention of P_OSA_ACCESS by the correct value P_OSA_AUTHENTICATION	4.3.0	4.4.0	N5	OSA1
29.198-03	027		Rel-4	F	NP-020105	N5-020137	approved	Improved description of activityTestReq with respect to ServiceInstanceID	4.3.0	4.4.0	N5	OSA1
29.198-04	031		Rel-4	F	NP-020106	N5-020021	approved	Add P_INVALID_INTERFACE_TYPE exception to IpService.setCallback() and IpService.setCallbackWithSessionID()	4.2.0	4.3.0	N5	OSA1
29.198-04	034		Rel-4	F	NP-020106	N5-020072	approved	Clarification of ambiguous Event handling rules	4.2.0	4.3.0	N5	OSA1
29.198-04	033		Rel-4	F	NP-020106	N5-020031	approved	Correction of parameter name in IpCallLeg.routeReq() and in IpCallLeg.setAdviceOfCharge()	4.2.0	4.3.0	N5	OSA1
29.198-04	032		Rel-4	F	NP-020106	N5-020030	approved	Correction of Event Subscription/Notification Data Type	4.2.0	4.3.0	N5	OSA1
29.198-05	008		Rel-4	F	NP-020107	N5-020022	approved	Add P_INVALID_INTERFACE_TYPE exception to IpService.setCallback() and IpService.setCallbackWithSessionID()	4.3.0	4.4.0	N5	OSA1
29.198-06	008		Rel-4	F	NP-020108	N5-020023	approved	Add P_INVALID_INTERFACE_TYPE exception to IpService.setCallback() and IpService.setCallbackWithSessionID()	4.3.0	4.4.0	N5	OSA1

Spec	CR	R.	Ph.	Cat	NP doc	WG doc	TSG status	Subject	V_Ver	N_Ver	WG	Workitem
29.198-07	004		Rel-4	F	NP-020109	N5-020024	approved	Add P_INVALID_INTERFACE_TYPE exception to IpService.setCallback() and IpService.setCallbackWithSessionID()	4.3.0	4.4.0	N5	OSA1
29.198-08	005		Rel-4	F	NP-020110	N5-020025	approved	Add P_INVALID_INTERFACE_TYPE exception to IpService.setCallback() and IpService.setCallbackWithSessionID()	4.3.0	4.4.0	N5	OSA1
29.198-11	006		Rel-4	F	NP-020111	N5-020033	approved	Correction of parameter name in IpAccountManager.createNotification()	4.2.0	4.3.0	N5	OSA1
29.198-11	007		Rel-4	F	NP-020111	N5-020082	approved	Correction of result parameter of getNotification, set in stead of single result	4.2.0	4.3.0	N5	OSA1
29.198-11	005		Rel-4	F	NP-020111	N5-020026	approved	Add P_INVALID_INTERFACE_TYPE exception to IpService.setCallback() and IpService.setCallbackWithSessionID()	4.2.0	4.3.0	N5	OSA1
29.198-12	010		Rel-4	F	NP-020112	N5-020027	approved	Add P_INVALID_INTERFACE_TYPE exception to IpService.setCallback() and IpService.setCallbackWithSessionID()	4.2.0	4.3.0	N5	OSA1
29.198-12	011		Rel-4	F	NP-020112	N5-020034	approved	Correction of parameter name in IpAppChargingSession.extendLifeTimeRes()	4.2.0	4.3.0	N5	OSA1
29.198-07	005		Rel-5	B	NP-020113	N5-020161	approved	Addition of terminal capability change notifications	4.4.0	5.0.0	N5	OSA1
24.008	575	-	Rel-5	A	NP-020133	-	approved	Deletion of reference to 23.071 in 24.008	5.2.0		N1	TEI
24.008	573	-	R99	F	NP-020133	-	approved	Deletion of reference to 23.071 in 24.008	3.10.0		N1	TEI
24.008	574	-	Rel-4	A	NP-020133	-	approved	Deletion of reference to 23.071 in 24.008	4.5.0		N1	TEI

147 *CRs approved at TSG#15.*

ANNEX B Tdoc List with Status for CN#15

TDoc #	Agenda	Type	Tdoc Title	Source	Status
NP-020001	2	AGENDA	Draft Agenda for CN#15 meeting (Korea)	MCC	APPROVED
NP-020002	2	DAD	Allocation of documents to agenda items at start of meeting	CN V.chair	NOTED
NP-020003	2	DAD	Allocation of documents to agenda items at close of day 1	CN V.chair	NOTED
NP-020004	2	DAD	Allocation of documents to agenda items at close of day 2	CN V.chair	NOTED
NP-020005	2	DAD	Allocation of documents to agenda items at close of day 3	CN V.chair	WITHDRAWN
NP-020006	12	WORK PLAN	3GPP Work Plan	MCC	NOTED
NP-020007	4.1	REPORT	Draft Meeting report from CN#14 (Kyoto)	MCC	APPROVED
NP-020008	12	WORK PLAN	3GPP Work Plan Presentation	MCC	REVISED TO 0093
NP-020009	5.2	LS IN	LS on Restoration of R'96 Any Time Interrogation functionality [S2-020276] [[CN are only cc'd]]	SA2	NOTED
NP-020010	5.2	LS IN	LS on "Prefix allocation for IPv6 stateless address autoconfiguration" [S2-020326]] [[CN are only cc'd]]	SA2	NOTED
NP-020011	5.1	LS IN	Re. to LS on Configuration of ciphering [N1-020444] - [[CN are only cc'd]]	CN1	NOTED [forward to cn4]
NP-020012	5.1	LS IN	LS on Service Change and Fallback for UDI/RDI Multimedia Calls [N1-020455] - [[TO CN]]	CN1	NOTED
NP-020013	5.2	LS IN	LS on Service change and fallback for UDI/RDI multimedia calls [S1-020610] - [[TO CN]]	SA1	NOTED
NP-020014	5.2	LS IN	LS on "Prefix allocation for IPv6 stateless address autoconfiguration" [S2-020910] - [[CN are only cc'd]]	SA2	NOTED
NP-020015	5.2	LS IN	LS on adapting to IETF improvements contained in "unified draft" [S2-020914] - [[CN are only cc'd]]	SA2	NOTED
NP-020016	5.2	LS IN	Re. to LS "Restoration of R'96 Any Time Interrogation functionality" [R3-020734] - [[CN are only cc'd]]	RAN3	NOTED
NP-020017	4.2	REPORT	AGREED POSITION ON THE QUESTION OF 3 DIGIT MOBILE NETWORK CODE	GSM Europe	NOTED
NP-020018	4.3	DISCUSSION DOC	3GPP IETF Dependencies and Priorities	CN Chair	NOTED
NP-020019	8.1	DISCUSSION DOC	IPv4 Address Allocation Guidelines for GPRS Network Infrastructure & Mobile Terminals	BT Cellnet & Cingular	NOTED
NP-020020	6.4.1	REPORT	Status report from CN4	CN4 Chair	NOTED
NP-020021	6.4.1	REPORT	CN4 meeting reports after CN#14	CN4	NOTED
NP-020022	6.4.1	LS PACK	CN4 Output LSs after CN#14	CN4	NOTED
NP-020023	7.2	CR PACK	Camel 3 CR Pack	CN4	APPROVED
NP-020024	7.13	CR PACK	GTP Enhancement	CN4	APPROVED
NP-020025	7.18	CR PACK	Multicall	CN4	APPROVED
NP-020026	7.22	CR PACK	TEI	CN4	APPROVED
NP-020027	7.22	CR PACK	TEI	CN4	APPROVED
NP-020028	7.22	CR PACK	TEI	CN4	APPROVED

TDoc #	Agenda	Type	Tdoc Title	Source	Status
NP-020029	8.3	CR PACK	Bearer Independent CS architecture	CN4	APPROVED
NP-020030	6.1.1	REPORT	Status Report for TSG CN WG1	CN1 Chair	NOTED
NP-020031	6.1.1	REPORT	CN1 SIPadhoc0201 Meeting Report	CN1 Chair	NOTED
NP-020032	6.1.1	REPORT	CN1#22 Meeting Report	MCC	NOTED
NP-020033	6.1.1	REPORT	CN1#22bis Meeting Report	MCC	NOTED
NP-020034	6.1.1	LS PACK 1	All LSs sent from CN1 since TSG CN#14 Meeting	MCC	NOTED
NP-020035	6.1.1	LS PACK 2	All LSs sent from CN1 since TSG CN#14 Meeting	MCC	NOTED
NP-020036	7.12	CR PACK	CR to Rel-5 on Work Item GPRS towards 24.008	CN1	WITHDRAWN
NP-020037	7.15	CR PACK	CR to R99 (with mirror CRs) on Work Item GSM/UMTS interworking towards 29.018	CN1	APPROVED
NP-020038	7.19	CR PACK	CR to R99 (with mirror CRs) and Rel-5 on Work Item QoS towards 24.008	CN1	APPROVED
NP-020039	7.22	CR PACK	CR to R99 (with mirror CRs) on Work Item TEI towards 24.008	CN1	APPROVED
NP-020040	8.12	CR PACK	CRs to Rel-4 on Work Item TEI4 towards 24.011,44.064 and 44.065	CN1	APPROVED
NP-020041	9.13	CR PACK	CRs to Rel-5 on Work Item SCUDIF towards 23.972 and 24.008	CN1	REJECTED
NP-020042	9.14	CR PACK	CRs to Rel-5 on Work Item TEI5 towards 24.008	CN1	APPROVED
NP-020043	9.14	CR PACK	CR to Rel-5 on Work Item IMS-CCR towards 24.008	CN1	APPROVED
NP-020044	9.14	CR PACK	CR to Rel-5 on Work Item IMS-CCR towards 24.008	CN1	APPROVED
NP-020045	6.1.1	DISCUSSION DOC	CN1 IMS open items document	CN1 Chair	NOTED
NP-020046	9.14	WID	Work Item Description for BB "Support of CAMEL by the IMS"	Lucent	REFERRED BACK TO CN2
NP-020047	9.1	TS	3GPP TS 23.218 v201 for approval	CN1	APPROVED
NP-020048	9.1	TS	3GPP TS 24.228 v202 for approval	CN1	APPROVED
NP-020049	9.1	TS	3GPP TS 24.229 v200 for approval	CN1	APPROVED
NP-020050	6.2.1	REPORT	Status Report for TSG CN WG2	CN2 Chair	NOTED
NP-020051	6.2.1	REPORT	CN2#22 Meeting Report	MCC	NOTED
NP-020052	6.2.1	LS PACK1	LSs sent from CN2 since TSG CN#14 Meeting	CN2	NOTED
NP-020053	10.2	ToR	CN2 Terms of reference	CN2	APPROVED
NP-020054	7.2	CR PACK1	CRs to R99 and Rel-4 WI CAMEL3, Pack 1	CN2	APPROVED
NP-020055	7.2	CR PACK2	CRs to R99 and Rel-4 WI CAMEL3, Pack 2	CN2	APPROVED
NP-020056	7.2	CR PACK3	CRs to R99 and Rel-4 WI CAMEL3, Pack 3	CN2	APPROVED
NP-020057	9.5	TS/INFO	Draft TS 23.078 for Rel-5 (CAMEL4 collective CR)	CN2	NOTED

TDoc #	Agenda	Type	Tdoc Title	Source	Status
NP-020058	9.5	TS/INFO	Draft TS 29.078 for Rel-5 (CAMEL4 collective CR)	CN2	NOTED
NP-020059	9.5	TS/INFO	Draft TS 23.278 v 1.1.0	CN2	NOTED
NP-020060	8.12	CR PACK	TEI_4	CN4	APPROVED
NP-020061	9.1	WID	IP Multimedia CN Subsystem, CSCF-HSS (Cx) interface	CN4	APPROVED
NP-020062	9.1	WID	WID on Sh interface	CN4	APPROVED
NP-020063	9.5	CR PACK	Camel 4 CR Pack	CN4	APPROVED
NP-020064	9.7	CR PACK	Location Service Enhancements	CN4	APPROVED
NP-020065	9.10	CR PACK	Intra Domain Connection of RAN Nodes to multiple CN nodes	CN4	APPROVED
NP-020066	9.14	CR PACK	TEI_5	CN4	APPROVED
NP-020067	6.2.1	REPORT	CAMEL4 Editorial AdHoc meeting draft report	CN2 V.chair	NOTED
NP-020068	9.5	DISCUSSION DOC	Reconsideration of CAMEL4 release date	Siemens	NOTED
NP-020069	9.1	DISCUSSION DOC	Current Status of 3GPP SIP related Internet Draft dependencies	dynamicsoft	REPLACED by NP-020099
NP-020070	6.3.1	REPORT	Status Report for TSG CN WG3	CN3 Chair	NOTED
NP-020071	6.3.1	REPORT	CN3#21 Meeting Report	MCC	NOTED
NP-020072	6.3.1	REPORT	CN3#21bis Meeting Report	MCC	NOTED
NP-020073	6.3.1	LS PACK	All LSs sent from CN3 since TSG CN#13 Meeting	MCC	NOTED
NP-020074	9.1	WID	Interworking between IM and IP	CN3	REVISED TO 0089
NP-020075	9.1	WID	Interworking between IM and CS	CN3	REVISED TO 0090
NP-020076	9.1	TS	TS 29.162v1.0.0	CN3	NOTED
NP-020077	9.1	TS	TS 29.163v1.2.0	CN3	NOTED
NP-020078	9.8	TS	TS 29.207v1.0.0	CN3	NOTED
NP-020079	9.8	TS	TS 29.208v1.0.0	CN3	NOTED
NP-020080	7.12	CR PACK	CR Pack for GPRS	CN3	APPROVED
NP-020081	8.4	CR PACK	CR Pack for Facsimile	CN3	APPROVED
NP-020082	8.3	CR PACK	CR Pack for CSSPLIT	CN3	APPROVED
NP-020083	9.13	CR PACK	CR Pack for SCUDIF	CN3	REJECTED
NP-020084	9.14	CR PACK	CR Pack for TEI (Single numbering scheme)	CN3	APPROVED
NP-020085	9.14	CR PACK	CR Pack for TEI (Terminology updates)	CN3	APPROVED
NP-020086	9.8	WID	End to End QoS Stage 3	CN3	REVISED TO 0092

TDoc #	Agenda	Type	Tdoc Title	Source	Status
NP-020087	6.6	REPORT	ITU-T Ad Hoc Status Report		NOTED
NP-020088	9.14	WID	Draft WID for Multimedia Broadcast Multicast Services [MMBS]	H3G	REFERRED BACK TO CN1,2
NP-020089	9.1	WID	Interworking between IM and IP	CN3	REVISED TO 0091
NP-020090	9.1	WID	Interworking between IM and CS	CN3	APPROVED
NP-020091	9.1	WID	Interworking between IM and IP	CN3	APPROVED
NP-020092	9.8	WID	End to End QoS Stage 3	CN3	APPROVED
NP-020093	12	WORK PLAN	3GPP Work Plan Presentation	MCC	
NP-020094	9.14	WID	Draft WID for Multimedia Broadcast Multicast Services [MMBS]	H3G	REVISED TO 0088 before
NP-020095	9.13	DISCUSSION DOC	Status summary for service change and UDI fallback	Ericsson	NOTED
NP-020096	9.13	CR	Clean-up of TR 23.972 to align with REL-5 drafting rules	Ericsson	REJECTED
NP-020097	9.6	DISCUSSION DOC	AMR-WB WI discussion	Nokia	NOTED
NP-020098	5.3	LS IN	Proposed joint activity on generic control mechanism for end-to-end QoS service control and signalling protocol	SG-13	NOTED [forward to CN3]
NP-020099	9.1	DISCUSSION DOC	Current Status of 3GPP SIP related Internet Draft dependencies	dynamicsoft	NOTED
NP-020100	6.5.1	REPORT	Chairman's report from CN5 (slide presentation)	CN5 Chair	NOTED
NP-020101	6.5.1	LS OUT	LSs outgoing from CN5 between CN#15 and CN#16	CN5	NOTED
NP-020102	6.5.1	REPORT	Draft Report of CN5#16 Hong Kong, CHINA, 5-8 Feb 2002 (N5-020007)	CN5 Chair	NOTED
NP-020103	6.5.1	DISCUSSION DOC	OSA APIs presentation and tutorial (N5-020130)	CN5	NOTED
NP-020104	8.5	CR	Rel-4 CRs 29.198-02	CN5	APPROVED
NP-020105	8.5	CR	Rel-4 CRs 29.198-03	CN5	APPROVED
NP-020106	8.5	CR	Rel-4 CRs 29.198-04	CN5	APPROVED
NP-020107	8.5	CR	Rel-4 CRs 29.198-05	CN5	APPROVED
NP-020108	8.5	CR	Rel-4 CRs 29.198-06	CN5	APPROVED
NP-020109	8.5	CR	Rel-4 CRs 29.198-07	CN5	APPROVED
NP-020110	8.5	CR	Rel-4 CRs 29.198-08	CN5	APPROVED
NP-020111	8.5	CR	Rel-4 CRs 29.198-11	CN5	APPROVED
NP-020112	8.5	CR	Rel-4 CRs 29.198-12	CN5	APPROVED
NP-020113	9.4	CR	Rel-5 CRs 29.198-07	CN5	APPROVED
NP-020114	11	[CR]	CR 008 to 21.101: "Correction to list of specs"	MCC	WITHDRAWN
NP-020115	11	[CR]	CR 005 to 21.102: "Correction to list of specs"	MCC	NOTED

TDoc #	Agenda	Type	Tdoc Title	Source	Status
NP-020116	11	TR	TR 21.103 v1.1.0	MCC	NOTED
NP-020117	11	[CR]	CR 005 to 01.01: "GSM Release 1999 specifications.	MCC	NOTED
NP-020118	11	[CR]	CR 004 to 41.102: "GSM Release 4 Specifications"	MCC	NOTED
NP-020119	11	TR	41.103 v1.1.0	MCC	NOTED
NP-020120	11	LIST	Specs status list prior to TSGs#15	MCC	NOTED
NP-020121	11	LIST	List of specs / releases	MCC	NOTED
NP-020122	5.3	LS IN	Re. to liaison statement on Generic QoS Service Requirements [LS13-38]	SG-13	NOTED [forward to CN3]
NP-020123	14	[AGENDA]	IP Core Network Harmonization Meeting	CN Chair	NOTED
NP-020124	12	SLIDES	IMS updates to workplan slides	Lucent Technologies	REVISED TO 0135
NP-020125	12	SLIDES	OSA updates to workplan slides	Ericsson	NOTED
NP-020126	12	SLIDES	CAMEL updates to workplan slides	Vodafone	NOTED
NP-020127	12	SLIDES	AMR-WB updates to workplan slides	Nokia	NOTED
NP-020128	12	SLIDES	E2E QoS updates to workplan slides	Lucent Technologies	NOTED
NP-020129	12	SLIDES	SCUDIF updates to workplan slides	Ericsson	NOTED
NP-020130	12	SLIDES	LCS updates to workplan slides	NTT DoCoMo	NOTED
NP-020131	9.1	DISCUSSION DOC	SIP Integrity Protection for IMS	Ericsson	NOTED
NP-020132	9.2	LS IN	Response to email "NP-010710: AMR-WB TSs	S3 Li	NOTED
NP-020133	7.22	CR PACK	CRs to 24.008 to remove references to 23.071	Rapporteur	APPROVED
NP-020134	9.1	DISCUSSION DOC	RFC numbers allocated by IETF	CN chair	NOTED
NP-020135	12	SLIDES	IMS updates to workplan slides	Lucent Technologies	REVISED TO 0135

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History

<table>
<tr><th colspan="2">Document History</th></tr>
<tr><td>8th March 2002</td><td>DRAFT v0.3.0 send to TSG_CN Officials for comments</td></tr>
<tr><td>12th March 2002</td><td>DRAFT v1.0.0 Presented to TSG-SA#15 (SP-0210147)</td></tr>
<tr><td>13th March 2002</td><td>

DRAFT v1.0.0 dispatched to the TSG-CN mail exploder for comments.

Comments to be addressed to:

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A deadline of 2 weeks was given to the CN delegates for e-mail comments on the draft report.

E-mail comments back by 31st of March 2002

</td></tr>
<tr><td>*June 2002*</td><td>*Final v2.0.0 approved at TSG#16 Meeting in Florida – Made version 3.0.0 and placed to server as the official meeting report.*</td></tr>
</table>