

Third Generation Partnership Project

DRAFT STATUS REPORT v1.0.0

3GPP TSG-CN#16

Marco Island, U.S.A
5th - 7th June, 2002



Hosted by Motorola



Chairman: Stephen Hayes, Ericsson Inc. Stephen.hayes@ericsson.com
Vice-Chairman: Ian Park, Vodafone. ian.park@vf.vodafone.co.uk
Vice-Chairman: Kunihiro Taya, NEC taya@bk.jp.nec.com
MCC Support: David Boswarthick, ETSI MCC. david.boswarthick@etsi.fr

Table of contents

CN Chairman's Executive Summary	5
1 Opening, of the meeting	6
2 Approval of the agenda	6
3 IPR declarations	6
4 Meeting Reports	6
4.1 Report from CN#15 meeting	6
4.2 Reports from other groups	6
4.3 IETF coordination report	6
4.4 IP CN harmonization workshop report	7
4.5 CN Chairman's report	9
5 Incoming liaisons	10
5.1 From TSG-CN working groups	10
5.2 From other 3GPP groups	10
5.3 From other groups	11
6 Reports from TSG-CN working groups (& CN Ad Hocs)	11
6.1 Reporting from TSG-CN WG1	11
6.1.2 Questions for advice and decisions from CN1	12
6.2 Reporting from TSG-CN WG2	12
6.2.1 Status report from CN2	12
6.2.2 Questions for advice and decisions from CN2	13
6.3 Reporting from TSG-CN WG3	13
6.3.1 Status report from CN3	13
6.3.2 Questions for advice and decisions from CN3	13
6.4 Reporting from TSG-CN WG4	13
6.4.1 Status report from CN4	13
6.4.2 Questions for advice and decisions from CN4	14
6.5 Reporting from TSG-CN WG5	14
6.5.1 Status report from CN5	14
6.5.2 Questions for advice and decisions from CN5	14
6.6 Status ITU-T ad hoc group	14
7 Release 4 & earlier: Approval of contributions (by Work Item)	16
7.1 CAMEL Phase 2 and Phase 3	16
7.2 Security	16
7.3 GPRS	16
7.4 Location service enhancement	17
7.5 Handover	18
7.6 GSM-UMTS interworking	18

7.7	Transcoder free operation [TrFO].....	18
7.8	Enable bearer independant CS architecture [CSSPLIT]	18
7.9	Multicall.....	18
7.10	OSA Enhancements [OSA1]	18
7.11	Technical enhancements and improvements	18
7.12	Any Other pre- Rel-5 WI.....	19
8	Release 5:.....	20
8.1	Provisioning of IP-based multimedia services [IMS]	20
8.2	OSA enhancements [OSA2].....	23
8.3	CAMEL Phase 4 [CAMEL4]	24
8.4	Location Service Enhancements [LCS1]	25
8.5	End to End QoS [QoSPS]	25
8.6	Security enhancements [SEC1].....	25
8.7	Service Change and UDI Fallback [SCUDIF]	25
8.8	Technical enhancements and improvements [TEI]	25
8.9	Any otherRel-5 WI.....	26
9	Release 6.....	28
9.1	IMS Phase 2 [IMS]	28
9.2	Support of PRESENCE [PRESNC]	28
9.3	Security enhancements [SEC1].....	28
9.4	Emergency call enhancements [EMC1].....	28
9.5	Speech recognition and speech enabled services [SRES]	28
9.6	Generic user profile [GUP]	28
9.7	OSA enhancements [OSA3].....	28
9.8	Multimedia broadcast and multicast service [MBMS].....	28
9.9	Any otherRel-6 WI.....	29
10	TSG CN work organization	29
10.1	Principles for work organization within CN.....	29
10.2	Terms of Reference	30
10.3	Support Arrangements.....	30
10.4	Working methods / Work Style	30
10.5	Future Meeting Schedule.....	31
11	Specifications in TSG-CN domain.....	32
12	Review of 3GPP Work Plan	32
13	Postponed issues from earlier in the meeting	33
14	Any other business	33
15	Close of Meeting	33
ANNEX A:OUTPUT MATERIAL		34
A.1	Liaisons Approved to be sent following TSG CN meeting #16.....	34

A.2	New TSs /TRs Approved at TSG CN meeting #16	34
A.3	New / Revised Work Items Approved at TSG CN meeting #16.....	34
A.4	Status of CRs following TSG CN meeting #16	35
ANNEX B	Tdoc List with Status for CN#16.....	36
ANNEX C.	TSG CN meeting #16 Participants List	43
History	44	

CN Chairman's Executive Summary

IMS work in CN has been completed except for the documented open issues. All planned CN IMS specifications except for 23.278 and 29.278 are now under change control and functionally frozen. There are still outstanding IETF dependencies which are promised by June 14. The MCC will incorporate the available RFC numbers as of June 14th. Those not available will have to be fixed in CRs at the subsequent CN WG meetings.

After analysis in CN3, it was decided that no intermediate version of 23.163 (IMS<->CS interworking) will be produced.

AMR-WB and SCUDIF were completed. Network sharing and protocol work for the Ze (Key Distribution for MAP) was not completed. A decision needs to be made by SA whether or not these stay in Rel-5. SA must also decide which release CAMEL for IMS falls into.

Rel-6 work Items were initiated for:

- Bearer Independent Architecture in the PS Domain
- Interworking of CS user plane between 3GPP and external PLMN/PSTN/ISDN
- MBMS

The CN4 agreed approach to handling IPv4/IPv6 interworking was agreed, with a strengthened warning to not use Ipv6 addresses in pre-Rel5 GPRS.

The results from the OHG IP CN Harmonization Workshop were discussed and a CN position was generated. This position can be found in NP-020304.

The ITU-T Coordination Ad-Hoc produced a recommendation on how the SDOs should respond to the ITU-T SSG request from Release 4 references. This recommendation is in NP-020322.

Thanks were given to all the delegates, chairs, vice-chairs, and secretaries in both the 3GPP and the IETF who worked so hard to complete release 5 in general and IMS in particular.

1 Opening, of the meeting

Mr. Niels Andersen of Motorola welcomed the delegates to Marco Island on behalf of the hosts Motorola. The meeting was chaired by Mr. Stephen Hayes, (Chair, Ericsson). Additional support was provided by Mr. Ian Park (Vice-Chair, Vodafone), Mr. Kunihiro Taya (Vice-Chair, NEC), and Mr. David Boswarthick (CN Secretary, MCC).

2 Approval of the agenda

NP-020140 Draft agenda for CN #16 meeting, Korea. MCC. **APPROVED.**

NP-020141 Allocation of documents to agenda items (start of day 1). Source: CN vice-chairman. **NOTED.**

NP-020142 Allocation of documents to agenda items (end of day 1). Source: CN vice-chairman. **NOTED.**

NP-020143 Allocation of documents to agenda items (end of day 2). Source: CN vice-chairman. **NOTED.**

NP-020144 Allocation of documents to agenda items (end of day 3). Source: 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#15 meeting

NP-020145 Draft report from CN #15 meeting, Jeju. Source: MCC. **APPROVED.**

4.2 Reports from other groups

no input

4.3 IETF coordination report

NP-020156 Bundle 2 and 3 RFC numbers from IETF. Source: CN chairman.

Content: RFC numbers have been allocated by the RFC editors. All of these specifications have been approved and are proposed standards track documents. Please Note that this is just an early release of the numbers done for the 3GPP. RFC publication will follow at normal pace. The drafts will be available as part of the normal RFC editing process. The technical content of the RFC will be the same as the final draft version.

The RFC numbers contained in this document are part of the **bundle 2 package**. No bundle 3 or 4 deliverables are yet available.

Comments: It was mentioned that this is the only set of RFC numbers that CN will receive during the week of NP#16.

NOTE, the RFCs are not yet available - only the RFC numbers have been allocated. Companies are requested not to publicise overtly as the RFC editors do not want requests for these RFCs before they are ready.

Also Ileana Leuca will step down from the role of 3GPP IETF coordinator. The future role will be discussed in SA#16.

Status: **NOTED.**

NP-020159 IETF deliverable status preceding the CN#16 plenary. Source: CN chairman.

Content: Includes the status of the IETF deliverables so far.

Comments: Only Bundle 2 RFCs have been provided so far. RFC numbers for those in bundles 3 & 4 (which have no *comments otherwise*) are still **expected by June 14**.

For those RFC numbers that are provided by 14th June - MCC is given permission to include the RFC numbers when they become available as an editorial change to the 3GPP specifications.

If a RFC does not get a RFC number by the cutoff date, a CR will be made to the TS as an essential correction in order to update the reference.

Stephen gave thanks to the IETF on the hard work that they have been doing for 3GPP. The PCG have recommended a communication to the IETF thanking them for the work they have done in completing the 3GPP dependencies.

Status: **NOTED.**

4.4 IP CN harmonization workshop report

NP-020157 **Harmonizing the IP Core Network.** *Source: Ms. Betsy Kidwell Chair, 3GPP2 TSG-N*

Content: Contains correspondence expressing the 3GPP2 TSG-N resolve to achieve harmonization. 3GPP2 TSG-N is interested in pursuing relationships with several of the 3GPP WGs (i.e., SA1, SA2, CN1) to achieve harmonization in the areas of access independent IMS and IP Services.

3GPP2 TSG-N is currently reviewing 3GPP Release 5 materials with the intent of adopting as much as possible for the 3GPP2 IMS and IP Services text.

3GPP2 TSG-N invite 3GPP WGs to attend a workshop to continue discussions. The purpose of the workshop is to establish a strategy and working agreement for collaboration on a set of common specifications for Release 6 and beyond. A proposed agenda is contained in the contribution.

Comments: Ian Park [Vodafone] suggested that harmonisation should not be limited to 3GPP2 TSG-N and 3GPP TSG CN. Work is needed between 3GPP CN WG4 and 3GPP2 TSG-P in the area of DIAMETER. Betsy Kidwell suggested a correspondence between CN and 3GPP TSG-P to highlight this issue.

Status: **NOTED.**

NP-020158 **3GPP2 IP Multimedia Domain.** *Source: Ms. Betsy Kidwell Chair, 3GPP2 TSG-N*

Content: Contains a presentation on the structure of 3GPP2 and specifically 3GPP2 TSG-N. Also outlines the 3GPP2 multimedia domain, and a proposal for future discussion / coordination.

Comments: Stephen Hayes [CN Chair] stated that the intended outcome of the discussions on these two documents is that TSG-CN come to an agreement on a recommendation that should be presented to TSG-SA for approval.

Steve Mecrow [mmO2] asked why 3GPP2 member companies (who are generally also 3GPP member companies), cannot simply provide 3GPP2 related input to 3GPP in the traditional way.

Niels Andersen [TSG SA chair - Motorola] supported not modifying the existing 3GPP working procedures. Traditionally 3GPP have tried to discourage the 3GPP partners from contributing to the technical work in the name of the SDO. The preferred method in 3GPP is for the member companies to bring contributions to 3GPP meetings.

Niels added that the use of joint meetings should only be to resolve a blocking issue in a specific area, NOT to co-ordinate work between groups (partners / PPs etc.)

Iain Sharp [Nortel] commented that 3GPP should work toward creating a Rel-6 IMS that is adaptable to both 3GPP and 3GPPs. i.e. Radio access independent.

Steve Mecrow [mmO2] suggested that 3GPP2 member companies should be encouraged to become members of 3GPP, (and vice versa).

It was clarified that work in 3GPP is done under the authority given by work items. Stephen Hayes [CN Chair] indicated that this process should be followed, but it is not the intention to have a global 3GPP "Harmonization" work item.

Harald Dettner [Siemens] had concerns with the work being duplicated in both partnership projects.

Iain Sharp [Nortel] clarified that some parts of IMS would be common between the two PPs. This common part would be developed in 3GPP and referenced by 3GPP2. The development of this common part would be done in 3GPP by interested member companies within 3GPP.

Keith Drage [Lucent] suggested splitting out the common parts of the IMS into separate specifications.

It was mentioned that identifying what parts of IMS could be common would require a great deal of work. It would be desirable to remove from the common IMS part elements that are not used in 3GPP2 (GPRS and radio access technologies) as well as making the common IMS radio access independent.

Summary of discussion:

- **Support for member companies (of both partnership projects) having discussions to harmonize the input to both partnership projects.**
- **No support for 'formal' joint meetings between 3GPP and 3GPP2 (within the scope of 3GPP)**

- **No support to modify present 3GPP working procedures.**
- **Proposal to continue with the use of Work items for new 3GPP features**
- **3GPP2 members could be invited as 3GPP guests for a limited period (and vice versa)**
- **3GPP2 members interested in IMS development are encouraged to become members of 3GPP (and vice versa)**

The output of this discussion will be sent to SA#16 in an LS [NP-020299]

Status: **NOTED.**

NP-020299 LS OUT to TSG SA on " Recommendations for Implementing CN Harmonization ". Source: TSG CN Chair

Content: Contains an LS to TSG SA on the harmonisation between 3GPP and 3GPP2. Contains the following recommendations.

- The primary mechanism for coordination of the IP CN between 3GPP and 3GPP2 should be via joint participation in each other's meetings. The responsibility for ensuring harmonization would be up to individual members attending both meetings.
- Harmonized work is best accomplished by having work done in a single body. Common parts of IMS should be developed in the 3GPP. 3GPP should extend guest status to those 3GPP2 companies that are not members in 3GPP. However, 3GPP2 companies who wish to participate for an extended time are encouraged to join the 3GPP. 3GPP2 is encouraged to extend similar courtesies to 3GPP member companies.
- Work furthering harmonization should be driven via work items introduced by the normal 3GPP process. Work items furthering access independence and IP transport independence in IMS are encouraged
- 3GPP should attempt to avoid meeting collisions with 3GPP2 where possible, to facilitate attendance by 3GPP2 individuals.
- Additional communication channels should be utilized. In particular, 3GPP2 individuals are encouraged to subscribe to the relevant 3GPP e-mail lists. 3GPP should also ensure that it is possible to send liaisons to appropriate groups within 3GPP2.

Comments: David Williams [Qualcomm] stated that the overhead slide generated during the discussion on day 1 was much clearer and suggested the use of a simpler and more direct form. Ian Park [Vodafone] disagreed, saying that the LS will also be visible to the outside world (inc. 3GPP2) and 3GPP should not give the wrong impression to 3GPP2 about our approach to harmonisation. The compromise was adopted, and the wording of the existing LS was modified, more specifically to reflect that there is no plan to have additional joint technical meetings between the two PPs. However the possibility of future collaboration workshops is not ruled out completely. The point of trying to avoid meeting collisions needs to be made bi-directional; we should also specify in more detail which (working) groups need to avoid meeting clashes.

Status: **REVISED to 0302.**

↓ REVISED ↓

NP-0200302 LS OUT to TSG SA on " Recommendations for Implementing CN Harmonization ".

Comments: Textual clarifications were made to the text of bullet 4.

Status: **REVISED to 0304.**

↓ REVISED ↓

NP-0200304 LS OUT to TSG SA on " Recommendations for Implementing CN Harmonization ".

Status: **APPROVED.**

NP-020274 An Open Letter to the Chairmen of 3GPP & 3GPP2. Source: OHG.

Content: Contains an open letter from Mike Walker OHG chairman, expressing the sincere thanks of OHG to the two Co-Chairs of the IP CN Harmonization Workshop held recently in Toronto, Canada. OHG wholeheartedly endorses the recommendations outlined in the output document from the meeting; they would like to further elaborate the following points:
OHG applaud the recommendation that duplication of work between two PPs should be avoided.

- The two Partner Projects should work together to establish a common long term vision and evolution strategy.
- OHG encourage the use of a joint session on vision and evolution, perhaps during the autumn of this year.
- OHG would encourage the PPs to invite ITU SSG to be part of such a meeting.

- OHG anticipate that, the PPs will create work items in the respective groups to carry out the work that was outlined in the recommendation of the workshop.

Comments: Stephen Hayes [CN chair], presented the background of the harmonisation meeting and the results of the workshop.

Status: **NOTED.**

NP-020275 **An Open Letter to the Chairmen of 3GPP & 3GPP2.** *Source: assorted Vendors*

Content: The named vendors add their support for the output of the IP CN Harmonization Workshop.

Status: **NOTED.**

NP-020303 **Draft meeting minutes from PCG.** *Source: PCG secretary.*

Status: **NOTED.**

4.5 CN Chairman's report

No input.

5 Incoming liaisons

5.1 From TSG-CN working groups

NP-020149 **LS on 3GPP specific Diameter applications [N4-020732].** *Source: CN4*

Content: CN4 have agreed to develop the protocols for Cx, Dx and Sh interfaces as IETF vendor specific Diameter applications, where the vendor is 3GPP. The vendor identifier assigned by IANA to 3GPP (<http://www.iana.org/assignments/enterprise-numbers>) is 10415. If other TSG WGs make use of Diameter and develop their own applications, we face the risk of problems in the management of the namespaces (application identifiers, command codes, AVP codes, result codes) that would lead to interoperability problems. Currently, CN4 is not aware of any other TSG WG developing such applications. In this LS it is requested that CN4 be allowed to manage the namespace for the IETF vendor specific Diameter application, where the vendor is 3GPP. The concrete mechanism is to be co-ordinated with/established by the MCC.

Comments: There was agreement within TSG CN that CN WG4 be allowed to manage the namespace for DIAMETER. John Meredith of the MCC took the action to examine the mechanism that needs to be created to manage the Diameter namespace. **Stephen will inform SA#16 of this decision.** David Boswarthick of the MCC mentioned that the issue of 3GPP registration of namespace to IANA is broader than only DIAMETER and suggested that the mechanism of control needs to encompass all 3GPP requests for namespace to IANA. John Meredith (MCC) reminded the meeting that 3GPP has no legal status and as such requests to IANA from 3GPP are possibly subject to legal challenge.

Status: **NOTED.**

NP-020155 **Liaison Statement on 3GPP Network Domain Name usage for IMS [N1-021455].** *Source: CN1*

Content: It has been identified that a (root) domain is needed by 3GPP for MCC/MNC based address resolution for Rel-5 IMS. ETSI MCC has reserved the domain name 3gppnetwork.org for 3GPP for this purpose. CN1 request GSMA to note that domain name 3gppnetwork.org has been reserved for 3GPP to support MCC/MNC based address resolution as reflected in TS 23.003 for Release 5. GSMA is kindly asked to progress the relevant practical issues associated in the DNS database management aspects to help in the rollout process of the IMS

Status: **NOTED.**

NP-020150 **LS on Status of protocol work on Ze interface [N4-020769].** *Source: CN4*

Content: In this document CN4 informs SA3 and CN that CN4 is not able to finalize the protocol work on the Ze interface in the June 2002t time frame. CN4 cannot give an estimation of the date for completion of the required work until CN4 has further analysed the requirements from SA3.

Comments: The reasonable estimate for completion of this work is December 2002. This LS will also be presented to SA#16. Harald Dettner [Siemens] preferred that this work be pushed back to Rel-6, as a delivery of work in December 2002 means Rel-5 cannot be closed until that time. TSG CN will simply inform TSG SA of the uncertainty around the completion time and let them take the decision on where this feature should be contained. **Stephen will inform SA#16 of this decision.**

Status: **NOTED.**

NP-020153 **Liaison Statement on "IPv6 update of stage 3 specifications" [N3-020361].** *Source: CN3*

Content: In this LS, CN3 requests clarification from SA2 on several issues relating to IPv6 updates to the stage 3 specifications.

Comments: The response from SA2 is contained in NP-020151, which was **NOTED.**

Status: **NOTED.**

5.2 From other 3GPP groups

NP-020148 **SA1 Position Statement related to ITU-T request for information on activities related to Emergency Telecommunications Services (ETS) [S1-021190].** *Source: SA1.*

Status: **WITHDRAWN.**

NP-020151 **Response to the LS on "IPv6 update of stage 3 specifications" [S2-021521]. Source: SA2**

Content: In this LS, SA2 provide the responses to the questions raised in the CN3 LS [NP-020153]

Comments: The CR relating to this work has been done by CN3 and is presented to this meeting.

Status: **NOTED.**

NP-020152 **Response to email "NP-010710: AMR-WB TSs from SA4" [S3-020129]. Source: SA3.**

Status: **WITHDRAWN.**

NP-020154 **GERAN Review of CRs to 24.007 [GP-021150]. Source: GERAN**

Content: In this LS, TSG-GERAN WG2 proposes enhancements to CN1 CRs to 24.007

Comments: The required CRs from CN1 are presented to this meeting.

Status: **NOTED.**

5.3 From other groups

No input.

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-020210 **Status Report for TSG CN WG1. Source: CN1 chair.**

Status: **REVISED TO 0294.**

↓ **REVISED** ↓

NP-020294 **Status Report for TSG CN WG1. Source: CN1 chair.**

Content: Contains the executive summary of CN1 activities since the last CN plenary.

Comments: Minor comment that it is the update draft that is 100% complete and not the privacy draft as stated in the report.

Network sharing - it is preferred to do the work under a specific WI and not TEI. for Rel-5.

Also the four options are in RAN3 and not CN1 as mentioned.

CN4 are also dependent on which of the 4 options RAN3 will adopt. A CR against 29.002 can be raised once RAN3 have provided guidance.

Stephen will inform TSG SA that for the Rel-5 version of network sharing, CN is heavily dependant on RAN3 making a choice of one of the four proposed solutions. The completion in CN depends on when the information is provided by RAN3. TSG SA will decide if Network sharing is still to be kept in Rel-5 or pushed out to Rel-6. **Stephen will report this to TSG SA.**

AMR- WB - CN consider that they have completed the Rel-5 CRs for AMR-WB support. **Stephen will report this to TSG SA.**

NOTE: one CR to 23.009 [N1-020879] has been agreed by CN1 but not seen / endorsed by CN4. It will be sent out on email to the CN4 in order to get endorsement. It is suggested that this CR be conditionally approved in CN#16.

Relating to **IETF drafts**, it is proposed that for RFC numbers expected by 14th June, the references to IETF drafts be left in the TSs to be corrected by MCC when the RFC numbers are available. For RFC numbers available after 14th June they will be corrected by CRs in the usual way.

NOTE: Andrew Howell [Motorola] mentioned that CN1 have discussed and agreed that a home PLMN should not use 'cause value #14' to its own subscribers as it may lead to the mobile being unable to provide any service to the user. This is because the mobile cannot write the home PLMN into the 'forbidden' list in the case of cause value #14. Ian Park [Vodafone] suggested that text needs to be added to TS 23.012 and companies are free to bring contributions to future CN4 meetings.

Status: **NOTED.**

NP-020211 **CN1#23 Meeting Report. Source: MCC.**

Status: **NOTED.**

NP-020212 CN1#SIP adhoc 0204 Meeting Report. *Source: MCC.*

Status: **NOTED.**

NP-020213 CN1#24 Meeting Report. *Source: MCC.*

Status: **NOTED.**

NP-020214 All LSs sent from CN1 since TSG CN#15 Meeting. *Source: MCC.*

Status: **NOTED.**

NP-020215 All LSs sent from CN1 since TSG CN#15 Meeting. *Source: MCC.*

Status: **NOTED.**

NP-020209 CN1 IMS open items list. *Source: CN1 chair.*

Status: **REVISED to NP-020278.**

NP-020278 CN1 IMS open items list *Source: CN1 chair.*

Content: This study has been done to identify the still missing principal decisions and other major open issues in the IMS specifications under CN1 control. It is intended that this document will no longer be maintained after the completion of Rel-5. Stephen Hayes [CN Chair] requested that the open item list be maintained until all IMS open items in the list are closed.

Status: **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-020198 Status Report for TSG CN WG2. *Source: CN2 chair.*

Content: Contains the executive summary of CN2 activities since the last CN plenary.

Comments: **Related to IMS control of CAMEL.**

John Meredith [MCC] mentioned that TS 29.278 is not yet recorded in the specifications database. This number still needs to be requested from JMM.

There was a discussion on whether CAMEL for IMS should be kept in Rel-5. Nigel Berry [Lucent] supported leaving IMS CAMEL in Rel-5. Iain Sharp [Nortel] countered that the agreement should be that this it be included in Rel-5 only if CN2 can complete the work in the Rel-5 timeframe.

Ian Park mentioned that the stage 3 is heavily dependent on the stage 2 being stable.

An agreement was reached in principle to CAMEL IMS in Release 5 however 23.278 must stand on its own merits. The aim is to approve the stage 2 (TS 23.278) and then approve the stage 3 (TS 29.278) when it is available. It is hoped that this outstanding issue may be resolved by TSG#17. However with only one CN2 meeting before the next plenary this is not certain.

TSG SA will take the final decision on where CAMEL IMS will be kept (Rel-5/Rel-6).

Charging Notification to the CSE is not complete and will be removed (by a CR in CN#17) if the associated SA1 CR is approved.

Status: **NOTED.**

NP-020199 CN2#23 Meeting Report. *Source: MCC.*

Status: **NOTED.**

NP-020200 CN2#24 Draft Meeting Report. *Source: MCC.*

Status: **NOTED.**

NP-020201 LSs sent from CN2 since TSG CN#15 Meeting. *Source: MCC.*

Status: **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-020160 Status Report for TSG CN WG3 *Source: CN3 chair.*

Content: Contains the executive summary of CN3 activities since the last CN plenary.

Comments: **Related to section 3.1:** Ian Park [Vodafone] commented to the CR to TS 29.007 in NP-020172, he has concerns that this introduces a difference between Rel-4 and Rel-5. The difference between Rel-4 and Rel-5 is a conscious decision; it will require a change to 23.018 to maintain alignment with 29.007.

Related to section 5.1: Steve Mecrow [mmO2] stated that adding the Mc interface the WID Interworking between the IM Subsystem and CS networks may result in delays in the completion of the overall work item.

CN3 have reported that Interworking between the IM Subsystem and CS networks cannot be split between Rel-5 and Rel-6. It is planned to deliver this interworking in December 2002. TSG SA will decide into which release this work will be placed. **Stephen will report this to SA plenary along with the fact that some companies objected to the monolithic delivery.**

Status: **NOTED.**

NP-020161 CN3#22 Meeting Report. *Source: MCC.*

Status: **NOTED.**

NP-020162 CN3#23 Meeting Report MCC. *Source: MCC.*

Status: **NOTED.**

NP-020163 All LSs sent from CN3 since TSG CN#15 Meeting. *Source: MCC.*

Status: **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-020272 Status report from CN4 *Source: CN4 chair.*

Content: Contains the executive summary of CN4 activities since the last CN plenary.

Status: **NOTED.**

NP-020245 CN4 meeting reports after CN#15. *Source: MCC.*

Status: **NOTED.**

NP-020246 CN4 Output LSs after CN#15. *Source: MCC.*

Status: **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-020175 Chairman's report from CN5 (slide presentation) *Source: CN5 chair.*

Content: Contains the executive summary of CN5 activities since the last CN plenary.

Comments: Questions were raised as to what part of PRESENCE could be retained in Rel-5. It was clarified that the OSA presence was an API to a generic presence capability and could be enhanced following the completion of the 3GPP presence feature.

Regarding the harmonization between CN5 and 3GPP2, the view is that no joint meetings will be held between CN5 and 3GPP2. However as CN5 are already partaking in the joint API group with Parlay, JAIN, 3GPP and ETSI, then representative companies of 3GPP2 are welcomed to this joint API meeting.

Status: **NOTED.**

NP-020176 LSs outgoing from CN5 between CN#15 and CN#16. *Source: MCC.*

Status: **NOTED.**

NP-020177 Report of CN5#16, Sophia Antipolis, France, 8 - 12 April 2002 (N5-020180). *Source: MCC.*

Status: **NOTED.**

NP-020178 Draft Report of CN5#17, Budapest, Hungary, 13 - 17 May 2002 (N5-020327). *Source: MCC.*

Status: **NOTED.**

6.5.2 Questions for advice and decisions from CN5

No Input.

6.6 Status ITU-T ad hoc group

NP-020291 Status report from ITU-T ad hoc.

Comment: No written status report was presented. However Yun-Chao Hu [ITU-T convenor - Ericsson] gave an oral report.

The reference document related to 3GPP R99 had been approved in the ITU-T.

The long term vision documents (ITU-T and ITU-R) have been approved in the ITU.

Status: **NUMBER NOT USED.**

NP-020287 Q.1741.2 VERSION 3.0 OUTPUT FROM THE SSG MEETING AT OTTAWA. . *Source: ITU-T.*

Content: This contribution contains the draft Recommendation Q.1741.2 referencing of Release 4 for the Family System "GSM evolved UMTS Core Network With UTRAN Access Network". The document contains the main part and the agreed contributions and comments at the SSG WP2 Q.3 meeting in Ottawa.

Comments: A similar exercise was carried out by the 3GPP ITU-T ad hoc group for R99 specifications. It is proposed that a similar process be used for Rel-4.

In addition TSG CN and TSG RAN have agreed to attempt to coordinate the outputs to ITU. TSG RAN have prepared a similar document to the ITU-R based on the output from TSG#15. It is proposed that the 3GPP ITU-T ad hoc group use TSG#15 as a base for their discussions.

JMM of MCC stated that in the text 21.202 should read 21.102. Also table 1 showing mapping is not accurate and should be deleted from the ITU-T document.

The ITU-T coordination ad-hoc was tasked with producing a template to be transmitted to the SDOs which provides the recommended response to Q.1741.2.

Status: **NOTED.**

NP-020308 **LS OUT to SDO on " coordination of SDO input to ITU-T Q1741.2".**

Content: The LS contains the recommendation of the 3GPP CN ITU-T Co-ordination Ad-Hoc that is the input to ITU-T Q.1741.2 should be based in principle upon the Release 4 following TSG SA#15. The set of specifications should be those listed in TS 21.102 v440, with the following changes:

- Technical Reports (TRs) TR ab.8de specifications should not be included
- SOLSA is a GSM capability and should be not included
- The 25 series (Radio Access Network) documents should not be included
- The UE/USIM Test and Conformance Specifications should not be included

Comment: Editorial comments - alignment with the actual title of Q.1741.2.

Also add second action to SDOs asking them to forward the recommendation contained in section 4 to the ITU-T.

Also SOLSA to be removed from the list of specifications.

Status: **REVISED to 0322.**

↓ **REVISED** ↓

NP-020322 **Rev. LS OUT to SDO on " coordination of SDO input to ITU-T Q1741.2".**

Status: **APPROVED.**

7 Release 4 & earlier: Approval of contributions (by Work Item)

NOTE - Rel 4 and previous releases are FROZEN. ONLY CAT F and CAT A CRS ALLOWED

GENERAL: Ian Doig [Motorola] raised the issue of excess CRs to frozen releases. TSG RAN have examined this classification of correction to frozen releases and produced a discussion document. Ian Park [Vodafone] stated that frequent and serious mis-operation is the only reason for a critical change to a frozen release. Other reasons for a change to frozen release are correction of a CR mis-implementation, and agreement by consensus.

WGs should be looking carefully at each pre-Rel-5 CR to see that it really is essential.

Ian Doig asked that TSG CN gives clear guidance to CN WGs on what rules are to be applied in this case. Hannu Hietalahti [CN1 chair] agreed that rules are required, but they already exist in 21.900.

They simply need to be rigorously applied by the working groups.

Ian Doig proposes removing the option for WGs to agree non-essential changes to frozen releases by consensus. Ian Park objected to removing this option, stating that any member company has the right to object to the non-essential CR in WG meetings. In this case the CR cannot be agreed unanimously and will not be presented to Plenary for approval.

Keith Drage [Lucent] stated that the use of 'unanimous vs essential correction' is not applied consistently across CN WGs and this needs to be aligned between CN WGs.

Stephen Hayes [CN chair] summarised that CN does not wish to change the existing working procedures but CN recommends the following.

- **Rules relating to CRs as described in 21.900 be consistently applied by all CN WGs**
- **When a Pre-Rel-5 CR is presented to plenary for approval - it must be clearly mentioned that the reason is either essential correction or unanimous agreement.**
- **Editorial changes are not permitted to frozen releases**
- **Filtering of CRs be done at working group level and not in plenary**
- **Quotas and statistics do not seem necessary at this time.**
- **Use of 'unanimous agreement vs essential correction' be harmonized across the CN WGs**
- **The 'consequences if not approved section' of the CR cover page must be completed correctly for every CR.**
- **CN should aim at reducing the number of Pre-Rel-5 CRs (not increasing as is the tendency at NP#16)**

Ian Park [CN4 chair] pointed out that all CRs from CN4 were agreed by consensus in the WG unless there is a specific indication to the contrary in the CN4 status report.

7.1 CAMEL Phase 2 and Phase 3

NP-020202 CRs to R97 WI CAMEL2, Pack 1. *Source: CN2.*

Status: **APPROVED.**

NP-020203 CRs to R99 WI CAMEL3, Pack 2. *Source: CN2.*

Status: **APPROVED.**

NP-020204 CRs to R99 WI CAMEL3, Pack 3. *Source: CN2.*

Comments: Ian Doig asks why the essential correction is not made to R97/R98 but it is proposed to change R99. Is the change that essential? Keijo replied that this was the decision made in CN2 WG meeting.

Status: **APPROVED.**

7.2 Security

NP-020216 CR to R99 (with mirror CRs) on Work Item Security towards 24.008. *Source: CN1.*

Status: **APPROVED.**

7.3 GPRS

NP-020170 CR Pack on TEI [GPRS] Pack 1. *Source: CN3.*

Comments: Wrong version on cover sheet for R99 CR. Corrected before presentation.

Status: **REVISED to 0295.**

↓ REVISED ↓

NP-020295 CR Pack on TEI [GPRS] Pack 1. *Source: CN3.*

Status: **APPROVED.**

NP-020171 CR Pack on TEI [GPRS] Pack 2 CN3. *Source: CN3.*

Status: **APPROVED.**

NP-020217 CR to R99, Rel-4 and Rel-5 on Work Item GPRS towards 24.008. *Source: CN1.*

Status: **APPROVED.**

NP-020250 CR pack: GPRS. *Source: CN4.*

Status: **APPROVED.**

7.4 Location service enhancement

NP-020254 CR pack: Location services. *Source: CN4.*

Status: **APPROVED.**

NP-020270 CR 24.008 on Indication of support of LCS via the PS domain in lu-mode. *Source: Siemens.*

Status: **REVISED TO 0289.**

↓ REVISED ↓

NP-020289 CR 24.008 on Indication of support of LCS via the PS domain in lu-mode. *Source: Siemens.*

Status: **REVISED TO 0301.**

↓ REVISED ↓

NP-020301 CR 24.008 on Indication of support of LCS via the PS domain in lu-mode. *Source: Siemens.*

Content: **Consequences if not approved:** This CR is needed to enable a solution in Rel-5 that interworks with Rel-4. The MS expects the support of LCS via the PS domain although this is not supported by the network. The supervision timer for the LCS-MOLR as defined in 24.080 is set to 10s to 30s (which may be too short anyway considering MS based positioning methods) so that a user has to wait for this time to get the information that the network does not support LCS. The MS is not informed about changes concerning the support of LCS-MOLR.

This contribution proposes revisions to a CR from CN1. It has not yet been seen and agreed by CN1. It is the opinion of the authors of the CR that it is not a critical correction and they are seeking agreement by consensus.

Note: NP-020301 is the Rel-4 version and NP-020300 is the Rel-5 version of this CR.

Comments: Hanuu Hietalahti [CN1 chair] stated that the solution has been available to CN1 delegates for some time, and this revision takes into account comments received on the original CRs.

Keith Drage [Lucent] asked why this is presented to Plenary and suggested that it be sent back to CN1 for further study. However, there was no formal objection to approving the CR.

Stephen Hayes [CN chair] mentioned that the "direct to plenary" approach is not the preferred way of handling CRs within CN.

Status: **APPROVED.**

NP-020271 CR 24.008 on Indication of support of LCS via the PS domain in lu-mode. *Source: Siemens.*

Status: **REVISED TO 0300.**

↓ REVISED ↓

NP-020300 CR 24.008 on Indication of support of LCS via the PS domain in lu-mode. *Source: Siemens.*

Status: **APPROVED.**

7.5 Handover

NP-020251 CR pack: Handover. *Source: CN4.*

Status: **APPROVED.**

7.6 GSM-UMTS interworking

NP-020218 CRs to R99 (with mirrors) on Work Item GSM/UMTS interworking towards 24.007 and 23.009. *Source: CN1.*

Status: **APPROVED.**

NP-020219 CRs to R99 (with mirrors) on Work Item GSM/UMTS interworking towards 24.008. *Source: CN1.*

Status: **APPROVED.**

7.7 Transcoder free operation [TrFO]

NP-020220 CRs to Rel-4 (with mirrors) on Work Item TrFO towards 24.008. *Source: CN1.*

Comments: TSG CN will report to TSG SA that we have approved these CRs to 24.008. These CRs remove the problem of the network having to implicitly support multiple codecs. Since this caused considerable discussion in the last 2 SA plenaries, the current solution should be highlighted to SA#16. **Stephen will report this to TSG SA.**

Status: **APPROVED.**

7.8 Enable bearer independent CS architecture [CSSPLIT]

NP-020221 CR to Rel-4 (with mirror CR) on Work Item CSSPLIT towards 24.008. *Source: CN1.*

Status: **APPROVED.**

NP-020249 CR pack: Enable Bearer independent CS architecture. *Source: CN4.*

Status: **APPROVED.**

7.9 Multicall

NP-020256 CR pack: Multicall. *Source: CN4.*

Status: **APPROVED.**

7.10 OSA Enhancements [OSA1]

NP-020179 Rel-4 CRs 29.198-03. *Source: CN5.*

Status: **APPROVED.**

NP-020180 Rel-4 CRs 29.198-04. *Source: CN5.*

Status: **APPROVED.**

7.11 Technical enhancements and improvements

NP-020172 CR Pack on TEI [CS Data]. *Source: CN3.*

Comments: NOTE: The pack also contains two CRs to Rel-5 specs (should be under agenda Item 8.8) Also, use of a single CR template will be ensured by MCC_CN in the future.

Status: **APPROVED.**

NP-020173 Change DHCPv6 internet-draft reference to RFC. *Source: Ericsson.*

Status: **WITHDRAWN.**

NP-020222 CRs to R99 (with mirror CRs) on Work Item TEI towards 24.007, 09.94, 29.994. *Source: CN1.*

Comments: Ian Doig [Motorola] said that the CRs to 09.94 (CRs 11 and 12) will produce versions 5.1.0 and 6.1.0, and not 5.0.0 and 6.0.0 as shown in the cover sheet, as these versions have existed in the past but had been withdrawn. It was also noted that there will be a companion TR from RAN in 29.993

Status: **APPROVED.**

NP-020223 CRs to R99 (with mirror CRs) on Work Item TEI towards 24.008 and 29.018. *Source: CN1.*

Status: **APPROVED.**

NP-020224 CRs to Rel-4 (with one mirror CR) on Work Item TEI4 towards various TSs. *Source: CN1.*

Status: **APPROVED.**

NP-020258 CR pack: Technical Enhancements and Improvements. *Source: CN4.*

Comments: 23.007 CR007 is missing the CR number from the cover sheet.
Regarding the IMEI CRs to 03.03/23.003, there is no formal agreement between 3GPP and 3GPP2; only discussions have been held and agreement reached between a number of member companies.

Status: **APPROVED.**

NP-020259 CR pack: Technical Enhancements and Improvements for Release 4. *Source: CN4.*

Status: **APPROVED.**

NP-020268 CR 29.002-397r3 on Check of NAM and Requesting Node Type on receipt of SendAuthenticationInfo. *Source: CN4.*

Status: **APPROVED.**

7.12 Any Other pre- Rel-5 WI

No input.

8 Release 5:

8.1 Provisioning of IP-based multimedia services [IMS]

NOTE:- ALL of the Rel-5 TSs placed under change control at NP#15 and NP#16 are considered "FUNCTIONALLY FROZEN" at NP#16. - This does not prevent the correction of the open issues reported to this meeting or alignment with stage 1/2 and IETF documents.

NP-020174 Actions within the GGSN for IMS parameters sent in PDP context activation. *Source: Ericsson.*
Status: **WITHDRAWN.**

NP-020208 Work Item Description for the Support of CAMEL by the IMS *Source: CN2.*

Content: Presented to NP#15, referred back to CN2 for further study, and now presented to NP#16 for approval. It has also been reviewed by CN4.

Comments: TSG dates need changing (to reflect decisions taken in this meeting relating to the completion of 23.278 and 29.278). It is proposed that 23.278 be delivered at NP#16 and 29.278 be delivered at NP#17. Also the title states Support of CAMEL by IMS and it should be CAMEL control of IMS Services.

Status: **REVISED to 0305.**

↓ REVISED ↓

NP-020305 Work Item Description for the Support of CAMEL by the IMS *Source: CN2.*

Status: **APPROVED.**

NP-020207 Draft TS 23.278 v 2.0.0 (CAMEL) Phase 4 - Stage 2 IM CN Interworking *Source: CN2.*

Content: Contains draft version of TS 23.278 v2.0.0 for submission to CN#16 for approval. This document defines the stage 2 specification for CAMEL/IMS interworking.

Comments: Jan Ellsberger [Ericsson] commented that the specification is not 80% complete and its approval should be pushed back to a later TSG. Keijo Palviainen [CN2 chair] agreed that it is less than 80% stable, even though a great amount of meeting time has been spent on it. Jan Ellsberger added that product development will start only once the technical aspects are stable. Keijo countered that it is probable that IMS and / or CAMEL Ph.4 is not 80% stable. Ian Park [Vodafone] warned that NOT approving this to be made V5.0.0 in NP#16 may result in TSG SA pushing this out to Rel-6.

Andrew Allen (Dynamicsoft) pointed out that there are references from 23.218 to 23.278 that will be invalidated if 23.278 is moved out of Rel-5.

CN2 has agreed that TS 23.278 is 80% stable and the intention of CN2 is to ask CN plenary if this specification should be placed under change control or not.

Siemens supported placing TS 23.278 under change control.

Ericsson strongly objected to placing TS 23.278 under change control.

In conclusion Stephen will report to SA that CN did not approve 23.278. The intention is to complete stage 2 and stage 3 at CN#17. CN will request that this is still kept in Release-5

Status: **REFERRED BACK TO CN2.**

NP-020253 CR pack: Provisioning of IP-based multimedia services in Camel4. *Source: CN4.*

Comments: Due to above decision on delivery of 23.278 and 29.278 these are postponed.

Status: **POSTPONED to NP#17.**

NP-020225 CRs to Rel-5 on Work Item IMS-CCR towards 24.008 *Source: CN1.*

Status: **APPROVED.**

NP-020226 CRs to Rel-5 on Work Item IMS-CCR towards 23.218 *Source: CN1.*

Status: **APPROVED.**

NP-020227 CRs to Rel-5 on Work Item IMS-CCR towards 24.228 *Source: CN1.*

Comments: ALL CRs APART FROM 24.228 CR004 [see NP-020316] are APPROVED.

Status: **PART-APPROVED (APART FROM 24.228 CR004).**

- NP-020228** CRs to Rel-5 on Work Item IMS-CCR towards 24.228 *Source: CN1.*
Status: **APPROVED.**
- NP-020229** CRs to Rel-5 on Work Item IMS-CCR towards 24.228 *Source: CN1.*
Status: **APPROVED.**
- NP-020237** CRs to Rel-5 on Work Item IMS-CCR towards 24.229. *Source: CN1.*
Content: This proposes 'Solution A' to the same problem covered in NP-020230.
Comments: Andrew Allen [Dynamicsoft] mentioned that there is some controversy within the IETF on the Dialogue ID header, and it may result in an alternate solution being required.
Status: **APPROVED.**
- NP-020230** CRs to Rel-5 on Work Item IMS-CCR towards 24.229 *Source: CN1.*
Content: This proposes 'Solution B' to the same problem covered in NP-020237 so most of the CRs in the package are no longer required, based upon the status of the previous CRs.
Comments: CRs 004r1, 005r2, 007r1 and 009r1 to 24.229 in the tdoc are **APPROVED.**
CR 008 is rejected based on the acceptance of NP-020318
CR contained in N1-021506 is split out and revised into NP-020312.
Status: **PART APPROVED.**
- NP-020231** CRs to Rel-5 on Work Item IMS-CCR towards 24.229 *Source: CN1.*
Comments: CR contained in N1-021169 is split out and revised into NP-020314.
ALL CRs APART FROM 24.229 CR024r2 [see NP-020314] are APPROVED.
Status: **PART APPROVED.**
- NP-020232** CRs to Rel-5 on Work Item IMS-CCR towards 24.229 *Source: CN1.*
Status: **APPROVED.**
- NP-020233** CRs to Rel-5 on Work Item IMS-CCR towards 24.229 *Source: CN1.*
Comments: CR contained in N1-020840 is split out and revised into NP-020315.
ALL CRs APART FROM 24.229 CR050 [see NP-020315] are APPROVED.
Status: **PART APPROVED.**
- NP-020234** CRs to Rel-5 on Work Item IMS-CCR towards 24.229. *Source: CN1.*
Comments: CR contained in N1-021511 is split out and revised into NP-020312.
ALL CRs APART FROM 24.229 CR060r10 [see NP-020312] are APPROVED.
Status: **PART APPROVED.**
- NP-020235** CRs to Rel-5 on Work Item IMS-CCR towards 24.229. *Source: CN1.*
Status: **APPROVED.**
- NP-020236** CRs to Rel-5 on Work Item IMS-CCR towards 24.229. *Source: CN1.*
Status: **APPROVED.**
- NP-020238** CRs to Rel-5 on Work Item IMS-CCR towards 24.229. *Source: CN1.*
Status: **APPROVED.**
- NP-020239** CRs to Rel-5 on Work Item IMS-CCR towards 24.229. *Source: CN1.*
Status: **APPROVED.**
- NP-020240** CRs to Rel-5 on Work Item IMS-CCR towards 24.229. *Source: CN1.*
Status: **APPROVED.**
- NP-020252** CR pack: Provisioning of IP-based multimedia services. *Source: CN4.*

Status: **APPROVED.**

NP-020263 **Open Issues for CAMEL / IMS. Lucent.**
Status: **WITHDRAWN.**

NP-020264 **3GPP TS 29.228v200 on IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents. Source: CN4.**
Comments: CN4 believes that 29.228 has no outstanding Issues and no contentious Issues:
Status: **APPROVED.**

NP-020265 **3GPP TS 29.229 v200 on Cx and Dx Interfaces based on the Diameter protocol; Protocol details. Source: CN4.**
Comments: CN4 believes that 29.229 has no contentious issues and the only outstanding issue is the definition of a mechanism for the negotiation of protocol versions
Status: **APPROVED.**

NP-020277 **3GPP TS 29.328v200 on IP Multimedia (IM) Subsystem Sh Interface; signalling flows and message contents. Source: CN4.**
Comments: CN4 believes that 29.328 has no contentious issues and the only outstanding issues are:
The exact nature of the subscriber state information element is FFS, section 7.6.7.
The multiplicity of service indication needs examination.
In annex C.1, the definition of the format of location information is required.
It is expected that these outstanding issues can be resolved by CRs by NP#17
Status: **APPROVED.**

NP-020266 **3GPP TS 29.329v201 on Sh Interface based on the Diameter protocol; Protocol details. Source: CN4.**
Comments: CN4 believes that 29.329 has no contentious issues and the only outstanding issue is that commands for the Sh may be allocated to start at 100 (to differ from Cx)
Status: **APPROVED.**

NP-020276 **CR 24.229 on Clarification of GPRS aspects. Source: Ericsson.**
Status: **WITHDRAWN.**

NP-020288 **CR 24.228 on Adding security parameters to the call flows. Source: Nokia et al.**
Comments: This CR has not been seen and agreed by CN1 due to lateness of IETF decisions.
Status: **APPROVED.**

NP-020296 **CR 24.228 on SS #1c update. Source: Nokia and Siemens.**
Comments: This CR has not been seen and agreed by CN1 due to lateness of IETF decisions.
Ericsson is currently looking at this group of Late CRs and asks for more time. After comments received off-line, the contribution was revised.
Status: **REVISED to 0309.**
↓ **REVISED** ↓

NP-020309 **CR 24.228 on SS #1c update. Source: Nokia and Siemens.**
Status: **APPROVED.**

NP-020297 **CR 24.228 on MO #1b and MT #1b update. Source: Nokia and Siemens.**
Comments: This CR has not been seen and agreed by CN1 due to lateness of IETF decisions.
Status: **APPROVED.**

NP-020312 **CR 24.228 on Asserted Identity. Source: Lucent.**
Comments: This CR has not been seen and agreed by CN1 due to lateness of IETF decisions.
Status: **APPROVED.**

- NP-020314** CR 24.228 on "update and manyfoks RFC number". *Source: Lucent.*
Comments: This CR has not been seen and agreed by CN1 due to lateness of IETF decisions.
 Editors note under RFC needs to be deleted <<NOTE TO PER, MCC>>>
Status: **APPROVED.**
- NP-020315** CR 24.228 on Media-Authorization header corrections. *Source: Lucent.*
Comments: This CR has not been seen and agreed by CN1 due to lateness of IETF decisions.
 Editors note under RFC needs to be deleted <<NOTE TO PER, MCC>>>
Status: **APPROVED.**
- NP-020316** CR 24.228 on MO, S-S, MT#1a reference flow update. *Source: Nokia and Lucent.*
Comments: This CR has not been seen and agreed by CN1 due to lateness of IETF decisions.
Status: **APPROVED.**
- NP-020317** CR 24.228 on Content of FROM/TO headers 24.228 CR 043R1. *Source: Nokia and Lucent.*
Comments: This CR has not been seen and agreed by CN1 due to lateness of IETF decisions.
Status: **APPROVED.**

8.2 OSA enhancements [OSA2]

- NP-020181** Rel-5 CRs 29.198-xy Addition of Support for Java API Technology Realisation. *Source: CN5.*
Status: **APPROVED.**
- NP-020182** Rel-5 CR 29.198-xy Addition of Support for WSDL Realisation. *Source: CN5.*
Status: **APPROVED.**
- NP-020183** Rel-5 CR 29.198-xy Addition of Support for Network Controlled Notifications MPCC. *Source: CN5.*
Status: **APPROVED.**
- NP-020184** Rel-5 CRs 29.198-01. *Source: CN5.*
Status: **APPROVED.**
- NP-020185** Rel-5 CRs 29.198-02. *Source: CN5.*
Status: **APPROVED.**
- NP-020186** Rel-5 CRs 29.198-03. *Source: CN5.*
Comments: CR34 is a duplicate of CR CR039.
ALL CRs APART FROM CR034 are APPROVED.
Status: **PART APPROVED.**
- NP-020187** Rel-5 CRs 29.198-04. *Source: CN5.*
Status: **APPROVED.**
- NP-020188** Rel-5 CR 29.198-04 for splitting into 4 sub-parts. *Source: CN5.*
Comments: Ian Doig [Motorola] has a problem with CN5 using this multi-part specification numbering system. Ian has concerns with splitting the existing parts once again into sub-parts.
 Stephen Hayes countered that this numbering is allowed and has been used to indicate a family of specifications. Ard Jan Moerdijk [CN5 chair] stated that CN5 have studied the possibility of re-numbering and decided this was the best solution for clarity.
 Keith Drage [Lucent] stated that this multiple sub-part numbering is allowed in ETSI, and a previous decision in CN plenary was to attempt to align our specifications with the ETSI numbering scheme.
 NOTE: All the sub-parts of 29.198-04 will be version 5.0.0
Status: **APPROVED.**

- NP-020189** Rel-5 CRs 29.198-05. *Source: CN5.*
Status: **APPROVED.**
- NP-020190** Rel-5 CRs 29.198-06. *Source: CN5.*
Status: **APPROVED.**
- NP-020191** Rel-5 CRs 29.198-07. *Source: CN5.*
Status: **WITHDRAWN.**
- NP-020192** Rel-5 CRs 29.198-08. *Source: CN5.*
Status: **APPROVED.**
- NP-020193** Rel-5 CRs 29.198-11. *Source: CN5.*
Status: **APPROVED.**
- NP-020194** Rel-5 CRs 29.198-12. *Source: CN5.*
Status: **APPROVED.**
- NP-020195** Rel-5 Draft v2.0.0 TS 29.198-13 OSA API Part 13: Policy Management SCF. *Source: CN5.*
Status: **APPROVED.**
- NP-020196** Rel-5 Draft v2.0.0 TS 29.198-14 OSA API Part 14: Presence and availability Management (PAM). *Source: CN5.*
Status: **APPROVED.**
- NP-020197** Rel-5 Draft v2.0.0 TR 29.998-04-04 Mapping for OSA; Part 4: Call Control Service Mapping; Subpart 4: Multiparty Call Control - ISC. *Source: CN5.*
Comments: NOTE RFC number for SIP is incorrect - should be corrected by the editor / MCC.
Status: **APPROVED.**

8.3 CAMEL Phase 4 [CAMEL4]

- NP-020205** **Composite changes for CAMEL phase 4, Stage 2 (TS 23.078 for Rel-5).** *Source: CN2.*
Content: Presents a clean version of the 23.078v200 that is a result of the composite changes made to this specification between Rel-4 and Rel-5. Revision marks have not been used in order to allow easier reading.
Comments: JMM warned against this type of practice, and also asked that the change history be included in the new v5.0.0 TS for clarity.
The overall document structure of 23.078 Rel-5 is substantially the same as Rel-4. There is however a lot of new information that has been introduced. The top level clause numbers and titles have not been altered, however a lot of changes have been made to the lower level sub-clauses.
There was some resistance against allocating a new TS number instead of using 23.078 for Rel-5 as it does not allow for transparent traceability. This process of issuing a CR which completely replaces an existing TS is discouraged since it compromises traceability.
MCC will add the complete CR history to the ANNEX of this TS.
Status: **APPROVED.**
- NP-020206** **Composite changes for CAMEL phase 4, Stage 3(TS 29.078 for Rel-5).** *Source: CN2.*
MCC will add the complete CR history to the ANNEX of this TS.
Status: **APPROVED.**
- NP-020248** **CR pack: CAMEL phase 4.** *Source: CN4.*
Status: **APPROVED.**

8.4 Location Service Enhancements [LCS1]

NP-020255 CR pack: Location services enhancement. *Source: CN4.*

Status: **APPROVED.**

8.5 End to End QoS [QoSPS]

NP-020166 TS 29.208 - End-to-end QoS signalling flows [N3-020523] . *Source: CN3.*

Comments: OPEN ISSUES:- alignment for RSVP with the stage 2 specification. It was requested that the open issues be listed in a separate document [NP-020306]

Status: **APPROVED.**

NP-020306 Open issues for TS 29.208. *Source: Lucent.*

Status: **NOTED.**

NP-020167 TS 29.207 - Policy control over Go interface [N3-020524] . *Source: CN3.*

Comments: OPEN ISSUES:- alignment for DIFFSERV interworking function. Guidance required from SA2. NOTE: the document includes several EDITOR'S NOTES that reflect the work that remains to be done. It was requested that the open issues be listed in a separate document [NP-020307].

Status: **APPROVED.**

NP-020307 Open issues for TS 29.207. *Source: Lucent.*

Status: **NOTED.**

8.6 Security enhancements [SEC1]

NP-020257 CR pack: Security enhancements. *Source: CN4.*

Status: **APPROVED.**

8.7 Service Change and UDI Fallback [SCUDIF]

NP-020164 Revised WID for Circuit Switched (CS) Multimedia Service; UDI/RDI Fallback and Service Modification. *Source: CN3.*

DAB note << remove the provisional number note from MCC >>>

Status: **APPROVED.**

NP-020168 TS 23.172 Technical Realization of Circuit Switched (CS) Multimedia Service; UDI/RDI Fallback and Service Modification [N3-020310]. *Source: CN3.*

Comments: No open items on SCUDIF.

Status: **APPROVED.**

NP-020169 CR Pack on SCUDIF. *Source: CN3.*

Status: **APPROVED.**

NP-020241 CR to Rel-5 on Work Item SCUDIF towards 24.008. *Source: CN1.*

Status: **APPROVED.**

8.8 Technical enhancements and improvements [TEI]

NP-020242 CRs to Rel-5 on Work Item TEI5 towards 24.008. *Source: CN1.*

Status: **APPROVED.**

NP-020243 CRs to Rel-5 on Work Item TEI5 towards 23.009 and 23.122. *Source: CN1.*

Comments: CR066r2 requires conditional approval as it still needs to be circulated and agreed by CN4. It will be sent out for comments / agreement to the CN4 list with a cut-off date of 12:00 CET Thursday 13 June. This CR has conditional approval in CN (condition being no objections from CN4).
The remaining 2 CRs in the PACK are approved.

Status: **PART APPROVED.**

NP-020260 **CR pack: Technical Enhancement and Improvements for Release 4.** *Source: CN4.*

Status: **APPROVED.**

NP-020261 **CR pack: Support of IPv4 and IPv6 node addresses in Core Network.** *Source: CN4.*

Content: Contains a CR that was agreed in CN4, although Lucent formally objected to the agreement and they propose an alternative solution [NP-020626]. Includes a cautionary statement " *Interoperability problems can arise if a pre-Release-5 GSN uses IPv6 transport* " with additional explanation of what the problems are

Status: **REVISED to 0310.**

↓ **REVISED** ↓

NP-020310 **CR pack: Support of IPv4 and IPv6 node addresses in Core Network.** *Source: CN4.*

Stephen will highlight CN's solution to this issue to TSG SA

Status: **APPROVED.**

NP-020262 **Support of IPv4 and IPv6 node addresses in Core Network.** *Source: Lucent Technologies.*

Content: In the interest of protecting operators from possible future deployment and operation issues, Lucent proposes that CN Plenary asks CN4 to re-consider their initial non-consensus based position [NP-020161] and to adopt the network operator friendly, all encompassing solution proposed in the CR attached to this contribution.

Comments: There is a backwards compatibility problem if a pre-Rel-5 GPRS infrastructure allocates IPv6 addresses to the network nodes.
SA2 has endorsed the simpler solution [NP-020261] - that includes a warning to operators to avoid using IPv6 addressing in a pre-Rel-5 network. This SA2 solution will be presented to SA#16.
Steve Mecrow [mm02] commented that this is more of a cross operator deployment issue and should be handled outside of 3GPP, probably by the GSM association.
Peter Schmitt [Siemens] clarified that if [in a pre-Rel-5 network] an operator uses a dual stack [IPv4 / IPv6] but only employs IPv4 addressing - the interoperability problem is avoided.
Nokia does not see the added value of the Lucent CR and believes that interoperability problems remain.

Nigel Berry [Lucent] does not disagree with the Note in the original CR, but wants the message to be made more normative. If this is done Lucent will accept a the modified version of the original CR.
Stephen Hayes proposed that the NOTE be reworded to 'Use of ipv6 transport in a pre-Release 5 GSN can lead to interoperability problems. The final rewording was agreed offline between interested parties

Status: **NOTED.**

NP-020273 **CR 24.008 on Addition of missing code point for 8-PSK Half Rate AMR.** *Source: Ericsson LM.*

Status: **REVISED TO 0292 [before presentation].**

↓ **REVISED** ↓

NP-020292 **CR 24.008 on Addition of missing code point for 8-PSK Half Rate AMR.** *Source: Ericsson LM.*

Comments: Andrew Howell [Motorola] had concerns with the inclusion of NOTE 2 that cross references 26.103. Proposed to remove the duplicate definitions for each code point in relation to each CODEC type. It was noted that the CR is made under a Rel-4 WI although it is for Rel-5. Proposed to change to TEI5.

Status: **REVISED to 0311**

↓ **REVISED** ↓

NP-020311 **CR 24.008 on Addition of missing code point for 8-PSK Half Rate AMR.** *Source: Ericsson LM.*

Status: **APPROVED.**

8.9 Any other Rel-5 WI

NP-020247 **CR pack: AMR WB.** *Source: CN4.*

Content: This CR completes CN4s work on AMR-WB except for the lawful intercept (out of CN control).
Status: **APPROVED.**

NP-020267 **CR pack: Intra Domain Connection of RAN Nodes to multiple CN nodes.** *Source: CN4.*
Status: **APPROVED.**

9 Release 6

9.1 IMS Phase 2 [IMS]

NP-020165 Revised WID on interworking between IMS and CS [N3-020521]. *Source: CN3.*

Contents: This revised WID includes the work required for the new interface IMS Mc.

Comments: Editorial correction to section 4 to remove the reference to Rel-6.

Keith Drage [Lucent] high-lighted that this WID implies modifications to the architecture to introduce two different reference points. This modification needs to be done in SA2. Norbert Klehn [CN3 chair - Siemens] proposed sending an LS to SA2 seeking clarification on the need for one or two reference points

CN4 will produce a new TS (as opposed to re-using the existing Mc), as they are dealing with two distinct applications.

Steve Mecrow [mm02] proposed that the two deliverables would be better handled in two distinct WIDs. In this way the inclusion of the Mc interface will not further delay the delivery of the late TS 29.163. Originally CN3 had preferred a separate WID, but CN4 had proposed a merged WID in order to avoid the additional management of a new WID to manage this new interface.

Andrew Allen [Dynamicsoft] agreed that is better to limit the scope of 29.163 in order to ensure it is delivered in a useful timeframe. Steve Mecrow added that separate WIDS would give additional clarity. Nigel Berry and Andrew Allen supported separate WIDs.

It was agreed to separate out the CN4 part of this WID [NP-020320]. The previously approved version of the CN3 WID for interworking between IMS and CS remains as the valid version.

Status: **REVISED to 0320**

↓ **REVISED** ↓

NP-020320 Proposed WID for Bearer independent architecture in the PS domain. *Source: CN3.*

Status: **APPROVED.**

9.2 Support of PRESENCE [PRESNC]

No input to this agenda item.

9.3 Security enhancements [SEC1]

No input to this agenda item.

9.4 Emergency call enhancements [EMC1]

No input to this agenda item.

9.5 Speech recognition and speech enabled services [SRES]

No input to this agenda item.

9.6 Generic user profile [GUP]

No input to this agenda item.

9.7 OSA enhancements [OSA3]

No input to this agenda item.

9.8 Multimedia broadcast and multicast service [MBMS]

NP-020244 WID: Support of the Multimedia Broadcast Multicast Service (MBMS) in CN protocols. *Source: CN1.*

Comments: The stage 2 that is to be presented to SA#16 contains several architectural options. However the intent of this WID is to indicate CNs intention to work in the area of MBMS once the work in SA2 has stabilised.

Niels Andersen [Motorola] had concerns with the wording in section 3 that indicates that the stage 1 is complete and stage 2 is well advanced. He stated that the stage 2 is not yet stable and still requires work to be done in RAN. Protocol work within CN cannot begin until the architecture is stable.

It was proposed to make the timescales mentioned in this WID more realistic. Also the dependency on RAN needs to be reflected in the WID.

Andrew Allen [Dynamicsoft] suggested having a joint ad-hoc with RAN to progress the MBMS work and accelerate the progress of the stage 2.

Niels Andersen high-lighted that this WID seems to assume a point to point solution coming out of RAN. This is not yet agreed in RAN or SA2.

There was general support for having the MBMS WID in CN.

It was proposed to re-word the text in section 3 to indicate that the stage 2 is not as well advanced as originally suggested. Also to remove the proposed timescales for completion of this work.

Status:

↓ REVISED ↓

REVISED to 0323.

NP-020323

Rev. WID: Support of the Multimedia Broadcast Multicast Service (MBMS) in CN protocols.

Status:

APPROVED.

9.9 Any other Rel-6 WI

NP-020269

Work item description: Interworking of CS user plane between 3GPP and external PLMN/PSTN/ISDN. Source: CN4.

Status:

APPROVED.

10 TSG CN work organization

10.1 Principles for work organization within CN

NP-020290

Organisation of work in TSG CN after Release 5. Source: CN V.chair.

Content:

Contains a review of the work organisation within CN.

Comments:

Stephen Hayes [CN chair] stated that is a good thing for CN to review its worksplit periodically to make sure the work organisation within CN is optimal.

This proposal is not that CN re-organises now, just be aware that we need to keep a track of what we are doing and how we are doing it.

The contribution suggests the ground rules for any re-organisation should be:

- There should not be a large difference between the workloads of different groups
- We should try to avoid the same skill set being required for delegates to different WG meetings;
- Each group should have a workload which mixes the maintenance of existing specifications and the development of new specifications.
- Even though our aim is to put the Release 5 specifications for which CN is responsible under change control at CN #16, we need to recognise that substantial work will be needed over the next 6 months to stabilise those specifications. Indeed there are some specifications for which we will not meet the target of approval at CN #16: to name only two, the protocol specification for the Ze interface from CN4 and the CAP protocol specification for CAMEL control of IMS from CN2. The timing of any restructuring should take account of the need to complete the work on the Release 5 specifications.

Also there is work being done outside of TSG-CN which could be seen as more appropriate to one of the CN working groups. Two examples of this are the GPRS stage 2 specification, 23.060, and the stage 2 specifications for Location Services, 23.071 & 23.271. CN could consider taking responsibility for all / some of these.

Hannu Hietalahti [CN1 chair] did not think it is realistic for all WGs to have the same / similar number of meeting dates and tdocs per meeting. Hannu does not (yet) wish to touch the work organisation of CN1, but wished to continue the CN1 practice of having specific topic oriented ad hoc meetings.

Iain Sharp added that the work done by individual working groups needs to be fairly self contained and grouped by skill set in order to limit the inter group dependencies.

Ian Doig [Motorola] supported CN taking responsibility for certain stage 2 specifications from SA2. He proposed mentioning this to SA#16. SA2 is greatly overworked and this would relieve the workload.

There was support for moving TS 23.060 to CN's responsibility. Motorola currently have rapporteurship of 23.060 and would maintain that responsibility should this move over to TSG CN.

Stephen will report to TSG SA that we are willing to take responsibility for certain SA2 specifications.

Stephen Hayes proposed that we do not conclude on the issue of CN organization at NP#16, but encourages open and active dialogue on this on the CN email exploder list.

Status:

Noted.

10.2 Terms of Reference

No Input.

10.3 Support Arrangements

No Input.

10.4 Working methods / Work Style

NP-020313 A proposed new CR cover page template *Source: MCC.*

Comments: Note: This has been seen and endorsed by TSG T and TSG RAN.

Wording needs to be made more mandatory if this is approved in TSG SA.

Boxes will be used on ALL CRs not only those that are made to Frozen specs.

Request to keep the CR cover page 'STYLE' be consistent.

RAN will reject CRs that don't have the YES/NO boxes completed. CN will not take this approach for the moment.

The meeting had concerns with separating the USIM / ISIM. This will probably be raised in TSG SA

It was mentioned that it is better to reduce the number of Tick boxes for individual entities.

Also: Linked CRs need to be reflected in the Other core specs and the semantics needs to be "SPEC+CR NUMBER" or "SPEC+CR DESCRIPTION". However for "Impact on Test and O&M" specifications where the CRs come a lot later the semantics need to be only "SPEC"

Stephen will report to SA that CN endorses it, but has serious concerns with the split of the (U)SIM / ISIM.

Stephen will communicate the final completed version of the template to all CN WGs.

Status: **ENDORSED by TSG CN.**

10.5 Future Meeting Schedule

CN plenary and CN WG meetings in 2002-2003			
Date	Meeting	Venue	Host
29 July – 2 August 2002	CN WGs	Helsinki, FINLAND	Sonera, Nokia, Elisa
4 – 6 September 2002	CN #17	Biarritz, FRANCE	Alcatel
23 – 27 September 2002	CN WGs	West coast (???), USA	North American Friends
11 – 15 November 2002	CN WGs	Bangkok, THAILAND	Japanese Friends
4 – 6 December 2002	CN #18	New Orleans, USA	North American Friends
10 – 14 February 2003	CN WGs		
12 – 14 March 2003	CN #19	Jersey Island, UK	UK Friends
7 – 11 April 2003	CN WGs		
19 – 23 May 2003	CN WGs		
4 – 6 June 2003	CN #20	FINLAND	Nokia
18 – 22 August 2003	CN WGs		
17 – 19 September 2003	CN #21	GERMANY	To be confirmed
27 – 31 October 2003	CN WGs	China	Japanese Friends
10 – 12 December 2003	CN #22	To be confirmed	NA & Japanese Friends

NP-020293 3GPP2 calendar of meeting for 2002/2003. Source: 3GPP TSG-N chair

Status: **NOTED.**

NP-020298 3GPP calendar of meeting for 2002/2003. Source: CN chair

Comments: Goal is not to overlap with 3GPP2 meetings (where possible).
 Chose 10-14 Feb 2003 to avoid clash with 3GPP2 TSG-N meeting.
 Chose 07-11 April.
 Chose 19-23 May 2003 to avoid clash with 3GPP2 TSG-N meeting.
 Chose 18-22 Aug to avoid Important Japanese holiday [Clashes with 3GPP2 TSG-N]
 Chose 27-31 Oct to allow time for possible additional meeting

It could be one possibility to have only 4 co-located CN WG meetings in 2003. Also the relationship with SA2/3 is important.

Also the date for the freezing of Rel-6 has been initially scheduled as June 2003. It is still possible that this date will change, and this will have impact on all of the CN WG meeting dates.

It was proposed to take these dates as tentative dates which are subject to change. Stephen will present these to SA and ask if they see any important clashes with these dates.

Stephen Hayes will indicate these initial dates to the chair of 3GPP2 TSG-N by email.

Andrew Allen suggested co locating the 3GPP2 and 3GPP meetings in August in the same hotel to allow delegates to attend but there was no agreement on this point.

Note: China and Japan will co-host a meeting in October 2003.

The tentative dates were revised into a new document.

Status: **REVISED to 0318.**

↓ REVISED ↓

NP-020318 3GPP calendar of meeting for 2002/2003. Source: CN chair

Status: **NOTED.**

11 Specifications in TSG-CN domain

NP-020279 CR 010 to 21.101: "Correction to list of specs". Source: MCC.

Status: **NOTED.**

NP-020280 CR 007 to 21.102: "Correction to list of specs". Source: MCC.

Status: **NOTED.**

NP-020281 TR 21.103 v2.0.0. Source: MCC.

Status: **NOTED.**

NP-020282 CR 006 to 01.01: "GSM Release 1999 specifications. Source: MCC.

Status: **NOTED.**

NP-020283 CR 005 to 41.102: "GSM Release 4 Specifications". Source: MCC.

Status: **NOTED.**

NP-020284 TR 41.103 v2.0.0. Source: MCC.

Comments: Keith Drage [Lucent] has indicated to JMM offline a list of IMS specifications that apply to both UMTS and GSM (20 series and 30 series) that need to be included in the list.

Status: **NOTED.**

NP-020285 Specs status list prior to TSGs#16. Source: MCC.

Comment: Following NP#16 MCC will upgrade all remaining Rel-4 specifications to v5.0.0 (if it has not yet been done).

Status: **NOTED.**

NP-020286 List of specs / releases. Source: MCC.

Status: **NOTED.**

12 Review of 3GPP Work Plan

NP-020146 3GPP Work Plan Source: MCC.

Comments: These items need to be included into the workplan:

- MS stage 3 documents in CN1 in ID 1278 and ID 1998 were raised to 90 % complete. Due to open items we cannot claim that they are 100 % yet.
- SIP extensions for integrity protection in ID 11014 is complete
- The state of readiness of CN1 IMS stage 3 is reflected in Gm interface, ID 11020, which is also 90 % complete
- 2 % was chosen as low non-zero figure to indicate that the discussion on Rel-6 presence service has started
- All drafts which have become RFCs have been marked 100 % complete in the reference version of the work plan already. No changes to the maturity level of the remaining IETF drafts have been made.
- For those drafts in the project plan:
 - If RFC# allocated ->100%
 - If in IETF/FC -> 95%
 - If in WGLC -> 90%

From WID: Bearer independent architecture in the PS-domain

Note: In the 3GPP work plan, "Mc interface (IM-MGW to MGCF) enhancements " is currently listed as item 112 under this building block with the comment "no work required". This should be revised.

Status: **NOTED.**

NP-020147 3GPP Work Plan [Slide Presentation] Source: MCC.

Comments: Comments received from other Plenaries.

Status: **REVISED to 0321.**

↓ **REVISED** ↓

NP-020321 3GPP Work Plan [Slide Presentation]. *Source: MCC.*

Comments: Comments were taken to slides on-line during the meeting.

TO SLIDE 19 [IMS – General issues]: Add Related CRs approved in CN#16

TO SLIDE 20 [IMS – General issues]: Add comment on significant progress on IMS and IETF.

TO SLIDE 23 [Security issue]: Lawful interception for IMS needs to be checked.

TO SLIDE 25 [IMS Interfaces]: For Si interfaces simply see slide on CAMEL-Ph 4.

TO SLIDE 25 [IMS Interfaces]: For Mc, 29.232 = complete (in Rel-5)

TO SLIDE 25 [IMS interfaces]: Interface at Mc (MGCF – IM-MGW): WI for Rel-6 is approved.

TO SLIDE 27 [GTT]: A change is NOT required to support CTM for N. America as the issue is handled in the transposition from 3GPP specs to SDO specs.

TO SLIDE 31 [Camel Phase4]: .

TO SLIDE 45 [e2e QoS]: There is work required for RAN. Charging ID has been handled. Mapping of media types needs to be handled by SA/RAN

TO SLIDE 51: conflict between service numbers and emergency numbers is for SA1 to resolve.

TO SLIDE 73: Mg interface (BGCF to MGCF - interworking with CS) should be under Rel-5.

Status: **REVISED to 0319.**

↓ **REVISED** ↓

NP-020319 3GPP Work Plan [Slide Presentation]. *Source: MCC.*

Status: **NOTED.**

13 Postponed issues from earlier in the meeting

No Input.

14 Any other business

15 Close of Meeting

The Chairman thanked the host, delegates and MCC for their participation, and closed the meeting at 16:30 on Friday 7 June.

ANNEX A:OUTPUT MATERIAL

A.1 Liaisons Approved to be sent following TSG CN meeting #16

TDoc #	Tdoc Title	LS to	LS cc	Attach.
NP-020304	LS on CN Recommendations for Implementing CN Harmonization	SA	-	none
NP-020322	LS on coordination of SDO input to ITU-T Q-1741.2	ARIB, CWTS, ETSI, T1, TTA, TTC	SA	none

A.2 New TSs /TRs Approved at TSG CN meeting #16

TDoc #	Type	Spec	N_Vers	Tdoc Title	Source
NP-020264	TS	29.228	5.0.0	IP Multimedia (IM) Subsystem Cx and Dx Interfaces;Signalling flows and message contents	CN4
NP-020265	TS	29.229	5.0.0	Cx and Dx Interfaces based on the Diameter protocol;Protocol details	CN4
NP-020266	TS	29.329	5.0.0	Sh Interface based on the Diameter protocol;Protocol details	CN4
NP-020277	TS	29.328	5.0.0	IP Multimedia (IM) Subsystem Sh Interface;Signalling flows and message contents	CN4
NP-020166	TS	29.208	5.0.0	End-to-end QoS signalling flows	CN3
NP-020167	TS	29.207	5.0.0	Policy control over Go interface	CN3
NP-020168	TS	23.172	5.0.0	Technical Realization of Circuit Switched (CS) Multimedia Service; UDI/RDI Fallback and Service Modification	CN3
NP-020195	TS	29.198-13	5.0.0	API Part 13: Policy Management SCF	CN5
NP-020196	TS	29.198-14	5.0.0	OSA API Part 14: Presence and Availability Management (PAM)	CN5
NP-020197	TR	29.998-04-4	5.0.0	Mapping for OSA; Part 4: Call Control Service Mapping; Subpart 4: Multiparty Call Control - ISC	CN5

A.3 New / Revised Work Items Approved at TSG CN meeting #16

TDoc #	Tdoc Title	Source	Rel
NP-020305	Work Item Description for the Support of CAMEL by the IMS	CN2	Rel-5
NP-020320	Revised WID on interworking between IMS and CS [N3-020521]	CN3	Rel-6
NP-020323	Support of the Multimedia Broadcast Multicast Service (MBMS) in CN protocols.	CN1	Rel-6
NP-020269	Work item description: Interworking of CS user plane between 3GPP and external PLMN/PSTN/ISDN	CN4	Rel-6
NP-020164	Revised WID for Service Change and UDI Fallback [N3-020315]	CN3	Rel-5

A.4 Status of CRs following TSG CN meeting #16

<<< TO BE COMPLETED >>>

Spec	CR	R.	Ph.	Cat	NP doc	WG doc	TSG status	Subject	V_Ver	N_Ver	WG	Workitem

xxx CRs approved at TSG#16.

ANNEX B Tdoc List with Status for CN#16

TDoc #	Agenda	Type	Tdoc Title	Source	Status
NP-020140	2	AGENDA	Draft Agenda for CN#16 (Marco)	MCC	APPROVED
NP-020141	2	DAD	Allocation of documents to agenda items at start of meeting	CN V.chair	NOTED
NP-020142	2	DAD	Allocation of documents to agenda items at close of day 1	CN V.chair	NOTED
NP-020143	2	DAD	Allocation of documents to agenda items at close of day 2	CN V.chair	NOTED
NP-020144	2	DAD	Allocation of documents to agenda items at close of day 3	CN V.chair	NOTED
NP-020145	4.1	REPORT	Draft Meeting report from CN#15 (Jeju)	MCC	APPROVED
NP-020146	12	WORK PLAN	3GPP Work Plan	MCC	NOTED
NP-020147	12	WORK PLAN	3GPP Work Plan [Slide Presentation]	MCC	REVISED TO 0321
NP-020148	5.2	LS IN	SA1 Position Statement related to ITU-T request for information on activities related to Emergency	SA1	WITHDRAWN
NP-020149	5.1	LS IN	LS on 3GPP specific Diameter applications [N4-020732]	CN4	NOTED
NP-020150	5.1	LS IN	LS on Status of protocol work on Ze interface [N4-020769]	CN4	NOTED
NP-020151	5.2	LS IN	Response to the LS on "IPv6 update of stage 3 specifications" [S2-021521]	SA2	NOTED
NP-020152	5.2	LS IN	Response to email "NP-010710: AMR-WB TSs from SA4" [S3-020129]	SA3	WITHDRAWN
NP-020153	5.1	LS IN	Liaison Statement on "IPv6 update of stage 3 specifications" [N3-020361]	CN3	NOTED
NP-020154	5.2	LS IN	GERAN Review of CRs to 24.007 [GP-021150]	GERAN	NOTED
NP-020155	5.1	LS IN	Liaison Statement on 3GPP Network Domain Name usage for IMS [N1-021455]	CN1	NOTED
NP-020156	4.3	LIST	tdoc#1 - Bundle 2 and 3 RFC numbers from IETF	CN chair	NOTED
NP-020157	4.4	Correspondance	Harmonizing the IP Core Network	Chair, 3GPP2 TSG-N	NOTED
NP-020158	4.4	Presentation	3GPP2 IP Multimedia Domain	Chair, 3GPP2 TSG-N	NOTED
NP-020159	4.3	REPORT	IETF deliverable status preceeding the CN#16 plenary	CN chair	NOTED
NP-020160	6.3.1	REPORT	Status Report for TSG CN WG3	CN3 Chair	NOTED
NP-020161	6.3.1	REPORT	CN3#22 Meeting Report	MCC	NOTED
NP-020162	6.3.1	REPORT	CN3#23 Meeting Report	MCC	NOTED
NP-020163	6.3.1	LS PACK	All LSs sent from CN3 since TSG CN#15 Meeting	MCC	NOTED
NP-020164	8.7	WID	Revised WID for Service Change and UDI Fallback [N3-020315]	CN3	APPROVED
NP-020165	9.1	WID	Revised WID on interworking between IMS and CS [N3-020521]	CN3	REVISED TO 0320
NP-020166	8.5	TS	TS 29.208 - End-to-end QoS signalling flows [N3-020523]	CN3	APPROVED
NP-020167	8.5	TS	TS 29.207 - Policy control over Go interface [N3-020524]	CN3	APPROVED

TDoc #	Agenda	Type	Tdoc Title	Source	Status
NP-020168	8.7	TS	23.172 Technical Realization of Circuit Switched (CS) Multimedia Service; UDI/RDI Fallback and Service	CN3	APPROVED
NP-020169	8.7	CR Pack	CR Pack on SCUDIF	CN3	APPROVED
NP-020170	7.3	CR Pack	CR Pack on TEI [GPRS] Pack 1	CN3	REVISED TO 0295
NP-020171	7.3	CR Pack	CR Pack on TEI [GPRS] Pack 2	CN3	APPROVED
NP-020172	7.11	CR Pack	CR Pack on TEI [CS Data]	CN3	APPROVED
NP-020173	7.11	CR PACK	Change DHCPv6 internet-draft reference to RFC	Ericsson	WITHDRAWN
NP-020174	8.1	CR	Actions within the GGSN for IMS parameters sent in PDP context activation (revision of N3-020503)	Ericsson	WITHDRAWN
NP-020175	6.5.1	REPORT	Chairman's report from CN5 (slide presentation)	CN5 Chair	NOTED
NP-020176	6.5.1	LS OUT	LSs outgoing from CN5 between CN#15 and CN#16	CN5	NOTED
NP-020177	6.5.1	REPORT	Report of CN5#16, Sophia Antipolis, France, 8 - 12 April 2002 (N5-020180)	CN5	NOTED
NP-020178	6.5.1	REPORT	Draft Report of CN5#17, Budapest, Hungary, 13 - 17 May 2002 (N5-020327)	CN5 Chair	NOTED
NP-020179	7.10	CR	Rel-4 CRs 29.198-03	CN5	APPROVED
NP-020180	7.10	CR	Rel-4 CRs 29.198-04	CN5	APPROVED
NP-020181	8.2	CR	Rel-5 CRs 29.198-xy Addition of Support for Java API Technology Realisation	CN5	APPROVED
NP-020182	8.2	CR	Rel-5 CR 29.198-xy Addition of Support for WSDL Realisation	CN5	APPROVED
NP-020183	8.2	CR	Rel-5 CR 29.198-xy Addition of Support for Network Controlled Notifications MPCC	CN5	APPROVED
NP-020184	8.2	CR	Rel-5 CRs 29.198-01	CN5	APPROVED
NP-020185	8.2	CR	Rel-5 CRs 29.198-02	CN5	APPROVED
NP-020186	8.2	CR	Rel-5 CRs 29.198-03	CN5	PART APPROVED
NP-020187	8.2	CR	Rel-5 CRs 29.198-04	CN5	APPROVED
NP-020188	8.2	CR	Rel-5 CR 29.198-04 for splitting into 4 sub-parts	CN5	APPROVED
NP-020189	8.2	CR	Rel-5 CRs 29.198-05	CN5	APPROVED
NP-020190	8.2	CR	Rel-5 CRs 29.198-06	CN5	APPROVED
NP-020191	8.2	CR	Rel-5 CRs 29.198-07	CN5	NOT USED
NP-020192	8.2	CR	Rel-5 CRs 29.198-08	CN5	APPROVED
NP-020193	8.2	CR	Rel-5 CRs 29.198-11	CN5	APPROVED
NP-020194	8.2	CR	Rel-5 CRs 29.198-12	CN5	APPROVED
NP-020195	8.2	TS	Rel-5 Draft v2.0.0 TS 29.198-13 OSA API Part 13: Policy Management SCF	CN5	APPROVED
NP-020196	8.2	TS	Rel-5 Draft v2.0.0 TS 29.198-14 OSA API Part 14: Presence and Availability Management (PAM)	CN5	APPROVED

TDoc #	Agenda	Type	Tdoc Title	Source	Status
NP-020197	8.2	TR	Rel-5 Draft v2.0.0 TR 29.998-04-04 Mapping for OSA; Part 4: Call Control Service Mapping; Subpart 4:	CN5	APPROVED
NP-020198	6.2.1	REPORT	Status Report for TSG CN WG2	CN2 Chair	NOTED
NP-020199	6.2.1	REPORT	CN2#23 Meeting Report	MCC	NOTED
NP-020200	6.2.1	REPORT	CN2#24 Draft Meeting Report	MCC	NOTED
NP-020201	6.2.1	LS PACK1	LSs sent from CN2 since TSG CN#15 Meeting	CN2	NOTED
NP-020202	7.1	CR PACK1	CRs to R97 WI CAMEL2, Pack 1	CN2	APPROVED
NP-020203	7.1	CR PACK2	CRs to R99 WI CAMEL3, Pack 2	CN2	APPROVED
NP-020204	7.1	CR PACK3	CRs to R99 WI CAMEL3, Pack 3	CN2	APPROVED
NP-020205	8.3	CR	Composite changes for CAMEL phase 4, Stage 2(TS 23.078 for Rel-5)	CN2	APPROVED
NP-020206	8.3	CR	Composite changes for CAMEL phase 4, Stage 3(TS 29.078 for Rel-5)	CN2	APPROVED
NP-020207	8.1	TS	Draft TS 23.278 v 1.2.0(CAMEL) Phase 4 - Stage 2 IM CN Interworking	CN2	NOTED
NP-020208	8.1	WID	Work Item Description for the Support of CAMEL by the IMS	CN2	REVISED TO 0305
NP-020209	6.1.1	INFO	CN1 IMS open items list	CN1 Chairman	REVISED TO 0278
NP-020210	6.1.1	REPORT	Status Report for TSG CN WG1	CN1 Chair	REVISED TO 0294
NP-020211	6.1.1	REPORT	CN1#23 Meeting Report	MCC	NOTED
NP-020212	6.1.1	REPORT	CN1#SIPadhoc0204 Meeting Report	MCC	NOTED
NP-020213	6.1.1	REPORT	CN1#24 Meeting Report	MCC	NOTED
NP-020214	6.1.1	LS PACK 1	All LSs sent from CN1 since TSG CN#15 Meeting (Pack 1)	MCC	NOTED
NP-020215	6.1.1	LS PACK 2	All LSs sent from CN1 since TSG CN#15 Meeting (Pack 2)	MCC	NOTED
NP-020216	7.2	CR PACK	CR to R99 (with mirror CRs) on Work Item Security towards 24.008	CN1	APPROVED
NP-020217	7.3	CR PACK	CR to R99, Rel-4 and Rel-5 on Work Item GPRS towards 24.008	CN1	APPROVED
NP-020218	7.6	CR PACK	CRs to R99 (with mirror CRs) on Work Item GSM/UMTS interworking towards 24.007 and 23.009	CN1	APPROVED
NP-020219	7.6	CR PACK	CRs to R99 (with mirror CRs) on Work Item GSM/UMTS interworking towards 24.008	CN1	APPROVED
NP-020220	7.7	CR PACK	CRs to Rel-4 (with mirror CR) on Work Item TrFO towards 24.008	CN1	APPROVED
NP-020221	7.8	CR PACK	CR to Rel-4 (with mirror CR) on Work Item CSSPLIT towards 24.008	CN1	APPROVED
NP-020222	7.11	CR PACK	CRs to R99 (with mirror CRs) on Work Item TEI towards 24.007 and 09.94 (29.994)	CN1	APPROVED
NP-020223	7.11	CR PACK	CRs to R99 (with mirror CRs) on Work Item TEI towards 24.008 and 29.018	CN1	APPROVED
NP-020224	7.12	CR PACK	CRs to Rel-4 (with one mirror CR) on Work Item TEI4 towards various TSs	CN1	APPROVED
NP-020225	8.1	CR PACK	CRs to Rel-5 on Work Item IMS-CCR towards 24.008	CN1	APPROVED

TDoc #	Agenda	Type	Tdoc Title	Source	Status
NP-020226	8.1	CR PACK	CRs to Rel-5 on Work Item IMS-CCR towards 23.218	CN1	APPROVED
NP-020227	8.1	CR PACK-1	CRs to Rel-5 on Work Item IMS-CCR towards 24.228	CN1	PART APPROVED
NP-020228	8.1	CR PACK-2	CRs to Rel-5 on Work Item IMS-CCR towards 24.228	CN1	APPROVED
NP-020229	8.1	CR PACK-3	CRs to Rel-5 on Work Item IMS-CCR towards 24.228	CN1	APPROVED
NP-020230	8.1	CR PACK-1	CRs to Rel-5 on Work Item IMS-CCR towards 24.229	CN1	PART APPROVED
NP-020231	8.1	CR PACK-2	CRs to Rel-5 on Work Item IMS-CCR towards 24.229	CN1	PART APPROVED
NP-020232	8.1	CR PACK-3	CRs to Rel-5 on Work Item IMS-CCR towards 24.229	CN1	APPROVED
NP-020233	8.1	CR PACK-4	CRs to Rel-5 on Work Item IMS-CCR towards 24.229	CN1	PART APPROVED
NP-020234	8.1	CR PACK-5	CRs to Rel-5 on Work Item IMS-CCR towards 24.229	CN1	PART APPROVED
NP-020235	8.1	CR PACK-6	CRs to Rel-5 on Work Item IMS-CCR towards 24.229	CN1	APPROVED
NP-020236	8.1	CR PACK-7	CRs to Rel-5 on Work Item IMS-CCR towards 24.229	CN1	APPROVED
NP-020237	8.1	CR PACK-8	CRs to Rel-5 on Work Item IMS-CCR towards 24.229	CN1	APPROVED
NP-020238	8.1	CR PACK-9	CRs to Rel-5 on Work Item IMS-CCR towards 24.229	CN1	APPROVED
NP-020239	8.1	CR PACK-10	CRs to Rel-5 on Work Item IMS-CCR towards 24.229	CN1	APPROVED
NP-020240	8.1	CR PACK-11	CRs to Rel-5 on Work Item IMS-CCR towards 24.229	CN1	APPROVED
NP-020241	8.7	CR PACK	CR to Rel-5 on Work Item SCUDIF towards 24.008	CN1	APPROVED
NP-020242	8.8	CR PACK	CRs to Rel-5 on Work Item TEI5 towards 24.008	CN1	APPROVED
NP-020243	8.8	CR PACK	CRs to Rel-5 on Work Item TEI5 towards 23.009 and 23.122	CN1	PART APPROVED
NP-020244	9.8	WID	Support of the Multimedia Broadcast Multicast Service (MBMS) in CN protocols.	CN1	REVISED TO 0323
NP-020245	6.4.1	REPORT	CN4 meeting reports after CN#15	CN4	NOTED
NP-020246	6.4.1	LS PACK	CN4 Output LSs after CN#15	CN4	NOTED
NP-020247	8.9	CR pack	AMRWB	CN4	APPROVED
NP-020248	8.3	CR pack	Camel Phase 4	CN4	APPROVED
NP-020249	7.8	CR pack	Enable Bearer independent CS architecture	CN4	APPROVED
NP-020250	7.3	CR pack	GPRS	CN4	APPROVED
NP-020251	7.5	CR pack	Handover	CN4	APPROVED
NP-020252	8.1	CR pack	Provisioning of IP-based multimedia services	CN4	APPROVED
NP-020253	8.1	CR pack	Provisioning of IP-based multimedia services in Camel4	CN4	
NP-020254	7.4	CR pack	Location services	CN4	APPROVED

TDoc #	Agenda	Type	Tdoc Title	Source	Status
NP-020255	8.4	CR pack	Location services	CN4	APPROVED
NP-020256	7.9	CR pack	Multicall	CN4	APPROVED
NP-020257	8.6	CR pack	Security enhancements	CN4	APPROVED
NP-020258	7.11	CR pack	Technical Enhancement and Improvements	CN4	APPROVED
NP-020259	7.11	CR pack	Technical Enhancement and Improvements	CN4	APPROVED
NP-020260	8.8	CR pack	Technical Enhancement and Improvements	CN4	APPROVED
NP-020261	8.8	CR	Support of IPv4 and IPv6 node addresses in Core Network	CN4	REVISED TO 0310
NP-020262	8.9	DISCUSSION DOC	Discussion paper on the transition mechanism to IPv6	Lucent Technologies	NOTED
NP-020263	8.1	DISCUSSION DOC	Open Issues for CAMEL / IMS	Lucent Technologies	WITHDRAWN
NP-020264	8.1	TS for approval	3GPP TS 29.228 on IP Multimedia (IM) Subsystem Cx and Dx Interfaces;Signalling flows and message	CN4	APPROVED
NP-020265	8.1	TS for approval	3GPP TS 29.229 on Cx and Dx Interfaces based on the Diameter protocol;Protocol detailsVersion 2.0.0 for	CN4	APPROVED
NP-020266	8.1	TS for approval	3GPP TS 29.329 on Sh Interface based on the Diameter protocol;Protocol detailsVersion 2.0.1 for approval	CN4	APPROVED
NP-020267	8.9	CR pack	Intra Domain Connection of RAN Nodes to multiple CN nodes	CN4	APPROVED
NP-020268	7.11	CR	CR 29.002-397r3 on Check of NAM and Requesting Node Type on receipt of SendAuthenticationInfo	CN4	APPROVED
NP-020269	9.9	WID	Work item description: Interworking of CS user plane between 3GPP and external PLMN/PSTN/ISDN	CN4	APPROVED
NP-020270	7.4	CR	Indication of support of LCS via the PS domain in lu-mode	Siemens	REVISED TO 0300
NP-020271	7.4	CR	Indication of support of LCS via the PS domain in lu-mode	Siemens	REVISED TO 0316
NP-020272	6.4.1	REPORT	Status report from CN4	CN4 chairman	NOTED
NP-020273	8.8	CR	Addition of missing code point for 8-PSK Half Rate AMR	Ericsson LM	REVISED TO 0292
NP-020274	4.4	Correspondance	An Open Letter to the Chairmen of 3GPP & 3GPP2	OHG	NOTED
NP-020275	4.4	Correspondance	An Open Letter to the Chairmen of 3GPP & 3GPP2	Vendors	NOTED
NP-020276	8.1	CR	Clarification of GPRS aspects	Ericsson	WITHDRAWN
NP-020277	8.1	TS for approval	3GPP TS 29.328 on IP Multimedia (IM) Subsystem Sh Interface;Signalling flows and message contentsVersion	CN4	APPROVED
NP-020278	6.1.1	INFO	CN1 IMS open items list	CN1 Chairman	NOTED
NP-020279	11	[CR]	CR 010 to 21.101: "Correction to list of specs"	MCC, JMM	NOTED
NP-020280	11	[CR]	CR 007 to 21.102: "Correction to list of specs"	MCC, JMM	NOTED
NP-020281	11	TR	21.103 v2.0.0	MCC, JMM	NOTED
NP-020282	11	[CR]	CR 006 to 01.01: "GSM Release 1999 specifications."	MCC, JMM	NOTED
NP-020283	11	[CR]	CR 005 to 41.102: "GSM Release 4 Specifications"	MCC, JMM	NOTED

TDoc #	Agenda	Type	Tdoc Title	Source	Status
NP-020284	11	TR	41.103 v2.0.0	MCC, JMM	NOTED
NP-020285	11	LIST	Specs status list prior to TSGs#16	MCC, JMM	NOTED
NP-020286	11	LIST	List of specs / releases	MCC, JMM	NOTED
NP-020287	6.6	DISCUSSION DOC	Q.1741.2 VERSION 3.0 OUTPUT FROM THE SSG MEETING AT OTTAWA.	ITU-T	NOTED
NP-020288	8.1	CR	Adding security parameters to the call flows	Nokia et al.	APPROVED
NP-020289	7.4	CR	Indication of support of LCS via the PS domain in lu-mode	Siemens	REVISED TO 0301
NP-020290	10.1	DISCUSSION DOC	Organisation of work in TSG-CN after Release 5	CN vice-chairman	NOTED
NP-020291	6.6	REPORT	ITU-T Ad Hoc report	Ad hoc coord.	WITHDRAWN
NP-020292	8.8	CR	Addition of missing code point for 8-PSK Half Rate AMR	Ericsson LM	REVISED TO 0311
NP-020293	10.5	CALENDAR	3GPP2 meeting schedule	3GPP2	NOTED
NP-020294	6.1.1	REPORT	Status Report for TSG CN WG1	CN1 Chair	NOTED
NP-020295	7.3	CR Pack	CR Pack on TEI [GPRS] Pack 1	CN3	APPROVED
NP-020296	8.1	CR	CR to 24.228 on SS#1c update	Nokia, Siemens	REVISED TO 0309
NP-020297	8.1	CR	CR to 24.228 on MO#1b and MT#1b update	Nokia, Siemens	APPROVED
NP-020298	10.5	CALENDAR	3GPP meeting schedule for 2003	MCC	REVISED TO 0318
NP-020299	4.4	LS OUT	LS to SA on 3GPP-3GPP2 Harmonisation		REVISED TO 0302
NP-020300	7.4	CR	Indication of support of LCS via the PS domain in lu-mode	Siemens	APPROVED
NP-020301	7.4	CR	Indication of support of LCS via the PS domain in lu-mode	Siemens	APPROVED
NP-020302	4.4	LS OUT	LS to SA on 3GPP-3GPP2 Harmonisation		REVISED TO 0304
NP-020303	4.4	REPORT	PCG Draft report		NOTED
NP-020304	4.4	LS OUT	LS to SA on 3GPP-3GPP2 Harmonisation		APPROVED
NP-020305	8.1	WID	Work Item Description for the Support of CAMEL by the IMS	CN2	APPROVED
NP-020306	8.4	DISCUSSION DOC	Open issues for TS 29.208	Lucent	NOTED
NP-020307	8.4	DISCUSSION DOC	Open issues for TS 29.207	Lucent	NOTED
NP-020308	4.4	LS OUT	LS on coordination of SDO input to ITU-T Q-1741.2	ITU-T coordination	REVISED TO 0322
NP-020309	8.1	CR	CR to 24.228 on SS#1c update	Nokia, Siemens	APPROVED
NP-020310	8.8	CR	Support of IPv4 and IPv6 node addresses in Core Network	CN4	APPROVED
NP-020311	8.8	CR	Addition of missing code point for 8-PSK Half Rate AMR	Ericsson LM	APPROVED
NP-020312	8.1	CR	CRs on Asserted Identity	Lucent technologies	APPROVED

TDoc #	Agenda	Type	Tdoc Title	Source	Status
NP-020313	10.4	CR	Proposed CR cover sheet	MCC	ENDORSED
NP-020314	8.1	CR	CR 24.229 on "update and manyfoks RFC number"	Lucent technologies	APPROVED
NP-020315	8.1	CR	CR 24.229 on "Media-Authorization header corrections"	Lucent technologies	APPROVED
NP-020316	8.1	CR	MO, S-S, MT#1a reference flow update	Nokia, Ericsson,	APPROVED
NP-020317	8.1	CR	Content of FROM/TO headers 24.228 CR 043R1	Nokia, Ericsson,	APPROVED
NP-020318	10.5	CALENDAR	3GPP meeting schedule for 2003	MCC	NOTED
NP-020319	12	WORK PLAN	3GPP Work Plan [Slide Presentation]	MCC	NOTED
NP-020320	9.1	WID	Revised WID on interworking between IMS and CS [N3-020521]	CN3	APPROVED
NP-020321	12	WORK PLAN	3GPP Work Plan [Slide Presentation]	MCC	REVISED to 0321
NP-020322	4.4	LS OUT	LS on coordination of SDO input to ITU-T Q-1741.2	ITU-T coordination	APPROVED
NP-020323	9.8	WID	Support of the Multimedia Broadcast Multicast Service (MBMS) in CN protocols.	CN1	APPROVED

ANNEX C. TSG CN meeting #16 Participants List

1	Mr.	Peter	Adams	peter.m.adams@bt.com	BT Group Plc	3GPPETSI
2	Mr.	Andrew	Allen	aallen@dynamicsoft.com	dynamicsoft Inc.	3GPP
3	Mr.	Niels	Andersen	npa001@email.mot.com	MOTOROLA A/S	3GPP
4	Mr.	Arturo	Arreaga	aarreaga@rci.rogers.com	Rogers Wireless Inc.	3GPP
5	Mr.	Nigel	Barnes	Nigel.Barnes@motorola.com	MOTOROLA Ltd	3GPP
6	Mr.	Nigel. H	Berry	nhberry@lucent.com	Lucent Technologies N. S. UK	3GPP
7	Mrs.	Marianne	BIGNON	Marianne.Bignon@alcatel.fr	ALCATEL S.A.	3GPP
8	Mr.	Olavi	Blomberg	olavi.blomberg@sonera.com	SONERA Corporation	3GPP
9	Mr.	David	Boswarthick	david.boswarthick@etsi.fr	ETSI Secretariat	3GPPORGETSI
10	Mr.	Richard	Brook	richardbrook39@aol.com	SAMSUNG Electronics	3GPP
11	Dr.	Jonathan	Castro	jonathan.castro@orange.ch	ORANGE PCS LTD	3GPP
12	Mr.	Pascal	Correc	pascal.correc@cegetel.fr	CEGETEL	3GPP
13	Mr.	Spencer	Dawkins	sdawkins@cynetanetworks.com	Cyneta Networks	3GPPGUEST
14	Mr.	Harald	Dettner	harald.dettner@icn.siemens	SIEMENS AG	3GPP
15	Mr.	Ian	Doig	ian.doig@motorola.com	MOTOROLA S.A.	3GPP
16	Mr.	Keith	Drage	drage@lucent.com	Lucent Technologies N. S. UK	3GPP
17	Mr.	Régis	Dubois	regis.dubois@rd.francetelecom.fr	ORANGE FRANCE	3GPP
18	Mr.	Ed	Ehrlich	ed.ehrlich@nokia.com	Nokia Telecommunications Inc.	3GPP
19	Mr.	Jan	Ellsberger	jan.ellsberger@era.ericsson	ERICSSON L.M.	3GPP
20	Mr.	Wolfgang	Fleischer	wfleischer@megisto.com	Megisto Systems Inc.	3GPP
21	Mr.	Stephen	Hayes	stephen.hayes@ericsson.com	Ericsson Inc.	3GPP
22	Mr.	Ludwig	Hiebinger	ludwig.hiebinger@icn.siemens	SIEMENS AG	3GPP
23	Mr.	Hannu	Hietalahti	hannu.hietalahti@nokia.com	NOKIA Corporation	3GPP
24	Mr.	Tomas	Holmström	tomas.holmstrom@emp.eri	Nippon Ericsson K.K.	3GPP
25	Mr.	Andrew	Howell	andrew.howell@motorola.com	MOTOROLA GmbH	3GPP
26	Mr.	Yun Chao	Hu	yun-chao.hu@era.ericsson	ERICSSON L.M.	3GPP
27	Mrs.	Andrijana	Jurisc	andrijana.jurisc@etsi.fr	ETSI Secretariat	3GPP
28	Ms.	Susanna	Kallio	susanna.kallio@nokia.com	NOKIA Corporation	3GPP
29	Mr.	Mikko	Kanerva	mikko.j.kanerva@nokia.com	NOKIA Corporation	3GPP
30	Ms.	Betsy	Kidwell	ekidwell@lucent.com	Lucent Technologies	3GPP ETSI
31	Mr.	Norbert	Klehn	norbert.klehn@icn.siemens	SIEMENS AG	3GPP
32	Mr.	Kenya	Kusunose	kenya@nw.yrp.nttdocomo.com	NTT DoCoMo Inc.	3GPP
33	Mr.	Kimmo	Kymalainen	kimmo.kymalainen@etsi.fr	ETSI Secretariat	3GPP
34	Mr.	ANDERS	LIDMAN	anders.lidman@era.ericsson	ERICSSON L.M.	3GPP
35	Mr.	Edgar	Lycksell	Edgar.A.Lycksell@telia.se	TELIA AB	3GPP
36	Dr.	Hashem	Madadi	hmadadi@attglobal.net	Hutchison 3G UK Limited	3GPP
37	Ms.	Daniela	Makovec	daniela.makovec@maxmob	T-Mobile AUSTRIA	3GPP
38	Mr.	Steve	Mecrow	steve.mecrow@o2.com	mmO2 plc	3GPP
39	Dr.	Ard-Jan	Moerdijk	Ard.Jan.Moerdijk@eln.ericsson	ERICSSON L.M.	3GPP
40	Mr.	Hiroshi	Nakamura	naka@docomo.fr	NTT DoCoMo Inc.	3GPP
41	Mr.	Takahiro	Nobukiyo	t-nobukiyo@ax.jp.nec.com	TTC	3GPP
42	Mr.	Akishige	Noda	aki.noda@jp.fujitsu.com	Fujitsu Limited	3GPP
43	Mr.	Keijo	Palviainen	keijo.palviainen@nokia.com	NOKIA Corporation	3GPP
44	Mr.	Ian David	Park	ian.park@vf.vodafone.co.uk	VODAFONE LTD	3GPP
45	Mr.	Enrico	Scarrone	enrico.scarrone@cse.it	TELECOM ITALIA S.p.A.	3GPP
46	Dr.	Gary	Schlanger	gschlanger@comcast.net	AT&T Wireless Services, Inc.	3GPP
47	Mr.	Peter	Schmitt	peter.schmitt@icn.siemens	SIEMENS AG	3GPP
48	Mr.	Iain	Sharp	isharp@nortelnetworks.com	NORTEL NETWORKS	3GPP
49	Mr.	Hugh	Shieh	hugh.shieh@attws.com	AT&T Wireless Services, Inc.	3GPP
50	Mr.	Jerry	Shih	jerry_shih@commworks.com	CommWorks Corporation	3GPP
51	Mr.	Jonne	Soininen	jonne.soininen@nokia.com	Nokia Telecommunications Inc.	3GPP
52	Mr.	Sajid	SOORMALLY	sajid.soormally@alcatel.fr	ALCATEL S.A.	3GPP
53	Mr.	Toshiyuki	Tamura	tamurato@aj.jp.nec.com	NEC Corporation	3GPP
54	Mr.	Kunihiko	Taya	taya@bk.jp.nec.com	NEC Corporation	3GPP
56	Mr.	Jose	Ubeda	ubeda_ja@tsm.es	TELEFONICA de España S.A.	3GPP
57	Mr.	Peter	Wild	peter.wild@vodafone.de	Vodafone D2 GmbH	3GPP
58	Ms.	Emmanuel	Wurffel	emmanuelle.wurffel@etsi.fr	ETSI Secretariat	3GPP
59	Mr.	Daisuke	Yokota	yokota@lucent.com	Lucent Technologies Japan Ltd.	3GPP

History

Document History	
7 th June 2002	DRAFT v0.3.0 send to TSG_CN Officials for comments
12 th June 2002	DRAFT v1.0.0 Presented to TSG-SA#16 (SP-020368)
12 th June 2002	<p>DRAFT v1.0.1 dispatched to the TSG-CN mail exploder for comments.</p> <p>Comments to be addressed to:</p> <p>Mr. David Boswarthick, 3GPP TSG CN MCC Support MCC - ETSI Secrétariat Tel :+33 (0)4 92 94 42 78 E-mail: david.boswarthick@ETSI.fr</p> <p>A deadline of 2 weeks was given to the CN delegates for e-mail comments on the draft report.</p> <p>E-mail comments back by 30th June 2002</p>
Sept. 2002	<i>Final v2.0.0 approved at TSG#17 Meeting in Biarritz – Made version 3.0.0 and placed to server as the official meeting report.</i>