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Third Generation Partnership Project

DRAFT MEETING REPORT v2.0.0

3GPP TSG-CN#23

Phoenix, USA 10-12 March, 2004

Hosted by:

NA Friends of 3GPP

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CN Chairman's Executive Summary

CN agreed the following positions

- **IMS Messaging, Group Management, and Presence Overlap with OMA:** CN endorsed the CN1 position in NP-040012 as a CN position This specifies that CN will continue to work on the IMS messaging, presence, group management scheduled for Release 6 and it is unknown what will happen after Release 6.
- **H.323 over GPRS:** CN endorsed the CN1 position in NP-040017 as a CN position H.323 may be supported transparently over GPRS. No work is currently envisioned to integrate H.323 with GPRS to provide an additional IP multimedia solution. Any changes to GPRS must be done in 3GPP specifications.
- **TISPAN collaboration on IMS for NGN:** NP-040151 CN welcomes further work with TISPAN on NGN and is willing to consider NGN motivated enhancements to IMS (via the normal work item process). 3GPP is willing to participate in a workshop on NGN with TISPAN.
- **Liberty Alliance Specification reuse for GUP:** NP-040143 3GPP takes a working assumption that GUP CN4 work will reference the Liberty Alliance specifications. A collaboration agreement is needed to allow 3GPP companies to actively participate in the relevant LAP work, have access to relevant LAP documents, and address IPR incompatibilities between the organizations.

There was considerable discussion of the use of RAT in PLMN. A CN working assumption was agreed that RAT was to be used in the PLMN background scan. This position is documented in a LS to SA (NP-040152). An analysis of the implications of this assumption and additional work that might be needed in other WGs is included in NP-040129. To allow time for these implications to be considered, no CRs were approved at this plenary. The goal is to approve CRs clarifying the working assumption at the CN#24. Should it still not be possible to get agreement in CN1 on a single set of CRs, then alternative CRs will be voted on at CN#24.

It was agreed that CN4 will coordinate the various Diameter codes for 3GPP. This will be documented in a separate specification.

CN4 was given guidance to provide CRs related to routing of emergency calls based on geographic location for R99 and later since this is a regulatory matter. These CRs are expected at CN#24. If this requires revising the Rel 6 solution, then this is acceptable.

The following new or updated WIDs were agreed:

- Network sharing (New): Target date is June 2004 (NP-040036)
- Call Trace (New): Current target is Dec 2004 due to IMS work required (IETF dependency). This could be reduced to June 2004 if IMS work excluded (NP-040146)
- OSA (Revised): Updated to reflect stable contents after winnowing by SA1
- IMS2 (Revised): Added interworking with non-3GPP SIP/SDP networks (including Ipv4 interworking). Dates slipped to September (NP-040034)

Work on full CAMEL4 prepay support for SCUDIF was completed.

The working groups are encouraged to pay greater diligence to the cover sheets as there were many cases in which the work item, clauses affected, or consequences if not accepted were incorrect or inadequate.

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1 Opening of the meeting

Stephen Hayes of Ericsson welcomed the delegates to Phoenix on behalf of the hosts.

The meeting was chaired by Mr. Stephen Hayes, (Chair, Ericsson). Additional support was provided by Mr. Iain Sharp (Vice-Chair, Nortel), Mr. Kunihiko Taya (Vice-Chair, NEC), and Mr. David Boswarthick (CN Secretary, MCC).

2 Approval of the agenda

NP-040001	Draft agenda for	CN #23 meeting.	MCC. APPROVED.
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NP-040002 Allocation of documents to agenda items (start of day 1), CN vice-chairman. NOTED.

NP-040003 Allocation of documents to agenda items (end of day 1), CN vice-chairman. NOTED.

NP-040004 Allocation of documents to agenda items (end of day 2), CN vice-chairman. NOTED.

NP-040005 Allocation of documents to agenda items (end of day 3), CN vice-chairman. NOTED.

3 IPR declarations

Reminder for IPR declaration

The chairman made the following call for IPRs, and asked ETSI members to check the latest version of ETSI's policy available on the web server:

The attention of the members of this Technical Specification Group is drawn to 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 members take note that they are hereby 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 the Technical Specification Group.
- to notify the Director-General, or the 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 (e.g. see the ETSI IPR forms http://webapp.etsi.org/lpr/).

4 Meeting Reports

4.1 Report from CN#22 meeting

NP-040007 Draft report from CN#22 meeting, MCC.

Discussion: Motorola had concerns with the change from "CN5 being required to present changes to CN#23" to

"CN5 will produce CRs to a future meeting". CN5 chair argued that that CN5 is contribution driven

and could not commit to produce any CRs to CN#23...

In the future - MCC will include two versions of the meeting report in the zip, one with and

one without revision marks.

Status: APPROVED.

4.2 Reports from other groups

No Input to this agenda item.

4.3 IETF coordination report

NP-040107 IETF coordination report, CN Chair.
Content: Good progress on several critical items:

- Diameter Credit Control now in WGLC
- Sipping 3pcc draft (long dangling Rel 5 dependency) finally approved by IESG

Most protocol requirements documents fairly stable and protocol work proceeding. Total Release 6 dependencies now at 89 (increase of 7 since last report).

Highest risk areas are:

- AAA (Diameter Multimedia Application)
- EAP (WLAN Network Discovery and Selection)
- SIMPLE/SIP/SIPPING/XCON (Filtering, Conference Control, Presence Publication, Whispering, Emergency Calls)

Most IETF drafts on target for August 2004 timeline.

IETF investigating changes to their working procedures to improve efficiency.

IANA allocations likely to be a problem in the future. RFC publication also likely to be slow.

Discussion: Lucent commented that the XCAP is mentioned as a short term solution, but it is possible that

XCAP becomes the permanent solution should it be found to fulfil all the requirements.

An updated version of the IETF report will be presented to SA#23 meeting.

Status: NOTED.

4.4 OMA Co ordination Report

No Input to this agenda item.

5 Incoming liaisons

LSs moved to other sections:

NP-040014 -> 9.4 NP-040016 -> 6.1.2 NP-040105 -> 9.18

NP-040072 LS on IMS messaging, Group management and Presence work overlap between 3GPP and

OMA [S1-040253], SA1.

Content: SA1 had a joint meeting with OMA REQ and the joint meeting identified that there is overlapping

work on Presence, IMS Messaging, and Group Management between OMA and 3GPP. SA1 expressed concern about overlapping work leading. SA1 believes that 3GPP needs to consider bout to consider work with OMA on those work items as soon as possible.

how to coordinate work with OMA on these work items as soon as possible.

SA1 invites SA2, SA3, and CN1 to study and make proposals on how the work on Presence, IMS Messaging and Group management could be split between the two organisations from release 7

onwards.

Status: NOTED.

NP-040012 Re. LS on IMS messaging, Group management and Presence work overlap between 3GPP

and OMA [N1-040469], CN1.

Currently CN1 is working on Group Management and IMS messaging as part of the IMS2 work item, and Presence as the PRESNC work item. Both these work items are envisaged to complete within the release 6 time frames and fulfil all the stage 1 requirements within 3GPP TS 22.141, 3GPP TS 22.340 and 3GPP TS 22.250. As this work is well in progress, and involves significant dialog between 3GPP and IETF participants, CN1 do not envisage any transfer of this work elsewhere. It is worth noting that the 3GPP specifications for Presence in an IMS Application Server are substantially a packaging, by use of normative references, of IETF SIMPLE specifications. A similar case is envisaged for Group Management and IMS Messaging.

Group Management is currently required for Presence, Conferencing, and Chat servers. These 3 cases are being considered separately in IETF. It is possible that they will all come to decision on a single protocol called XCAP, but this has yet to be achieved.

There will obviously be work that will continue beyond the lifetime of release 6 on the maintenance of the specifications, in accordance with 3GPP rules for correction to existing releases.

As yet there are no requirements for any Group Management work, IMS Messaging work and Presence work beyond that currently included in the work items, and therefore no plans for such work. Any partition of future work on Group Management, IMS Messaging and Presence must therefore be accompanied by an exercise in the identification of that future work that needs to be done in the timeframe of release 7. At that point it will then be appropriate to decide which group performs that work.

CN1 asks SA and CN groups to make any decision on the partitioning of work between 3GPP and OMA based on an understanding of what work is involved in release 7.

Discussion: CN Plenary endorses the content of the CN1 LS, and the CN Chair will mention this when it is

presented to SA#23.

Status: NOTED.

NP-040019 Re. LS on IMS messaging, Group management and Presence work overlap between 3GPP and OMA [S2-041050], SA2.

Content: SA2 work related to Presence, IMS Messaging and Group management are based on 3GPP SA1 requirements that are part of Release 6 work in 3GPP.

SA2 believes that the Release 6 work for these features shall be completed in 3GPP. The IMS enhancements for Presence, messaging and group management are integral parts of the IMS architecture (e.g. the Ut reference point), and many of the architectural requirements are motivated by the restrictions imposed by the use of a cellular network.

SA2 understanding is that specifications 23.228 and 23.141 will remain within 3GPP. From a technical perspective, there seems to be very limited overlap with OMA work so far.

SA2 believes that these specifications should be taken into account as building blocks for IMS service enablers' development as well as any development of additional enablers of Presence, IMS Messaging and Group Management work in OMA.

Status: NOTED.

NP-040071

Re. LS on IMS messaging, Group management and Presence work overlap between 3GPP and OMA [S3-040185], SA3.

Content:

SA3 provides a preliminary response, although is considers further discussion and information on the affected work items is required.

Currently, SA3 sees the following guiding principles regarding a work split between SA3 and OMA:

- · Specifications already being worked on by SA3 in Release 6 should be completed by SA3. This concerns in particular TS 33.203 (IMS security) and TS 33.141 (presence security);
- · SA3 should provide the security for features and reference points specified in other 3GPP groups;
- · For features and reference points whose non-security aspects are specified by OMA, the security should also be specified by OMA. In case of overlapping features, the security mechanism provided by SA3 may be re-used by OMA.
- · SA3 expects to continue to be responsible for the specifications relating to the Generic Authentication Architecture (GAA) that enables the services such as Presence. These are:
- o TR 33.919 GAA System Description
- o TS 33.220 GAA Generic Bootstrapping Architecture
- o TS 33.221 GAA Support for Subscriber Certificates
- o TS 33.222 GAA Access to Network Application Functions using HTTPS
- · SA3 envisages that the GAA may be usefully applied to secure features and reference points specified by OMA, currently or in the future. For such cases, SA3 sees the need for close cooperation between OMA SEC and 3GPP SA3. A work split should be decided on a case-by-case basis. Examples may include the security for the Ua and Ut reference points, and enhanced MMS security.
- · SA3 would like to point out that a particular area in which the input from OMA SEC is required, is the profiling of TLS.

Discussion: Lucent stressed that Ut reference point is application based, i.e. can be used for Presence, and IMS conferencing and it is possible that OMA define new Ut protocols to service a new application over the Ut. Therefore OMA is free to develop new applications using the Ut interface. However. security of the Ut interface is in the 3GPP domain under the control of SA3.

Status: NOTED.

NP-040013

LS on CAMEL prepay: IP version of the GGSN address [N2-040171], CN2.

Content:

CAMEL control of GPRS has a requirement to provide a mechanism by means of which operators can correlate a CAMEL service CDR that is produced in the gsmSCF, with the S-CDRs that is produced in the SGSN. This CDR correlation applies per PDP Context. The generation of a CAMEL service CDR is an operator's option.

CN2 kindly asks SA5 SWG B to answer the questions raised in the LS. If the IP version in the S-CDR is not yet defined, then CN2 encourages SA5 SWG B to clarify this in the charging specifications.

Discussion: CN2 awaits a response from SA5.

Status: NOTED.

NP-040015

LS on Routing of Emergency Calls based on Geographical Coordinates [N4-040354], CN4.

Content:

SA2 has indicated to CN4 that changes had been made to reflect the R6 changes for Routing of Emergency Calls based on Geographical Co-ordinates back into stage 2 documentation for R99, R4 and R5, in line with the decision taken at SA plenary #22.

CN4 have been requested to make changes to reflect the R6 changes to 29.002 back into R99, R4 and R5 versions of that specification. CRs to do this were presented at CN4 #22, but could not be

approved because of problems with compatibility in the protocol design brought about by the prior inclusion of the R6 changes. This means that implementation of changes to R99, R4 and R5 would result in particularly poor protocol design (involving the addition of a number of dummy parameters), or would require significant change to R6 29.002 (moving the flag to indicate allocation of NA-ESRK by LCZTF to be included in the PCS extension container), or both. Regardless of which of these options had been selected, CN4 did not have sufficient time to prepare these changes in time for the #23 plenary meetings where the stage 2 changes would be approved.

Discussion: CN V. Chair added that is a requirement for US operators in order to meet US regulatory requirements, and this is needed rapidly.

> CN4 urgently need guidance from CN and SA to be informed that this a real requirement to be taken all the way back to R99, which involves a number of technical problems.

The CN Chair added that is a definite requirement and is most important for the earlier releases. It is important to have a clean solution for R99 and later.

CN plenary guidance is that support is required from Rel 99, even if this requires changes to the previously assumed Rel 6 solution. CN4 is expected to provide CRs to the next plenary.

NOTED. Status:

NP-040017 Technical Report on Mobility between H.323 Multimedia Systems and GPRS/IMT2000 Networks [N1-040471], CN1.

Content: CN1 suggest the following comments to the liaison statement from ITU-T SG16.

> As these comments are of a general nature, rather than of a specific technical nature, 3GPP WG CN1 considered that it was appropriate that these comments were reviewed and forwarded to ITU-T SG16 by the 3GPP plenaries, rather than being sent by 3GPP WG CN1 direct to ITU-T SG16.

GPRS provides a generally applicable mechanism of transferring IP packets between two UE, or between an UE and some centralized server. As such it can be generally applicable to the transport of any protocol that can be supported using IP, including H.323 protocols.

Although 3GPP specifies the IM CN subsystem for the support of SIP protocols carried over GPRS, 3GPP does not preclude the transport of SIP over GPRS to other SIP servers not using the IM CN subsystem. In the same manner it does not preclude the transport of H.323 protocols over GPRS to H.323 servers.

However, while the specifications for GPRS support of the transport of IP multimedia to the IM CN subsystem have been extensively checked and validated, transport of SIP to other servers using GPRS has not been likewise treated by 3GPP. Similarly 3GPP do not envisage conducting any such exercise for H.323 protocols. 3GPP would also not envisage making any specific changes to GPRS to cover these applications, although would obviously consider changes to GPRS that were considered to be generally useful enhancements, or flaws in the protocol. Note that GPRS has been specified since Release 97, and any enhancements would only be considered in Release 7 (equipment implementing these enhancements would therefore coexist in the field with six other GPRS supporting releases which did not support such enhancements). 3GPP does consider all proposals that meet its contribution rules.

It should also be noted that 3GPP is the appropriate point for specifying requirements on GPRS equipment. This does not preclude the specification of additional functionality which might be incorporated in GPRS equipment outside of 3GPP, however this additional functionality must not change the GPRS functionality as specified within 3GPP.

CN1 asks CN and SA group to consider the above text, and send an appropriate response to ITU-T SG 16.

Discussion: CN V. Chair stated that is difficult for Plenary to have technical on such a topic, but he added that if companies within 3GPP support this work then the usual way for work to be done within 3GPP is to create a work item.

> Simply sending a LS (although appreciated) is not enough to stimulate the start of work in 3GPP. A work item would be needed. It is necessary that there be enough supporting companied within 3GPP to support this work item.

CN position is that H.323 is welcomed to use GPRS as a transparent bearer but with no modification to GPRS.

The final response to the ITU-T LS will be generated by TSG_SA. The CN1 LS is endorsed by TSG_CN and when it is presented in SA#23 The CN Chair will also verbally report the requirement for a WID for this work.

Status: NOTED.

NP-040073 Re. LS on Technical Report on Mobility between H.323 Multimedia Systems and GPRS/IMT2000 Networks [S2-041054], SA2.

Content: SA2 have also received the LS from the ITU-T. SA2 considered that it was appropriate that their comments were reviewed and forwarded to ITU-T SG16 by the 3GPP plenaries.

- Packet-based services that are not being standardized within 3GPP are envisioned to use GPRS in a transparent manner. In fact, vast majority of the packet-based services that are being standardized in 3GPP also use GPRS in a transparent manner. In this sense, H.323-based services shall also use GPRS as a transparent packet bearer, and hence will not impact GPRS specifications in any way.
- 3GPP Release-6 is planned to include additional capabilities for GPRS that are thought to be useful for many packet-based services. These capabilities, which may also be useful for H.323-based services, are: IP-flow-based bearer level charging (see 3GPP TS 23.125), Service-based policy control evolution (see 3GPP TS 23.207).
- 3GPP has specified SIP-based multimedia system, also known as IP Multimedia Subsystem (IMS), in order to support multimedia services over a packet bearer. Hence, 3GPP already has a standardized system to cover the services that may also be supported by an H.323-based system.

SA2 ask TSG-SA to take the above points into account when generating a consolidated reply to the LS received from ITU-T.

Status: NOTED.

NP-040074 LS on latest version of 23.241 and proposed work assignments [T2-040100], T2.

Content: This LS conveys the latest version of TS23.241, 3GPP Generic User Profile Stage 2 Data Description Method.

TS23.241 version 1.0.0 was presented to TSG-T#22 December 2003 for information. T2 have now completed the TS23.241 to the level required for submission to TSG-T#23 March 2004 for approval.

- 1. T2 would like to propose to CN4 that their work on TS29.240 be based on TS23.241, and TS23.241 be referenced in TS29.240.
- 2. T2 would like to propose to CN4 that further work in the area of Common Definitions (Properties) Schemas be carried out in CN4 in TS29.240.
- 3. T2 would like to propose to CN4 that Templates for GUP (Profile) Component Schemas are already well-developed in TS23.241, and therefore TS23.241 be the TS for all further work in this area.
- 4. T2 is of the opinion that alignment between TS23.241 and TS29.240 is still an open item. T2 further proposes that this topic, and work coordination, be a topic for the Joint Meeting between T2SWG2 and CN4 confirmed for April 21 co-located with the T2#25 Meeting listed below.

T2 requests CN4 group to consider and respond to the above 4 proposals. T2 proposes that these be discussed in the Joint meeting CN4-T2SWG2 April 21st.

Discussion: Lucent had concerns with T2 taking control of the Schemas definition, and this may be of concern

to CN4. This will be discussed at length in the joint meeting.

Status: NOTED.

NP-040018 LS on SG 11 on Signalling Requirements for IP-QoS [LS05-16], ITU-T.

Content: Continuing dialogue between SG16 and SG11 on QoS classes. SA2 are following this and CN are

only in cc'd on this.

Discussion: CN believes that SA1 and SA2 should deal with this. CN3 has also seen the LS and agrees that

the SA groups should deal with this first.

Status: NOTED.

NP-040117 Request for close cooperation on future NGN standardisation, ETSI TISPAN.

TISPAN NGN thank 3GPP SA for their liaison statement and we agree that close technical Content:

cooperation is required on future NGN standardisation.

TISPAN_NGN has reached consensus on a working method that includes the endorsement with possible modification of the 3GPP specifications, which comprise the IP Multimedia Subsystem (IMS) to support real-time conversational services.

TISPAN_NGN believe that much is to be gained by referencing a common set of IMS specifications, while noting that the complexity of such cooperation should not be underestimated.

TISPAN_NGN proposes to stimulate cross meeting attendance and requests a combined workshop with the relevant SA and CN workgroups in Summer 2004, in Europe.

In response to your 'important questions' the initial TISPAN response follows:

How to align our endorsement with the IMS evolution? The simplest mechanism is targeting a single release and repeating the process for each following release. TISPAN_NGN will track the Releases of 3GPP starting, in general, with Release 6. But TISPAN would certainly welcome further discussion on this issue.

TISPAN intends to describe requirements from the fixed network perspective that we feel are not sufficiently covered in the scope of your Release 6 and discuss them with 3GPP via liaison, joint meetings or co-operation between rapporteur/editors, as appropriate.

TISPAN has favourably noted your work item on "Interoperability & Commonality between IMS using different IP-connectivity networks" in Release 6 and intends to take this work into account.

We also note the work related to conferencing, presence, instant messaging, and group services in 3GPP Release 6.

TISPAN already endorses the work on OSA APIs and continues this joint work. Other Service creation techniques are under study and intend the maximum re-use of these interfaces in the NGN context.

The following are the dates of our current schedule of meetings. We look forward to coordinating an initial joint workshop to discuss our common interests.

TISPAN NGN looks forward to close and fruitful co-operation.

Discussion: TISPAN are targeting 3GPP Rel-6 documents for the moment but may consider Rel-7 if it should become relevant.

> TISPAN are concerned with getting the work started, initially by endorsing/referencing the 3GPP Rel-6 specification with delta documents as required.

> Also ETSI board is discussing the possibility of a new partnership project for NGN involving ETSI (TISPAN), TTC, CWTS, and others. AN ETSI board decision has mandated the ETSI DG to examine the issue of NGN partnership further.

NOTED. Status:

NP-040076 3GPP Working with ETSI TISPAN, Nortel Networks.

Content:

The 3GPP IMS has been designed to provide multimedia services to users in the context of a managed, carrier operated telecommunications network. Following the Release 6 work on "Interop & Commonality between IMSs using different IP-connectivity networks" the IMS specifications are applicable to a range of access network types.

3GPP should support and encourage the convergence of cellular and wireline NGN using IMS as a key component. This will offer advantages for the whole telecommunications industry. It will also offer the following specific advantages for cellular carriers:

- · Simple and effective interworking for sessions between wireless and wireline users. This will grow the market for IMS services and encourage greater usage.
- · The ability (if they choose) to offer services over access networks that are not owned and operated by them.
- · Greater choice of IMS suppliers and more investment in IMS by vendors stimulated by the larger market offered by an aligned system.

To meet the goal of IMS convergence 3GPP needs to start a dialog with ETSI TISPAN. This will initially aim to allow information to be shared between experts in the two groups.

Throughout this discussion it should be considered that 3GPP is responsible for managing its own work programme and that 3GPP activities are contribution driven by 3GPP members. Therefore individual companies will play a key role in coordinating the two groups.

Proposal:

- 1) It is proposed that 3GPP supports in principle the concept of using IMS as a tool for NGN convergence between wireless and wireline networks.
- 2) A workshop where 3GPP and TISPAN experts can share information and discuss respective goals and working methods should be organised.
- 3) That cooperation with ETSI TISPAN should be subject to the existing 3GPP working procedures (similar to the situation with OMA).
- 4) Companies active in 3GPP and TISPAN are encourage to use internal coordination to help progress the work in a harmonised manner.

Discussion: BT supported the proposals and encouraged people to attend the workshop.

BT also mentioned that there may be NGN activities outside of ETSI TISPAN. Lucent listed ATIS, and ITU-T and TISPAN are in communications with these entities.

It was noted that there is not concrete definition of NGN to date.

CN V.chair sited the work with 3GPP2 as an example of how working with external to re-use IMS can be successful.

Requirements work is underway in TISPAN, (formerly TIPHON and SPAN), although they are not yet complete. A summer time workshop will be able to discuss the generalities, and it is not expected that it will be possible to discuss the fine details.

It was agreed to have an offline meeting to attempt to draft a proposed charter and scope for the June workshop as well as a draft LS [NP-040126] in response to the TISPAN LS [NP-040117].

To resume:

- 1) 3GPP supports the TISPAN decision to use the IMS as a component of NGN.
- 2) 3GPP supports necessary enhancements to IMS within 3GPP, carried out under the normal Work Item process.

Work items for NGN Harmonization would need to be created and approved as per the normal 3GPP process.

3GPP is favourable to the workshop, however required more clarifications such as whether this is to be an organizational or technical workshop

NOTED. Status:

NP-040126

Re. LS on 3GPP Working with ETSI TISPAN, TSG_CN

Content:

3GPP believes that it is desirable to take concrete steps to ensure a successful collaboration between ETSI TISPAN and 3GPP on use of IMS as a component of NGN.

It was agreed that 3GPP CN would support the TISPAN decision to use IMS as a component of NGN. 3GPP CN supports the necessary enhancements to IMS within 3GPP carried out under the normal 3GPP Work Item process. 3GPP work items for NGN harmonisation would need to be created and approved as per the normal 3GPP process. Note that while this liaison statement specifically mentions IMS, many of the criteria identified below could apply to the reuse of other 3GPP specifications if they prove relevant to the NGN work, and ETSI TISPAN so desires.

3GPP would be willing to participate in any workshop to discuss the NGN requirements, architecture, and timelines.

3GPP asks ETSI TISPAN to consider the following points:

3GPP understands that ETSI TISPAN will develop documents referencing 3GPP IMS specifications, possibly with modifications. 3GPP would like to minimise the number of such differences from 3GPP specifications, particularly if such enhancements and changes would be generally useful to IMS.

- ETSI TISPAN is requested to present its requirements and architectural assumptions in terms of functionality required. 3GPP will analyse which requirements are currently supportable within our release 6 plans and identify what work must be done to remedy any deficiencies. Any work not completed within release 6 may have to be deferred to later releases as part of the 3GPP release planning process.
- Work within 3GPP to address any enhancements required for NGN is expected to be driven by 3GPP member companies (many of which are also members of ETSI TISPAN). This work is subject to the standard 3GPP work item definition and approval process. 3GPP intends to address this topic expeditiously.
- 3GPP TSG CN should be the single point of contact with IETF in addressing extensions to IETF protocols.
- ETSI TISPAN is requested to give a presentation of preliminary NGN requirements. architecture, and timelines. The following is a list of suggested items to be addressed by any such workshop:
- · What is TISPAN planning to do?
- · What are TISPAN requirements?
- · What are expected TISPAN changes to IMS?
- · 3GPP reactions to these changes
- · Document structure discussions
- Work programmes

3GPP asks ETSI TISPAN to organise such a workshop in conjunction with the 3GPP CN management.

Discussion: LS will be sent to SA so that they can discuss it and formulate a response to TISPAN.

CN have not agreed to do an analysis for NGN requirements. Delete Item 2.

Bullet 4, we should specify IETF contact point for IMS related extensions in the IETF. Need to add an action on SA to check and ask SA to forward the text to TISPAN.

Status: REVISED to 0151.

B REVISED B

NP-040151 Re. LS on 3GPP Working with ETSI TISPAN, TSG_CN. APPROVED.

NP-040127

LS to 3GPP on 2G/3G subscriber distinction and roaming restriction [ireq46 089], GSMA IREG.

Content:

IREG agrees that the new subscription information "GERAN/UTRAN only" is a partial answer to the IREG need to be able to restrict 2G subscribers access to 3G networks. IREG is aware that specification work on this new feature is ongoing, and just wants to ensure that:

- This new feature will be mandatory and not optional for vendors. Indeed, if the feature is optional, all vendors may not implement it, which will considerably decrease its usefulness.
- No permanent rejection cause shall be used to reject the subscriber in case of roaming restriction related to this new parameter. For example, if a subscriber is forbidden on 3G coverage due to 2G/3G restriction, the rejection cause shall not prevent access on 2G coverage of the same operator. It shall be possible to send the rejection case #15.

On the other hand, this new feature does not resolve the following need also present in the original GSMA/IREG LS:

· It should be possible for a VPLMN to specify different roaming authorizations for his 2G and 3G coverage, even in case of combined 2G/3G network elements.

In other words, it shall be possible for the VPLMN to control in-bound roamers' access to the VPLMN's 2G and 3G networks even in the case of combined 2G/3G MSCs and SGSNs. This control shall be independent of the administrative restriction parameter provided by the HPLMN. For example, the VPLMN may wish to prevent all subscribers of a specific HPLMN from accessing its 3G network in the case where there is no 3G roaming agreement and this even if a subscriber is allowed UTRAN access according to his subscription data.

IREG asks 3GPP SA:

- · To ensure that the new "Administrative restriction feature" will be mandatory for vendors
- The specifications should be made in the way that Operators who do not want to make 2G/3G distinction do not have to change their actual implementation, i.e. the implementation of the distinction feature should be backwards compatible to the current situation with no distinction
- To confirm that that the possibility " for a VPLMN to specify different roaming authorizations for his 2G and 3G coverage, even in case of combined 2G/3G network elements " requirement will also be taken into account in 3GPP specifications.

Discussion: It was noted that rejection based upon LA or RA using rejection code #15 seemed adequate to

meet the GSMA IREG requirements. This solution does not work when the 2G and 3G LAs/RAs are not separated geographically. CN are simply cc'd on this LS and it will be handled in SA#23.

Status: NOTED.

NP-040128 LS to 3GPP 3gppnetwork.org domain management [ireg46_075], GSMA IREG.

Content: GSMA/IREG accept the 3GPP proposal to take over ownership of the domain, and proposes the following procedure for the allocation of sub-domains:

1. When a 3GPP working group identifies the need for a new domain name, it sends an LS to GSMA/IREG describing the context (service, domain's use, involved actors) and a proposal for a sub-domain name (e.g. service.mncxxx.mccyyy.3gppnetwork.org).

Please note that service labels should always be before operator-related mncxxx.mccyyy labels, as in the example above.

- 2. GSMA/IREG verifies the consistence of the proposed domain and its usage with domain's structure and interworking rules (e.g. access to Root DNS)
- 3. GSMA/IREG approves or not the proposal and informs the 3GPP, always copying 3GPP CN4.

GSMA/IREG kindly asks 3GPP CN to inform if the proposed procedure is acceptable GSMA/IREG kindly asks 3GPP to make the necessary in order to transfer the 3gppnetwork.org domain ownership to GSMA, providing all necessary information, in particular regarding the commitments and constraints related to its management taken at domain's registration.

Discussion: CN agrees to the proposed procedure. Francois Dronne of Orange is tasked by CN plenary to inform GSMA IREG of CN agreement with their procedure.

JMM of MCC reported that the transfer control from ETSI to IREG is underway, and the latest status was awaiting the signal to go ahead from IREG. JMM checked offline, and clarified that the action is now with IREG to contact IANA.

Status: NOTED.

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-040020 Status Report for TSG CN WG1, CN1 Chair.

Discussion: It was mentioned that there have been no recent contributions in SA2 for the IMS packet based

emergency calls. The work therefore is not complete in SA2.

Status: NOTED.

NP-040021 CN1#32b Meeting Report, MCC. NOTED.

NP-040022 CN1#33 Meeting Report, MCC. NOTED.

NP-040023 All LSs sent from CN1 since TSG CN#22 Meeting, MCC. NOTED.

NP-040024 All LSs sent from CN1 since TSG CN#22 Meeting, MCC. NOTED.

6.1.2 Questions for advice and decisions from CN1

NP-040016 LS on Background scan requirements [N1-040444], CN1.

Content:

CN1 has studied the issue of PLMN background scanning over several meetings without being able to decide whether the UE in background scan needs to search for higher priority PLMN + RAT combination or just higher priority PLMN.

This discussion has been started as a R99 roaming issue requiring urgent solution. Due to already existing different R99 ME implementations, it was seen difficult to propose changes to the frozen specifications.

Two alternative CRs (attached to this LS), have been technically reviewed in CN1 but neither of them could be agreed due to disagreement on what is the service requirement in background scan.

Both CRs are on Rel-6 but there is no technical reason why either of the CRs could not be supported by UEs based on earlier versions of the protocol, starting from R99 onwards.

Both proposals fulfil the requirement that has been added in 22.011 CR 054 in tdoc S1-040200.

Due to this, CN1 asks TSGN plenary help to make the decision by approving one of the two related CRs on 3GPP TS 23.122.

Status: NOTED.

NP-040098

Use of the Radio Access Technology (RAT) during background scanning, O2.

Content:

Due to lack of clarity in TS 23.122, CN1 has been discussing the use of the Radio Access Technology (RAT) during background scan procedure for PLMN selection. The discussion resulted in two different Rel-6 proposals:

- 1. To clarify that the Radio Access Technology information needs to be considered during the background scan procedure (the related CR is in Tdoc N1-040478).
- 2. To delete 'completely' from the 3GPP specifications the use of RAT for PLMN selection and background scan procedures. This requires stage 1, stage 2 and stage 3 changes. Additionally, this impacts several working groups (i.e. CN1, SA1, T1, GERAN3 and perhaps T3). (the related CR is in Tdoc N1-040494).

There was no consensus in CN1 on which approach should be taken. TSGN plenary has been asked to identify the preferred mechanism for PLMN selection (Tdoc N1-040444 in Tdoc N0-040024).

The contribution gives further thoughts on why the Use of Radio Access Technology needs to be preserved.

The document concludes that TSG CN discusses and agrees the Tdoc N1-040478 (CR 069rev4 on TS23.122) which clarifies the background scan procedure

Status: NOTED.

NP-040116 Issues relating to RAT in the periodic PLMN scan, Motorola.

Content:

This document has been drafted to provide an overview of the current situation regarding the use of radio access technology (RAT) in the periodic PLMN scan and to highlight some of the areas of concern that Motorola have with regards to the current proposal.

It is understood that not all the issues raised will be of immediate concern but any changes to the 3GPP specifications must take into account all possible scenarios and situations to provide as full and complete a set of specifications as possible.

The intention is to provide a basis for discussion so that those issues that need to be resolved in the specifications can be clearly identified.

The document concludes that before any decision is taken by TSG CN there is a clear requirement that TSG SA (TSG SA WG1) define and approve the service requirements for the use of RAT in the periodic PLMN scan.

Once TSG SA has approved the service requirements, work then needs to be done to ensure that the use of RAT in the periodic PLMN scan introduces as few problems as possible into the current 'stable' specifications. Work also needs to be done to ensure that the proposed solution is as complete as possible so as to avoid a string of consequential changes to the specifications at some later stage.

The issues raised in this document are those that have been identified up to now and it is possible that other issues may come to light.

Motorola would be happy to work on resolving the issues listed above with the intention of having a complete set of changes to the 3GPP specifications agreed at the June TSG plenary meetings.

Discussion: Orange France asked if the contribution focused on background scan or more on the use of RAT. Motorola clarified that the contribution really focussed on background scan.

> Motorola stated that is we want to have this then we must check all of the procedures, and this is wider than CN only.

The Motorola document hi-lights that neither CR offers a complete solution.

CN1 is responsible for the CN part of ePLMN.

Motorola claimed that there is a contradiction between ePLMN and the use of RAT. Hence Motorola feels this needs to be looked at by SA1.

Ericsson have studies the issue and believe it works

Orange emphasized that use of RAT in the background scan is an essential requirement.

Orange and Ericsson stated that this is not a new requirement.

CR in the CN1 tdoc 078 "Clarification of the use of RAT" 2 companies objected to this CR.

CR in the CN1 tdoc 494 "Removing the RAT" - 6 companies objected to this CR.

Siemens added that they see the need for this to be taken to SA plenary to get a global view.

CN agreed to have an offline session to examine which issues relate to possible side effect as opposed to a blocking issue in the use of RAT.

The scope of the offline session was to examine what issues need to be addressed if CN goes ahead with the proposed solution. Define which issues are really blocking points as opposed to clarifications. The conclusions from that meeting was be provided in [NP-040129].

Status: NOTED.

NP-040129 Conclusions from RAT group, RAT chair.

The document outlines the interactions with some other existing 3GPP system features with the Content:

assumption that RAT is used by the UE during background scan and PLMN selection. No fundamental blocking issues to the use of RAT in background scan were found. However there are several areas where the behaviour needs to be documented and affects on non-CN specifications.

Discussion: Orange was reluctant to d re-discuss all these issues in SA Plenary.

Motorola clarified that SA will be the coordinating body in this issue. It is hoped that the discussion will not be repeated in SA.

Motorola could not agree to the related CRs being approved or conditionally approved in CN. If CN do not approve the CRs, it is necessary that CN provide clear instructions to SA to ensure there is clarity on this issue.

Lucent suggested if the discussion was now going to get extended into an extensive work covering work in multiple working groups, a Work item should be created to encompass all of the related issues. This was not seen as a good / rapid way to proceed as the hope is to get this issue resolved by the next plenary..

Motorola suggested not approving the CRs here, as this will introduce instability to the specifications. Better to get SA endorsement of the working assumption and send the CRs back to CN1.

CN agreed a working assumption that "RAT will be used in the Background Scan procedure".

It was reminded that the use or RAT is protocol related and therefore under the domain of CN. Many companies did not agree with SA being asked to endorse a CN working assumption. SA will simply asked to clarify the service requirements.

There was little support for taking these changes back to R99, and will only be considered for Rel-6.

The following process was agreed:

- 1) Decided to send an LS to SA asking the identified questions. LS in NP-040150.
- 2) Not approved the RAT CRs in this meeting, send them back to CN1
- 3) CN1 is requested to progress these CRs and if no agreement can be met then two sets of CRs will be brought to CN#24 and a vote will be held if required. The choices will be CR pack A approved if not CR pack B approved if not none approved.

Status: NOTED.

NP-040150 LS on PLMN selection and background scan, CN.

Content: LS to SA, SA1, GERAN1, RAN2, CN1 on the PLMN selection, containing the working assumption

and questions.

Discussion: Lucent had concerns with asking SA for confirmation of our working assumption. It was agreed to

delete item 1. CN chair will stress verbally that the working assumption has been agreed in

TSG CN.

There were some editorial changes required.

Status: REVISED to 0152.

B REVISED B

NP-040152 LS on PLMN selection and background scan, CN. APPROVED.

6.2 Reporting from TSG-CN WG2

6.2.1 Status report from CN2

NP-040087 CN2 Status Report to CN Plenary, CN2 chairman.

Status: NOTED.

NP-040088 CN2#32 Draft Meeting report and CN2 AdHoc meeting report, CN2. NOTED.

NP-040089 All LSs sent from CN2 since TSG CN#22 Meeting, MCC. NOTED.

6.2.2 Questions for advice and decisions from CN2

No Input to this agenda item.

6.3 **Reporting from TSG-CN WG3**

6.3.1 Status report from CN3

NP-040077 CN3 Status Report to CN Plenary, CN3 Chair.

REVISED to 0119 before presentation. Status:

B REVISED **B**

NP-0400119 CN3 Status Report to CN Plenary, CN3 Chair.

Discussion: Norbert added that he must resign as the CN3 chair due to changes in his company, Norbert will

now be the Siemens representative to CN Plenary.

There are presently no candidates for CN3 chair, and CN plenary asked if Norbert could continue

as CN3 convenor if no candidate can be found. Norbert will check with his company on this.

NOTED. Status:

NP-040078 Draft Meeting Report from CN3#31 Meeting, CN3. NOTED.

NP-040079 LSs outgoing from CN3 between CN#22 and CN#23, CN3. NOTED.

6.3.2 Questions for advice and decisions from CN3

No Input to this agenda item.

6.4 **Reporting from TSG-CN WG4**

6.4.1 Status report from CN4

NP-040041 Status report from CN4 to TSG-CN Plenary Meeting #23, CN4 chairman.

Discussion: In response to the comment in the report that scheduling of discussions for participation by other working groups worked well. Lucent commented that it had not worked well as far as the scheduling in CN1 was concerned, resulting in many last minuted changes in the CN1 agenda. This was noted, although it is a question of planning the agendas in order to avoid conflict..

> It was clarified that the Mp interface is under the responsibility of CN WGs, and the CN4 chairman's report may be a little misleading in this respect.

> Also Lucent has a concern that we continue to use the experimental result codes (DIAMETER) when we had agreed with IETF to use these to only Rel-5. Further new codes are apparently being allocated for release 6 without any work to support this with internet-drafts in IETF. However the codes are being allocated to Rel-6. Some clarification is required on this.

Comment codes 300 - 313 are not experimental codes, they are command codes, and will not expire. The agreement with IETF was to use them only in Rel-5.

CN chair proposed re-using these codes for Rel-6 (which goes against the agreement with IETF). One Rel 6 usage of Diameter is stable, a consolidated list of these codes we will be taken to the IETF for their endorsement (possibly as an RFC). Currently, it is unclear if the Rel 6 Cx, Dx, and Sh interfaces will use the SIP multimedia application. Companies are invited to bring contributions directly to CN4 for the use of SIP apps.

The liberty Alliance issue is discussed under 9.6. CN chair has discussed with officials from the Liberty Alliance about establishing a collaboration agreement. A similar agreement has been created with OMA.

A LS will be generated to the Liberty Alliance and the PCG.

BT expressed some concerns on the Liberty Alliance IPR policy, and the implications that they and other 3GPP member will have to give up IPRs for free.

CN endorsed that CN4 maintain the coordination of DIAMETER code allocation. Other 3GPP groups that need diameter command codes should send their request to CN4. The CN Chair will

report this to SA#23.

Status: NOTED.

NP-040042 CN4#22 meeting report, CN4. NOTED.

NP-040043 CN4 Output LSs after CN#22, CN4. NOTED.

6.4.2 Questions for advice and decisions from CN4

No Input to this agenda item.

6.5 Reporting from TSG-CN WG5

6.5.1 Status report from CN5

NP-040063 Chair's report from CN5 (slide presentation), CN5 Chair.

CN noted that CN5 that the CN5 aspect of the Access Independence Work Item (IMSCOOP) be

closed.

CN also asks companies for contributions to CN5 on mapping document from the Presence set of

OSA APIs to SIP.

Stephen will raise the issue of GUP to SA#23.

Motorola asked for clarification on a CR approved at CN#22 and later found to be not implemented. CN5 chair stated that inconsistencies were found when it was attempted to implement the CR. Corrections are required to the CR database. It was noted that the CR status has been marked as "REJECTED in the CR dbase and a comment added to state that non-implementable" in the CR

dbase. CN5 need to prepare a corrected CR.

Status: NOTED.

NP-040064 CN5 Output LSs after CN#22, CN5. NOTED.

NP-040065 Draft Report of CN5#25bis, CN5 Chair. NOTED.

NP-040066 Draft Report of CN5#26, CN5 Chair. NOTED.

NP-040067 Updated ToR for CN5, CN5. APPROVED.

6.5.2 Questions for advice and decisions from CN5

No Input to this agenda item.

6.6 Status ITU-T ad hoc group

NP-040106 ITU-T co-ord ad-hoc report: CN chairman. NOTED.

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

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

7.1 CAMEL Phase 2 and Phase 3

NP-040090 CRs to R99 WI CAMEL3, CN2.

Discussion: CN2 did not see this as a critical correction, but it was agreed by consensus.

Lucent asked why a Rel-6 CAT-F CR is included in a R99 CR pack. Should go to agenda item TEI-

6.

TDoc #	WI	Rel	Title	Spec	CR#	Cat	Re	STATUS
							٧	
N2-040016	CAMEL3	R99	DP Triggering without having armed the TDP	23.078	653	F		APPROVED
N2-040017	CAMEL3	Rel-4	DP Triggering without having armed the TDP	23.078	654	Α		APPROVED
N2-040018	CAMEL3	Rel-5	DP Triggering without having armed the TDP	23.078	655	Α		APPROVED
N2-040019	CAMEL3	Rel-6	DP Triggering without having armed the TDP	23.078	656	Α		APPROVED
N2-040159	CAMEL3	Rel-6	GPRS ODB reporting to CAMEL SCP	23.078	686	F	1	Revised to 131

Status: PARTIALLY APPROVED see also (0131).

7.2 Security

No Input to this agenda item.

7.3 GPRS

NP-040069 CRs to R99 on Work Item GPRS, CN4. APPROVED.

7.4 Location service enhancement [LCS1]

NP-040044 CRs to Rel-4 on Work Item Location Service Enhancement, CN4.

Discussion: Noted that a CAT F has been used in mirror CRs where the base text is significantly different

between versions. However there is no technical difference between the CRs.

Status: APPROVED.

7.5 Handover

NP-040045 CRs to R99 on Work Item Small Technical Enhancements and Improvements, CN4.

Discussion: Clause number is incorrect in cover sheet, it should be shown as 4.7.6. Needs to be updated

Status: REVISED to 0132.

B REVISED B

APPROVED.

7.6 GSM- UMTS Interworking

No Input to this agenda item.

7.7 Transcoder Free Operation [TrFO]

No Input to this agenda item.

7.8 Enable bearer independent CS architecture [CSSPLIT]

No Input to this agenda item.

7.9 Multicall

No Input to this agenda item.

7.10 OSA Enhancements [OSA1]

No Input to this agenda item.

7.11 Small Technical Enhancements & Improvements [TEI]

NP-040025 CR to R99 (with mirror CRs) on Work Item TEI towards 24.008, CN1. APPROVED.

7.12 Any Other pre-Release 5 WI

No Input to this agenda item.

8 Release 5:

NOTE - Rel 5 release is functionally FROZEN. ONLY CAT F and CAT A CRS ALLOWED

8.1 Provisioning of IP-based multimedia services [IMS]

NP-040026 CRs to Rel-5 on Work Item IMS-CCR towards 24.228, CN1.

Discussion: CR 127r1 relates to another CR from Nokia. As that CR was not approved this CR127r1 is sent

back to CN1 for further study.

Spec	CR	Rev	Phase	Subject	Cat	Version- Current	Version- New	Doc-2nd- Level	Status
24.228	127	1	Rel-5	P-Charging-Function- Addresses header	F	5.7.0	5.8.0	N1-040495	Back to CN1
24.228	128		Rel-5	Editorial modification in notation conventions	F	5.7.0	5.8.0	N1-040335	Approved

Status: PART APPROVED.

NP-040027 CRs to Rel-5 (with mirror CRs) on Work Item IMS-CCR towards 24.229,- pack 1, CN1.

APPROVED.

NP-040028 CR to Rel-5 (with mirror CR) on Work Item IMS-CCR towards 24.229, - pack 2, CN1.

Discussion: Proposal from Nokia to replace the CN1 agreed CRs. [See NP-040039 and NP-040040].

Nokia sustained it's objections to the CN1 agreed CRs.

Spec	CR	Rev	Phase	Subject	Cat	Version- Current	Version- New	Status
24.229	601	1	Rel-5	Missing statements regarding P-Charging-Function-Addresses	F	5.7.0	5.8.0	N1-040403
24.229	602	1	Rel-6	Missing statements regarding P-Charging-Function-Addresses	A	6.1.0	6.2.0	N1-040404

Status: CRs returned to the working group for further study.

NP-040039 Missing statements regarding P-Charging-Function-Addresses, Nokia.

Discussion: Orange sustained opposition to the Nokia contributions. Although the original CN1 CRs may need

some work, Orange do not agree to the Nokia proposal. Prefer to discuss this issue with a common meeting with SA5 (Sophia meeting in March). Lucent were happy with the original CN1 agreed CR.

Nokia cannot accept the CN1 agreed CR.

The disagreement is whether it is the S-CSCF or I-CSCF that is the responsible element for this

functionality.

Status: REJECTED.

NP-040040 Missing statements regarding P-Charging-Function-Addresses, Nokia.

Status: REJECTED.

NP-040029 CRs to Rel-5 (with mirror CRs) on Work Item IMS-CCR towards 24.229,- pack 3, CN1.

Discussion: CRs 607 and 608 don't show all the modified clauses. The cover sheets need to be updated.

Revised into 0134.

Spec	CR	Rev	Phase	Subject	Cat	Version- Current	Doc-2nd- Level	Status
24.229	607	2	Rel-5	Unprotected deregistration	F	5.7.0	N1-040483	Rev to 0134
24.229	608	2	Rel-6	Unprotected deregistration	А	6.1.0	N1-040482	Rev to 0134
24.229	609		Rel-5	Sending authentication challenge	F	5.7.0	N1-040330	Approved
24.229	610		Rel-6	Sending authentication challenge	А	6.1.0	N1-040331	Approved
24.229	614	1	Rel-5	Support of MESSAGE (Profile Tables)	F	5.7.0	N1-040465	Approved
24.229	615	1	Rel-6	Support of MESSAGE (Profile Tables)	А	6.1.0	N1-040466	Approved

Status: PARTIALLY APPROVED.

NP-040134 2 CRs to Rel-5 (with mirror CRs) on Work Item IMS-CCR towards 24.229, CN1. APPROVED.

NP-040046 CRs to Rel-5 on Work Item IP-based multimedia services Cx-/Dx-interface, CN4.

APPROVED.

NP-040047 CRs to Rel-5 on Work Item IP-based multimedia services Sh-interface, CN4. Discussion: Cover sheets do not have correct WI code. Needs to be corrected to IMS-CCR.

Status: REVISED to 0135

B REVISED **B**

NP-040135 CRs to Rel-5 on Work Item IP-based multimedia services Sh-interface, CN4. APPROVED

NP-040048 CRs to Rel-5 on Work Item IP-based multimedia services Cx-/Dx-interface, CN4.

WITHDRAWN.

8.2 OSA enhancements [OSA2]

No Input to this agenda item.

8.3 CAMEL Phase 4 [CAMEL4]

NP-040049 CRs to Rel-5 on Work Camel 4 CN4. APPROVED.

NP-040091 CRs to Rel-5 WI CAMEL4, CN2.

Status: REVISED BEFORE PRESENTATION to 0109

B REVISED **B**

Discussion: CR347 contains extract from ITU as an editorial comment. CR cover sheets to be corrected

incorrect clause numbers and also to remove editorial comments in the body of the CR.

Status: REVISED to 0136

B REVISED B

NP-040136 CRs to Rel-5 WI CAMEL4, CN2. APPROVED.

NP-040092 CRs to Rel-5 WI CAMEL4, CN2.

Status: REVISED BEFORE PRESENTATION to 0110

B REVISED **B**

NP-040110 CRs to Rel-5 WI CAMEL 4, CN2.

Discussion: Clause numbers on the cover pages are not correct.

Status: REVISED to 0137

B REVISED **B**

NP-040137 CRs to Rel-5 WI CAMEL 4, CN2. APPROVED

NP-040093 CRs to Rel-5 WI CAMEL4, CN2.

Status: REVISED BEFORE PRESENTATION to 0111

B REVISED **B**

Discussion: CR cover sheets to be corrected incorrect clause numbers. Also for Rel 6 CRs 682, 350, 689 the

work item is to be changed to TEI6.

Status: REVISED to 0138

B REVISED B

NP-040138 CRs to Rel-5 WI CAMEL 4, CN2. APPROVED

NP-040096 CR to Rel-5 WI CAMEL4 ,CN2. APPROVED.

8.4 Location Service Enhancements [LCS1]

NP-040050 CRs to Rel-5 on Work Item Location Services, CN4. APPROVED.

8.5 End to End QoS [E2EQoS]

NP-040080 CRs to Rel-5 on Work Item e2eQoS, CN3.

Discussion: It was clarified that the CRs 116 and 117 were agreed in CN3 unanimous consensus. Lucent

asked that 'different implementations' not be used for consequences if not approved. CN1 Chair clarified that the text should detail the actual consequences to the system or the user or operator. Criteria is frequent and serious mis-operation should detail the consequences to the system and

not simply the protocol impacts.

Status: APPROVED.

8.6 Security enhancements [SEC1]

No Input to this agenda item.

8.7 Service Change and UDI Fallback [SCUDIF]

NP-040051 CRs to Rel-5 on Work Item SCUDIF, CN4. Discussion: WI Codes should be SCUDIF and not TEI.

Status: REVISED to 0139.

B REVISED **B**

NP-040139 CRs to Rel-5 on Work Item SCUDIF, CN4.

Status: APPROVED.

NP-040081 CRs to Rel-5 on Work Item SCUDIF, CN3.

Discussion: Lucent asked if SCUDIF was a Rel-5 WI and if it was shared between CN4 and CN3. CN3 have

used the SCUDIF WI code as opposed to the TEI code, as the work is relating to SCUDIF. CN4 used TEI as the SCUDIF WI is now closed. This is incorrect and SCUDIF should have been used

for the CN4 CRs (in NP-040051).

Status: APPROVED.

8.8 Technical Enhancements and Improvements [TEI5]

NP-040030 CR to Rel-5 (with mirror CR) on Work Item TEI5 towards 24.008, CN1.

Discussion: CR is replaced by a CR in NP-040099. This CR is the one that CN1 intended to Agree CR 846r2 is

revised in NP-040099.

Spec	CR	Rev	Phase	Subject	Cat	Version- Current	Version- New	Doc-2nd- Level	Status
24.008	846	2	Rel-5	Handling of key sets	F	5.10.0	5.11.0	N1-040497	Rev to 0099
24.008	847	2	Rel-6	Handling of key sets	Α	6.3.0	6.4.0	N1-040498	Approved

Status: PART APPROVED.

NP-040099 Handling of key sets Ericsson, Siemens. APPROVED.

NP-040031 CR to Rel-5 on Work Item TEI5 (originally as TRFO-OOBTC) towards 23.009, CN1.

APPROVED.

NP-040052 CRs to Rel-5 on Work Item small Technical Enhancements and Improvements on CSSPLIT,

CN4. APPROVED.

NP-040053 CRs to Rel-5 on Work Item small Technical Enhancements and Improvements on TrFO, CN4.

APPROVED.

NP-040054 CRs to Rel-5 on Work Item small Technical Enhancements and Improvements on Handover,

CN4. APPROVED.

NP-040082 CRs to Rel-5 on Work Item TEI 5, CN3.

Discussion: Lucent commented that the "Consequences if not approved" is not adequate. Care will be taken in

the future to provide clear text for this.

Status: APPROVED.

8.9 Any other Rel-5 WI

No Input to this agenda item.

9 Release 6

9.1 IMS Phase 2 [IMS]

NP-040032 CRs to Rel-6 on Work Item IMS2 towards 24.229 and 23.218, CN1. APPROVED.

NP-040033 CRs to Rel-6 on Work Item IMS2 towards 24.229, CN1.

Discussion: The CR605r2 is replaced by a CR direct to plenary (NP-040108). Lucent had concerns about

removing Rel-5 functionality in a Rel-6 CR. Additionally for CR616r2, Lucent also had some concerns about loss of Rel-5 functionality; for this one, Lucent will most probably bring a CR to

future CN1 meeting.

Spec	CR	Rev	Phase	Subject	Cat	Version- Current	Version- New	Doc-2nd- Level	Status
24.229	605	2	Rel-6	Determination of S-CSCF role	В	6.1.0	6.2.0	N1-040464	Replaced by 0108
24.229	613		Rel-6	Reference to PDF operation	F	6.1.0	6.2.0	N1-040334	Approved
24.229	616	2	Rel-6	Introduction of PSI Routing to 24.229	В	6.1.0	6.2.0	N1-040487	Approved
24.229	617	1	Rel-6	P-CSCF Re-selection	В	6.1.0	6.2.0	N1-040463	Approved
24.229	618		Rel-6	I-CSCF does not re-select S- CSCF during re-registration	В	6.1.0	6.2.0	N1-040344	Approved
24.229	620	1	Rel-6	Handling of media authorization token due to messaging	В	6.1.0	6.2.0	N1-040430	Approved

Status: PART APPROVED.

NP-040108 Determination of S-CSCF role, Lucent Technologies. APPROVED.

NP-040034 WID on IMS Stage-3 Enhancements, CN1.

Discussion: Covers the CN1 part of the work that was previously allocated to CN3.

Status: APPROVED.

NP-040055 CRs to Rel-6 on Work Item IP-based multimedia services, CN4. APPROVED.

9.2 Support of Presence Capability [PRESNC]

NP-040056 CRs to Rel-6 on Work Item Support of Presence Capability, CN4.

Discussion: Concludes the CN4 work on PRESENCE

Status: APPROVED.

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[SRSES]

No Input to this agenda item.

9.6 Generic User Profile [GUP]

NP-040014

LS on Relationship between 3GPP and Liberty Alliance related to GUP work [N4 -040262], CN4.

Content:

Within CN4's considerations of proposals for Stage 3 work on GUP, a proposal has been made to reuse the work of the Liberty Alliance. The proposal is to reference Liberty Alliance documentation within TS 29.240 (GUP stage 3), but also to extend the work of Liberty Alliance to meet the Stage 2 GUP requirements. The proposal presented to CN4 would extend the Data Services Template work of Liberty Alliance in a way, compatible with existing Liberty Alliance specs, to include these commands, and also would include the possibility of a 'cut and paste' of parts of the Liberty Alliance documentation into an Annex of TS 29.240.

However, if there is no formal relationship between 3GPP and Liberty Alliance which would allow reproduction and/or extension of Liberty Alliance specifications, the proposal of taking the Liberty Alliance drafts into CN4 specs and/or extending them for 3GPP specific uses would not be permitted. Therefore, CN4 asks if any such relationship between 3GPP and Liberty Alliance exists, or if not whether one could be established. CN4 notes that a formal Liaison Statement relationship between 3GPP and Liberty Alliance exists.

Another question is the ability of 3GPP members to participate in and access Liberty Alliance information relevant to the use of their protocols in 3GPP.

Taking these points into consideration, CN4 would prefer the working relationship between 3GPP and Liberty Alliance to allow the following working practices;-

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

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

CN4 also notes that the adoption of Liberty Alliance specifications in CN4 documents would potentially require 3GPP member companies to operate under different IPR rules to obtain licenses to implement the GUP protocols that rely on Liberty Alliance specifications.

CN4 specifically would intend to re-use the work covered in the following Liberty Alliance specifications for GUP work;-

- · Liberty ID-WSF Data Services Template Specification v1.0-23
- Liberty ID-WSF SOAP Binding Specification v1.0-08
- · Liberty ID-WSF Discovery Service Specification v1.0-09
- · Liberty Alliance Project utility schema
- · Liberty Metadata Description and Discovery Specification v1.0-10
- · Liberty ID-WSF Security Mechanisms Specification v1.0-21

It should be noted that in some cases, these documents refer out to further Liberty Alliance specifications for some of their detail.

CN4 asks CN and SA groups to clarify the nature of the formal relationship (if any) between 3GPP and Liberty Alliance in general, and with regard to the specific concerns expressed above covering:

- 1) The use of Liberty Alliance specification text in 3GPP
- 2) Access to Liberty Alliance documents and ability to contribute to Liberty Alliance work relevant to 3GPP
- 3) IPR implications of using Liberty Alliance standards in 3GPP.

Discussion: CN Chair asked why only 4 of the 7 commands are listed in the LS. CN4 Chair replied that the list is only to give examples, and it is not intended to be an exhaustive list.

NOTED. Status:

NP-040075 3GPP Working with Liberty Alliance, Nortel Networks.

Content: The document makes the following proposals:

> CN officials, SA officials and the PCG are asked to open discussions with Liberty Alliance on the use of their specifications for 3GPP. They are mandated to achieve the following goals:

- · Access to Liberty Alliance working documents and meeting information for all 3GPP members
- · Opportunity for 3GPP members to participate in appropriate Liberty Alliance discussions that are relevant to 3GPP.
- Legal agreement to allow reproduction of extracts from Liberty Alliance specifications in 3GPP
- · Agreement from Liberty Alliance that all IPR in their specifications relevant to 3GPP will be

licensed on Reasonable and Non Discriminatory terms to all 3GPP members.

Discussion: It was clarified that GUP is a Rel-6 Work item.

Status: NOTED.

NP-040133 LS on collaboration between 3GPP and Liberty Alliance, CN Chair.

Content:

3GPP CN has identified a need to reference Liberty Alliance Specifications as part of the 3GPP Generic User Profile (GUP) work item. In particular, CN4 would like to reference LAP DST commands corresponding to the GUP Query/Modify, Subscribe/Notify, and Create/Delete commands. 3GPP realizes that some of these commands are currently works in progress within LAP. 3GPP may also need to extend the LAP DST, but will endeavour to do so within the currently defined DST extension mechanisms.

Since 3GPP has requirements on this ongoing LAP work, there is a desire within 3GPP for the 3GPP member companies to be able to influence the work affecting 3GPP. However, many member companies in 3GPP are not members of LAP and are thus unable to attend or access LAP preliminary documentation. This is a barrier for cooperation between the organizations. 3GPP requests that the PCG/OP expeditiously pursue the negotiation of a collaboration agreement with LAP which would allow:

- Participation of 3GPP member companies in LAP discussions relevant to 3GPP requirements
- Access by 3GPP member companies to LAP documents relevant to 3GPP requirements
- Clarification and resolution of any IPR issues between 3GPP (and its partners) and LAP

CN realizes that other work items within 3GPP are likely to have dependencies on LAP such as work on subscriber certificates. This agreement should therefore cover more than just the specific needs of GUP.

TSG CN asks TSG SA to comment/Update this LS and forward to the PCG/OP.

Discussion: Lucent stressed that CN must not over-simplify things by focusing on certain DST commands. We have to identify all of the documents we need to reference, and this is not clear from the LS.

> Suggested using the same model as Diameter and the IETF. Lucent warned that this is not exactly the same situation for GUP and the Liberty Alliance.

> CN Chairman suggested making this proposal on the PCG by email so that it can be discussed more completely in the April PCG meeting. Suggest using the ETSI legal staff as a reviewer of the agreement and then other OPs can examine the legal aspects for the April meeting.

CN agrees a working assumption that "Liberty Alliance work should preferably be incorporated by reference and extended using the Liberty Alliance protocol extension mechanisms".

CN will rely upon the Liberty alliance until such time as we discover that no collaboration agreement can be established or their work does not meet our needs.

The document was discussed and re-drafted in an offline session NP-040143.

REVISED to 0143. Status:

B REVISED B

NP-040143 LS on collaboration between 3GPP and Liberty Alliance, CN Chair. APPROVED.

9.7 OSA Enhancements [OSA3]

NP-040068 Draft update of Rel-6 Work Item Description for OSA Stage 3, CN5.

Discussion: Lucent commented that the mapping TR does not belong to this CN5 WID, it belongs to the CN1

PRESENCE WID. It was clarified that the task belongs to CN5 but the WID is owned by CN1. The

TR 29.998-14 needs to be removed from this WID, as it is covered in the CN1 Presence WID.

Status: REVISED to 0144.

B REVISED B

NP-040144 Draft update of Rel-6 Work Item Description for OSA Stage 3, CN5. APPROVED.

9.8 Multimedia Broadcast and Multicast Service [MBMS]

NP-040057 CRs to Rel-6 on Work Item Multimedia Broadcast and Multicast Service, CN4.

Discussion: Error on summary table (F not B), however CR cover page is correct.

Status: APPROVED.

9.9 IMS Messaging

No Input to this agenda item.

9.10 IMS Conferencing

No Input to this agenda item.

9.11 Interop & Commonality between IMSs using different IP-connectivity networks

NP-040035 CR to Rel-6 on Work Item IMSCOOP towards 24.229, CN1.

Discussion: Motorola did not agree this was a CAT D as it introduces as new clause. Lucent clarified that this is

not new technical text, just text that has been moved within the document. CN1 chair does not

consider this change would affect implementations.

Status: APPROVED.

9.12 Interworking IMS<->IP

No Input to this agenda item.

9.13 Interworking IMS<->CS

NP-040083 CRs to Rel-6 on Work Item IMS-CS-IW, CN3. APPROVED.

9.14 Enhanced Dialled Services [EDCAMEL]

NP-040094 CRs to Rel-5 WI EDCAMEL, CN2.

Discussion: Lucent felt that the deletion of an SDL [CR657] cannot be seen as an editorial and the CR should

be changed to a CAT F. This is done in the Revised version (NP-040145).

CN agreed that in the future, for SDL changes which add/delete states or transitions we will not use

the CAT D.

TDoc #	Title	Тур	Spec	CR	С	R	Rel	Versi	STATUS
N2-040015	EDS and DisconnectLeg interworking	CR	23.078	652	F		Rel-6	6.0.0	APPROVED
N2-040020	No receipt of Int_DP_Analysed_Information in state Monitoring	CR	23.078	657	D		Rel-6	6.0.0	REV to 0145

Status: PART APPROVED.

NP-040145 CR to Rel-5 WI EDCAMEL, CN2. APPROVED.

NP-040095 CR to Rel-5 WI SCCAMEL, CN2. APPROVED.

9.15 Bearer Independent Arch in PS

No Input to this agenda item.

9.16 MRFC to MRFP I/f (Mp) [IMS-CCR-Mp]

No Input to this agenda item.

9.17 MGCF to IM MGW I/f (Mn) [IMS-CCR-Mn]

NP-040084 CRs to Rel-6 on Work Item Mn i/f, CN3. APPROVED.

9.18 WLAN [WLAN]

NP-040058 CR to Rel-6 on WLAN, CN4. APPROVED.

NP-040105 WLAN UE identity format and resolution [N4-040290], CN4.

Content: CN4 kindly request guidance from GSMA/IREG on the format of WLAN UE identities and their

resolution.

Discussion: Response from GSMA IREG in NP-040141.

Status: NOTED.

NP-040141 Response to LS on WLAN UE identity format and resolution [ireg47_005], GSMA IREG.

Content: GSMA IREG agrees with 3GPP TSG CN WG4 on their proposal concerning WLAN UE identity

format shown below

"wlan.mnc<MNC>.mcc<MCC>.3gppnetwork.org" where mnc and mcc values are derived from the IMSI. They both are 3 digit long: a zero is added at the beginning of the mnc or mcc if its length is 2

digits in the IMSI.

GSMA IREG identifies that "Root NAI" will be following

"0<IMSI>@wlan.mnc<MNC>.mcc<MCC>.3gppnetwork.org", for EAP AKA authentication and

"1<IMSI>@wlan.mnc<MNC>.mcc<MCC>.3gppnetwork.org", for EAP SIM authentication

GSMA IREG sees that it is important to have above Root NAI format in order to find out correct

3GPP AAA server in the right HPLMN.

GSMA IREG confirms that DNS resolution model presented in Tdoc N4-040289 is valid. DNS resolution can be handled through the GRX when VPLMN is a mobile operator (GSM or UMTS)

and the domain used is 3gppnetwork.org.

Discussion: It was noted that MCC value should always be 3 digits.

Status: NOTED.

NP-040142 IPv4/v6 IMS roaming and interworking [ireg47_006], GSMA IREG.

Content: During the GSMA/IREG#46 meeting, mobile operators raised the issue of IPv4 and IPv6 IP

Multimedia Subsystems coexistence and interworking.

GSMA/IREG is aware that IMS has originally been specified over IPv6 only. However, currently it is not possible to define when all mobile operators will migrate to IPv6. On the other hand, IPv4 IMS implementations will be available shortly, and some operators may want to launch IMS services

before IPv6 is available.

Therefore IREG thinks that IPv4/IPv6 IMS roaming and interworking issue will be an actual need, and should therefore be studied and specified by the 3GPP.

IREG is aware that 3GPP has already started work on this subject, and has defined in TR 23.881 a number of roaming and interworking scenarios related to IPv4 and IPv6 IMS coexistence. IREG would like to provide here its analysis on the subject

- · IMS Roaming should not be a major problem as long as HGGSN roaming scenario is used. It has only to be ensured that an SGSN does not reject PDP context activation requests for unsupported PDP types (e.g. IPv6)
- · IMS Interworking however needs additional standardization. Indeed, if only IPv6 interworking is standardised, operators who have deployed « standardised » versions will not be able to interwork with existing « IPv4 » IMS operators:

Please note that only IPv4 IMS as already defined by the 3GPP should be considered: « an IPv4 based IM CN subsystem implementation (or short: IPv4 IM CN subsystem) means an IM CN subsystem implementation, which is based on 3GPP Release 5 or 6 standards, but uses IPv4 rather than IPv6». Pre-IMS implementations which differ from the 3GPP standard on other points than the IP version should not be considered.

IREG kindly asks 3GPP SA2 to standardize in priority a solution to ensure that IPv6 IMS will interwork with IPv4 IMS, and this transparently for the end user.

Discussion: CN are simply cc'd on this LS and it will be handled in SA#23 (more specifically SA2).

Also the final standardization for IPv4/IPv6 needs to be made in CN WGs.

Status: NOTED.

NP-040118 Proposal to use Diameter on the PDG Wi and the GGSN Gi interfaces, T-Mobile.

Content: The document proposes that Diameter should be specified for use on the Wi and Gi interfaces.

Given that the Wi interface is new then it should be specified as Diameter only. Ideally for the Gi interface a Diameter solution should be added in release 6 but certainly added in release 7.

Discussion: Has not yet been seen in CN3. This type if protocol decision is not usually seen in Plenary. This

proposal should be discussed in CN3.

Status: NOTED.

9.19 Location Service Enhancements [LCS2]

NP-040059 CRs to Rel-6 on Work Item Location Service Enhancements, CN4. APPROVED.

9.20 Network Sharing [NTShar]

NP-040036 WID on Network Sharing Stage 3, CN1.

Discussion: WID was originally intended to be CN wide not only CN1. Now however it seems to be the intention

to start with CN1 and then expand to other groups.

Suggested that if other groups see they have any work to do on Network Sharing then it be added

to this WID. This WID is considered as CN wide even though only CN1 is currently affected

Status: APPROVED.

9.21 QoS improvements [QoS1]

No Input to this agenda item.

9.22 Small Technical Enhancements and Improvements [TEI6]

NP-040131 CR to WI TEI_6, CN2. APPROVED.

NP-040037 CRs to Rel-6 on Work Item TEI6 towards 23.122. APPROVED.

NP-040038 CRs to Rel-6 on Work Item TEI6 towards 24.008, CN1. APPROVED.

NP-040060 MAP CR to Rel-6 on Work Item small Technical Enhancements and Improvements on GPRS,

CN4. APPROVED.

NP-040061 CRs to Rel-6 on Work Item small Technical Enhancements and Improvements on MAP, CN4.

APPROVED.

NP-040062 Work Item Description on Trace Management, stage3 network, CN4.

Discussion: Orange added their support to the work item.

The WID mixes IMS and non IMS aspects. Also the IMS parts will require changes to SIP in IETF hence the Dec 2004 completion date is a little tight. Lucent suggested splitting the WID into two, IMS and non-IMS parts. Ericsson also had concerns about the June 2004 date. Splitting the WID at this point is premature before feedback from SA on the acceptability of splitting the functionality.

CN Chair will raise this in the SA plenary as it relates to the stage 2 also.

Status: REVISED to 0146.

B REVISED B

NP-040146 Work Item Description on Trace Management, stage3 network, CN4. APPROVED.

NP-040085 CRs to Rel-6 on Work Item TEI 6, CN3.

Discussion: Clauses effected on the cover page indicates three, but only one clause is effected in the actual

CR. WID should be TEI 6.

Status: REVISED to 0148.

B REVISED B

NP-040148 CRs to Rel-6 on Work Item TEI_6, CN3. APPROVED.

NP-040086 CRs to Rel-6 on Work Item TEI_6, CN3.

Discussion: Missing Clauses on the cover page. WID should be TEI_6.

Status: REVISED to 0147.

B REVISED B

NP-040147 CONDITIONALLY APPROVED. (on condition corresponding SA1 CR is approved in SA#23)

NP-040097 CRs to Rel-6 on Work Item small Technical Enhancements and Improvements on Access

restriction, CN4.

Status: WITHDRAWN - REPLACED by 0120.

NP-040120 CRs to Rel-6 on Work Item small Technical Enhancements and Improvements on Access

restriction, CN4.

Discussion: 23.016CR035 adds a reference to 32.012 to the reference section but cannot be found in the text

of the specification. It was clarified that this was due to an incorrect reference in the CR body text.

Status: REVISED to 0149.

B REVISED B

NP-040149 CRs to Rel-6 on Work Item small Technical Enhancements and Improvements on Access

restriction, CN4. APPROVED.

NP-040100 Addition of ADD feature, Ericsson.

Status: REVISED BEFORE PRESENTATION to 0121.

B REVISED **B**

NP-040121 Addition of ADD feature, Ericsson.

Status: REVISED BEFORE PRESENTATION to 0140.

B REVISED **B**

NP-040140 Addition of ADD feature. Ericsson.

Discussion: There has been discussion to progress the CRs for this feature on the CN4 email exploder.

Orange, Lucent and Nokia questioned the stability and urgency to bring these changes directly to CN Plenary. Ericsson explained that the versions presented to the Plenary are the versions incorporating all the received comments reviewed by CN4 on the email exploder. It was however mentioned by the CN4 chair that all companies may have not had the chance to review the CRs.

Ericsson replied that the CRs have been discussed on the CN4 list for two weeks.

Orange stressed that they support this work, but require some clarity on the specification of the interface between the OMA Device Management System and the HLR). Ericsson clarified that this

interface is currently outside the 3GPP scope as specified by SA2. CN suggested that Orange

provide contributions directly to SA2, as opposed to CN Plenary sending a LS.

Status: REFERRED TO WGs FOR FURTHER STUDY.

NP-040101 Addition of IMEISV to Update Location Procedure for ADD function, Ericsson.

Status: REVISED BEFORE PRESENTATION to 0122.

B REVISED **B**

NP-040122 Addition of IMEISV to Update Location Procedure for ADD function, Ericsson.

Status: REFERRED TO WGs FOR FURTHER STUDY.

NP-040102 Addition of IMEISV to Update Location Procedure for ADD function, Ericsson.

Status: REVISED BEFORE PRESENTATION to 0123.

B REVISED **B**

NP-040123 Addition of IMEISV to Update Location Procedure for ADD function, Ericsson

Status: REFERRED TO WGs FOR FURTHER STUDY.

NP-040103 Add IMEISV to 'data stored in the HLR' due to ADD function, Ericsson

Status: REVISED BEFORE PRESENTATION to 0124.

B REVISED **B**

NP-040124 Add IMEISV to 'data stored in the HLR' due to ADD function, Ericsson

Status: REFERRED TO WGs FOR FURTHER STUDY.

NP-040104 Automatic Device Detection (ADD) support in Inter-SGSN Routing Area Update procedures,

Ericsson

Status: REVISED BEFORE PRESENTATION to 0125.

B REVISED **B**

NP-040125 Automatic Device Detection (ADD) support in Inter-SGSN Routing Area Update procedures,

Ericsson

Status: REFERRED TO WGs FOR FURTHER STUDY.

9.23 Any otherRel-6 WI

NP-040070 CRs to Rel-6 on Work Item Camel SCUDIF, CN4. APPROVED.

10 TSG CN work organization

10.1 Principles for work organization within CN

No Input to this agenda item.

10.2 Terms of Reference

No Input to this agenda item.

10.3 Support Arrangements

No Input to this agenda item.

10.4 Working methods / Work Style

NP-040115 Revision to WID template MCC, JMM.

Discussion: Presented to CN for info, will be presented (in a revised form) to SA#23.

Motorola questioned the timing for producing a new WID, as discussions are ongoing about 3GPP

procedures.

Status: NOTED.

10.5 Future Meeting Schedule

NP-040130 2004 Meeting schedule, source MCC. NOTED

Mar 2004				
TITLE	TYPE	DATES	LOCATION	CTRY
<u>3GPPCN#23</u>	OR	10 - 12 Mar 2004	Phoenix	US
3GPPCN3#31-bis	WG	29 Mar - 2 Apr 2004	Sophia Antipolis	FR
3GPPCN1#33-Bis	WG	30 Mar - 2 Apr 2004	Sophia Antipolis	FR
Apr 2004				
TITLE	TYPE	DATES	LOCATION	CTRY
3GPPCN4#22-bis	WG	14 - 19 Apr 2004	Edinburgh	GB
3GPPCN5-ETSI TISPAN/ Parlay Ad TO BE DECIDED	JM	19 - 23 Apr 2004	Sophia Antipolis	FR
3GPPCN4-3GPPT2-SWG2	JM	20 Apr 2004	Edinburgh	GB
May 2004				
TITLE	TYPE	DATES	LOCATION	CTRY
3GPPCN4#23	WG	10 - 14 May 2004	Zagreb	HR
3GPPCN1#34	WG	10 - 14 May 2004	Zagreb	HR
3GPPCN5#27	WG	10 - 14 May 2004	Miami	US
3GPPCN3#32	WG	10 - 14 May 2004	Zagreb	HR
3GPPCN2#33	WG	10 - 14 May 2004	Zagreb	HR
Jun 2004				
TITLE	TYPE	DATES	LOCATION	CTRY
3GPPCN#24	OR	2 - 4 Jun 2004	SEOUL, KOREA	KR
Aug 2004				
TITLE	TYPE	DATES	LOCATION	CTRY
3GPPCN5#28	WG	9 - 13 Aug 2004	New Jersey	US
<u>3GPPCN3#33</u>	WG	16 - 20 Aug 2004	Sophia Antipolis	FR
3GPPCN1#35	WG	16 - 20 Aug 2004	Sophia Antipolis	FR
3GPPCN4#24	WG	16 - 20 Aug 2004	Sophia Antipolis	FR
Sep 2004				
TITLE	TYPE	DATES	LOCATION	CTRY
3GPPCN#25	OR	8 - 10 Sep 2004	Palm Springs	US
Nov 2004				
TITLE	TYPE	DATES	LOCATION	CTRY
3GPPCN5#29	WG	1 - 5 Nov 2004	Zurich	СН
3GPPCN4#25	WG	15 - 19 Nov 2004	Asia	
3GPPCN1#36	WG	15 - 19 Nov 2004	Asia	
<u>3GPPCN3#34</u>	WG	15 - 19 Nov 2004	Asia	
Dec 2004				
TITLE	TYPE	DATES	LOCATION	CTRY

3GPPCN#26	OR	8 - 10 Dec 2004	Athens	GR
Mar 2005				
TITLE	TYPE	DATES	LOCATION	CTRY
3GPPCN#27	OR	9 - 11 Mar 2005	Tokyo	JP
Jun 2005				
TITLE	TYPE	DATES	LOCATION	CTRY
3GPPCN#28	OR	1 - 3 Jun 2005	TBD	
Sep 2005				
TITLE	TYPE	DATES	LOCATION	CTRY
3GPPCN#29	OR	7 - 9 Sep 2005	TBD	
Nov 2005				
TITLE	TYPE	DATES	LOCATION	CTRY
3GPPCN#30	OR	30 Nov - 2 Dec 2005	TBD	

11 Specifications in TSG-CN domain

NP-040112 CRs to list of specs MCC, JMM. NOTED.

NP-040113 Make 21.801 Release Independent MCC, JMM. NOTED.

NP-040114 Status list before CN#23 MCC, JMM. NOTED.

12 Review of 3GPP Work Plan

NP-040008 3GPP Work Plan, source MCC.

Status: NOTED - Will be updated before presentation to SA#23.

NP-040009 3GPP Work Plan [Slide Presentation], source MCC.

Comments: Comments were made online to the slides:- Alain noted these comments and will ensure they are

included before presentation to SA.

B REVISED B

Status: REVISED to 0153.

NP-040153 3GPP Work Plan [Slide Presentation], source MCC. NOTED.

NP-040010 Overview of Release 99 Contents MCC, Alain Sultan.

Comments: Companies are invited to provide information by email to Alain Sultan and the MCC responsible

person for the work

Status: NOTED.

NP-040011 Overview of Rel-4 Contents MCC, Alain Sultan. NOTED.

13 Postponed issues from earlier in the meeting

No Input to this agenda item.

14 Any other business

No Input to this agenda item.

15 Close of Meeting

The Chairman thanked the host, delegates and MCC for their participation, and closed the meeting at 11:30 on 11th March.

16 CN#23 Bis Meeting

History:

CN5 discovered that the Java code attached to the latest Rel-5 OSA specs (2003-12) was incorrect. CN5 has agreed by correspondence on 29 March 2004 a set of 15 CRs for correcting the Java J2SE code attachments in the OSA Rel-5 specification set (29.198-xy).

The CRs have been created to align the functionality of the Word TS (2003-12) with the now available code and can be found as N5-040226, N5-040228 to N5-040241 inclusive at:

http://www.3gpp.org/ftp/tsg_cn/WG5_osa/TSGN5_27_Miami/Docs/.

Action: CN5 felt that CN approval should not wait until CN#24 in June 2004 It was decided to create a Virtual CN#23bis meeting (electronic only) in order to approve the CRs.

The email approval of the relevant CRs was held between the 29th March and the 19th April 2004.

The CN5 CRs were allocated the CN tdoc numbers **NP-040154** and **NP-040155** and are stored on the server: http://www.3gpp.org/ftp/tsg_cn/TSG_CN/TSGN_23bis/

Status:

No comments were received during the email approval period. The CRs are considered **APPROVED** by TSG_CN and have been subsequently implemented by MCC.

ANNEX A:OUTPUT MATERIAL

A.1 Liaisons Approved

Tdoc	Tdoc Title	LS to	LS cc	LS Attachment
NP-040143	LS on Collaboration between 3GPP and Liberty Alliance Project	SA	CN4	-
NP-040151	LS on Request for close cooperation on future NGN Standardization	SA	-	-
NP-040152	LS on PLMN selection and background scan	SA	SA1, GERAN1, RAN2, CN1	NP-040129

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

NONE:

A.3 New / Revised Work Items Approved

Tdoc	Tdoc Title	Source	Rel
NP-040034	IMS Stage-3 Enhancements	CN1	Rel-6
NP-040036	Network Sharing Stage 3	CN1	Rel-6
NP-040144	Draft update of Rel-6 Work Item Description for OSA Stage 3 (Update of CN#22-approved NP-030558)	CN5	Rel-6
NP-040146	Work Item Description on Trace Management, stage3, network	CN4	Rel-6

A.4 Status of CRs following TSG CN Plenary meeting

Spec	CR	Rev	Phase	Cat	Plenary	WG doc	TSG	Subject	O_Ver	N Ver	WG	Workitem
Spec	CR	Kev	Filase	Cal	doc	VVG doc	status		O_vei	IN_Vei	WG	WORRIGHT
23.009	102	2	Rel-5	F	NP-040031	N1-040468	approved	Renaming of the Available Codecs List to Iu Supported Codecs List	5.7.0	5.8.0	N1	TEI-5
23.122	067	1	Rel-6	F	NP-040037	N1-040440	approved	Definition of MS idle mode	5.3.0	6.0.0	N1	TEI-6
23.122	068	-	Rel-6	F	NP-040037	N1-040242	approved	Usage of HPLMNAcT by the UE	5.3.0	6.0.0	N1	TEI-6
23.218	064	1	Rel-6	В	NP-040032	N1-040158	approved	Dh Interface	6.0.0	6.1.0	N1	IMS2
23.218	066	2	Rel-6	F	NP-040032	N1-040472	approved	Initiating Back to Back User Agent	6.0.0	6.1.0	N1	IMS2
24.008	831	2	Rel-6	С	NP-040038	N1-040456	approved	Use of TMSI/IMSI in CM SERVICE REQUEST message in case of ergency call redirection and change of LAI	6.3.0	6.4.0	N1	TEI-6
24.008	832	-	Rel-6	F	NP-040038	N1-040229	approved	Clarification on the meaning of MS network capability indicator bits	6.3.0	6.4.0	N1	TEI-6
24.008	833	1	R99	F	NP-040025	N1-040382	approved	Conditions for PFI usage	3.17.0	3.18.0	N1	TEI
24.008	834	1	Rel-4	Α	NP-040025	N1-040383	approved	Conditions for PFI usage	4.12.0	4.13.0	N1	TEI
24.008	835	1	Rel-5	Α	NP-040025	N1-040384	approved	Conditions for PFI usage	5.10.0	5.11.0	N1	TEI
24.008	836	1	Rel-6	Α	NP-040025	N1-040385	approved	Conditions for PFI usage	6.3.0	6.4.0	N1	TEI
24.008	841	2	Rel-6	В	NP-040038	N1-040461	approved	Added Session Management (SM) Cause Value for APN Type Conflict	6.3.0	6.4.0	N1	TEI-6
24.008	842	-	Rel-6	F	NP-040038	N1-040208	approved	Correction of the condition for the tear down of PDP contexts	6.3.0	6.4.0	N1	TEI-6
24.008	844	-	Rel-6	F	NP-040038	N1-040309	approved	Status of PFI value after PDP context modification	6.3.0	6.4.0	N1	TEI-6
24.008	845	1	Rel-6	F	NP-040038	N1-040453	approved	MS reaction upon RRC connection release with cause "Directed signalling connection re-establishment"	6.3.0	6.4.0	N1	TEI-6
24.008	846	3	Rel-5	F	NP-040099	-	approved	Handling of key sets	5.10.0	5.11.0	N1	TEI-5
24.008	847	2	Rel-6	Α	NP-040030	N1-040498	approved	Handling of key sets	6.3.0	6.4.0	N1	TEI-5
24.008	849	2	Rel-6	F	NP-040038	N1-040496	approved	Clarification of UE behaviour at network initiated GPRS Detach	6.3.0	6.4.0	N1	TEI-6
24.008	851	-	Rel-6	F	NP-040038	N1-040362	approved	MS class behaviour in case of a network inititated detach with detach type "IMSI detach"	6.3.0	6.4.0	N1	TEI-6
24.228	128	-	Rel-5	F	NP-040026	N1-040335	approved	Editorial modification in notation conventions	5.7.0	5.8.0	N1	IMS-CCR
24.229	367	6	Rel-5	F	NP-040027	N1-040405	approved	Completion of major capabilities table in respect of privacy	5.7.0	5.8.0	N1	IMS-CCR
24.229	488	3	Rel-6	Α	NP-040027	N1-040406	approved	Completion of major capabilities table in respect of privacy	6.1.0	6.2.0	N1	IMS-CCR
24.229	498	5	Rel-5	F	NP-040027	N1-040499	approved	P-CSCF integrity protection	5.7.0	5.8.0	N1	IMS-CCR
24.229	499	5	Rel-6	Α	NP-040027	N1-040500	approved	P-CSCF integrity protection	6.1.0	6.2.0	N1	IMS-CCR
24.229	578	1	Rel-6	В	NP-040032	N1-040184	approved	UE requesting no-fork	6.1.0	6.2.0	N1	IMS2
24.229	579	1	Rel-6	В	NP-040032	N1-040284	approved	Inclusion of caller preferences into profile	6.1.0	6.2.0	N1	IMS2
24.229	585	1	Rel-5	F	NP-040027	N1-040392	approved	Network-initiated re-authentication	5.7.0	5.8.0	N1	IMS-CCR
24.229	586	1	Rel-6	Α	NP-040027	N1-040391	approved	Network-initiated re-authentication	6.1.0	6.2.0	N1	IMS-CCR

Spec	CR	Rev	Phase	Cat	Plenary doc	WG doc	TSG status	Subject	O_Ver	N_Ver	WG	Workitem
24.229	588	1	Rel-6	F	NP-040032	N1-040393	approved	Re-authentication - Abnormal cases	6.1.0	6.2.0	N1	IMS2
24.229	591	1	Rel-5	F	NP-040027	N1-040399	approved	Itegrity protected - correction	5.7.0	5.8.0	N1	IMS-CCR
24.229	592	1	Rel-6	Α	NP-040027	N1-040398	approved	Itegrity protected - correction	6.1.0	6.2.0	N1	IMS-CCR
24.229	596	1	Rel-6	F	NP-040032	N1-040400	approved	Sec-agree parameter in "Proxy-Require" header	6.1.0	6.2.0	N1	IMS2
24.229	599	2	Rel-5	F	NP-040027	N1-040480	approved	Record-Route in target refresh and subsequent request	5.7.0	5.8.0	N1	IMS-CCR
24.229	600	2	Rel-6	Α	NP-040027	N1-040481	approved	Record-Route in target refresh and subsequent request	6.1.0	6.2.0	N1	IMS-CCR
24.229	603	-	Rel-6	D	NP-040035	N1-040304	approved	Cleanup for IP-CAN and GPRS	6.1.0	6.2.0	N1	IMSCOOP
24.229	604	-	Rel-6	В	NP-040032	N1-040325	approved	Forking in S-CSCF	6.1.0	6.2.0	N1	IMS2
24.229	605	3	Rel-6	В	NP-040108	-	approved	Determination of S-CSCF role	6.1.0	6.2.0	N1	IMS2
24.229	607	3	Rel-5	F	NP-040134	-	approved	Unprotected deregistration	5.7.0	5.8.0	N1	IMS-CCR
24.229	608	3	Rel-6	Α	NP-040134	-	approved	Unprotected deregistration	6.1.0	6.2.0	N1	IMS-CCR
24.229	609	-	Rel-5	F	NP-040029	N1-040330	approved	Sending authentication challenge	5.7.0	5.8.0	N1	IMS-CCR
24.229	610	-	Rel-6	Α	NP-040029	N1-040331	approved	Sending authentication challenge	6.1.0	6.2.0	N1	IMS-CCR
24.229	613	-	Rel-6	F	NP-040033	N1-040334	approved	Reference to PDF operation	6.1.0	6.2.0	N1	IMS2
24.229	614	1	Rel-5	F	NP-040029	N1-040465	approved	Support of MESSAGE (Profile Tables)	5.7.0	5.8.0	N1	IMS-CCR
24.229	615	1	Rel-6	Α	NP-040029	N1-040466	approved	Support of MESSAGE (Profile Tables)	6.1.0	6.2.0	N1	IMS-CCR
24.229	616	2	Rel-6	В	NP-040033	N1-040487	approved	Introduction of PSI Routing to 24.229	6.1.0	6.2.0	N1	IMS2
24.229	617	1	Rel-6	В	NP-040033	N1-040463	approved	P-CSCF Re-selection	6.1.0	6.2.0	N1	IMS2
24.229	618	-	Rel-6	В	NP-040033	N1-040344	approved	I-CSCF does not re-select S-CSCF during re-registration	6.1.0	6.2.0	N1	IMS2
24.229	620	1	Rel-6	В	NP-040033	N1-040430	approved	Handling of media authorization token due to messaging	6.1.0	6.2.0	N1	IMS2
24.008	846	2	Rel-5	F	NP-040030	N1-040497	revised	Handling of key sets	5.10.0		N1	TEI-5
24.228	127	1	Rel-5	F	NP-040026	N1-040495	rejected	P-Charging-Function-Addresses header	5.7.0		N1	IMS-CCR
24.229	601	1	Rel-5	F	NP-040028	N1-040403	rejected	Missing statements regarding P-Charging-Function-Addresses	5.7.0		N1	IMS-CCR
24.229	601	2	Rel-5	F	NP-040039	-	rejected	Missing statements regarding P-Charging-Function-Addresses	5.7.0		N1	IMS-CCR
24.229	602	1	Rel-6	Α	NP-040028	N1-040404	rejected	Missing statements regarding P-Charging-Function-Addresses	6.1.0		N1	IMS-CCR
24.229	602	2	Rel-6	Α	NP-040040	-	rejected	Missing statements regarding P-Charging-Function-Addresses	6.1.0		N1	IMS-CCR
24.229	605	2	Rel-6	В	NP-040033	N1-040464	revised	Determination of S-CSCF role	6.1.0		N1	IMS2
24.229	607	2	Rel-5	F	NP-040029	N1-040483	revised	Unprotected deregistration	5.7.0		N1	IMS-CCR
24.229	608	2	Rel-6	Α	NP-040029	N1-040482	revised	Unprotected deregistration	6.1.0		N1	IMS-CCR
29.018	041	1	Rel-6	В	NP-040123	-	rejected	Addition of IMEISV to Update Location Procedure for ADD function	5.5.0		N1	TEI-6
29.018	xxx	-	Rel-6	В	NP-040102	_	revised	Addition of IMEISV to Update Location Procedure for ADD function	5.5.0		N1	TEI-6
23.078	648	1	Rel-5	F	NP-040137	N2-040122	approved	Missing DisconnectLeg Result to the gsmSCF	5.6.0	5.7.0	N2	CAMEL4
23.078	649	1	Rel-6	Α	NP-040137	N2-040123	approved	Missing DisconnectLeg Result to the gsmSCF	6.0.0	6.1.0	N2	CAMEL4
23.078	651	1	Rel-6	Α	NP-040137	N2-040135	approved	Correction to DP description tables	6.0.0	6.1.0	N2	CAMEL4
23.078	652	-	Rel-6	F	NP-040094	N2-040015	approved	EDS and DisconnectLeg interworking	6.0.0	6.1.0	N2	EDCAMEL

Spec	CR	Rev	Phase	Cat	Plenary doc	WG doc	TSG status	Subject	O_Ver	N_Ver	WG	Workitem
23.078	653	-	R99	F	NP-040090	N2-040016	approved	DP Triggering without having armed the TDP	3.18.0	3.19.0	N2	CAMEL3
23.078	654	-	Rel-4	Α	NP-040090	N2-040017	approved	DP Triggering without having armed the TDP	4.10.0	4.11.0	N2	CAMEL3
23.078	655	-	Rel-5	Α	NP-040090	N2-040018	approved	DP Triggering without having armed the TDP	5.6.0	5.7.0	N2	CAMEL4
23.078	656	-	Rel-6	Α	NP-040090	N2-040019	approved	DP Triggering without having armed the TDP	6.0.0	6.1.0	N2	CAMEL4
23.078	657	1	Rel-6	F	NP-040145	N2-040020	approved	No receipt of Int_DP_Analysed_Information in state Monitoring	6.0.0	6.1.0	N2	EDCAMEL
23.078	661	1	Rel-5	F	NP-040136	N2-040106	approved	Correction to dialed services triggering for NP and NC calls	5.6.0	5.7.0	N2	CAMEL4
23.078	662	1	Rel-5	F	NP-040137	N2-040134	approved	Correction to DP description tables	5.6.0	5.7.0	N2	CAMEL4
23.078	663	-	Rel-5	F	NP-040136	N2-040027	approved	Correction to No Answer handling (CAMEL_OCH_MSC2)	5.6.0	5.7.0	N2	CAMEL4
23.078	666	1	Rel-5	F	NP-040136	N2-040092	approved	Handling of DFCWA in ETC and CTR procedures	5.6.0	5.7.0	N2	CAMEL4
23.078	667	1	Rel-5	F	NP-040137	N2-040125	approved	Correction to CUG handling for NP calls	5.6.0	5.7.0	N2	CAMEL4
23.078	668	1	Rel-5	F	NP-040137	N2-040127	approved	Correction to CAMEL_ICA_MSC (hanging connector)	5.6.0	5.7.0	N2	CAMEL4
23.078	669	1	Rel-5	F	NP-040137	N2-040136	approved	Allowing Export_leg at DP Alerting and DP Answer	5.6.0	5.7.0	N2	CAMEL4
23.078	670	-	Rel-5	F	NP-040136	N2-040034	approved	Correction to handling of DFC in CS_gsmSSF	5.6.0	5.7.0	N2	CAMEL4
23.078	671	2	Rel-5	F	NP-040137	N2-040137	approved	Correction to Request Report BCSM Event handling in CSA_gsmSSF	5.6.0	5.7.0	N2	CAMEL4
23.078	673	2	Rel-5	F	NP-040137	N2-040139	approved	Correction to Split Leg handling in CSA_gsmSSF	5.6.0	5.7.0	N2	CAMEL4
23.078	674	1	Rel-5	F	NP-040136	N2-040111	approved	Correction to both way through parameter for ETC and CTR	5.6.0	5.7.0	N2	CAMEL4
23.078	675	1	Rel-5	F	NP-040137	N2-040141	approved	Correction to CS ID in Prompt & Collect User Information	5.6.0	5.7.0	N2	CAMEL4
23.078	676	1	Rel-5	F	NP-040136	N2-040115	approved	Correction to forwarded leg handling with Suppress O-CSI	5.6.0	5.7.0	N2	CAMEL4
23.078	677	1	Rel-5	F	NP-040136	N2-040117	approved	Correction to ORLCF handling for CAMEL calls in VMSC	5.6.0	5.7.0	N2	CAMEL4
23.078	678	-	Rel-5	F	NP-040136	N2-040042	approved	Correction to Information Location at DP O_Term_Seized	5.6.0	5.7.0	N2	CAMEL4
23.078	679	2	Rel-5	F	NP-040137	N2-040119	approved	Correction to Tssf timer at Apply Charging	5.6.0	5.7.0	N2	CAMEL4
23.078	680	1	Rel-5	F	NP-040137	N2-040143	approved	Correction to SplitLeg preconditions	5.6.0	5.7.0	N2	CAMEL4
23.078	681	2	Rel-5	F	NP-040138	N2-040147	approved	Correction to Disconnect Leg preconditions	5.6.0	5.7.0	N2	CAMEL4
23.078	682	2	Rel-6	В	NP-040138	N2-040156	approved	Enhancement of Event Specific Information for DP 'Change of Position'	6.0.0	6.1.0	N2	TEI-6
23.078	686	1	Rel-6	F	NP-040131	N2-040159	approved	GPRS ODB reporting to CAMEL SCP	6.0.0	6.1.0	N2	TEI-6
23.078	688	2	Rel-6	В	NP-040095	N2-040154	approved	CAMEL4 SCUDIF notification during active call for prepay	6.0.0	6.1.0	N2	SCCAMEL
23.078	689	1	Rel-6	F	NP-040138	N2-040160	approved	NoReply timer clarification for follow -on calls	6.0.0	6.1.0	N2	TEI-6
23.078	692	4	Rel-5	F	NP-040096	N2-040172	approved	Adding the Layer Compatibility information elements over the gsmSSF – gsmSCF interface	5.6.0	5.7.0	N2	CAMEL4
23.078	693	1	Rel-6	Α	NP-040096	N2-040173	approved	Adding the Layer Compatibility information elements over the gsmSSF – gsmSCF interface	6.0.0	6.1.0	N2	CAMEL4
23.078	694	-	Rel-6	Α	NP-040136	N2-040107	approved	Correction to dialed services triggering for NP and NC calls	6.0.0	6.1.0	N2	CAMEL4
23.078	695	-	Rel-6	Α	NP-040136	N2-040108	approved	Correction to No Answer handling (CAMEL_OCH_MSC2)	6.0.0	6.1.0	N2	CAMEL4
23.078	696	-	Rel-6	Α	NP-040136	N2-040109	approved	Correction to handling of DFC in CS_gsmSSF	6.0.0	6.1.0	N2	CAMEL4
23.078	697	-	Rel-6	Α	NP-040136	N2-040112	approved	Correction to both way through parameter for ETC and CTR	6.0.0	6.1.0	N2	CAMEL4

Spec	CR	Rev	Phase	Cat	Plenary doc	WG doc	TSG status	Subject	O_Ver	N_Ver	WG	Workitem
23.078	698	-	Rel-6	Α	NP-040136	N2-040116	approved	Correction to forwarded leg handling with Suppress O-CSI	6.0.0	6.1.0	N2	CAMEL4
23.078	699	-	Rel-6	Α	NP-040136	N2-040118	approved	Correction to ORLCF handling for CAMEL calls in VMSC	6.0.0	6.1.0	N2	CAMEL4
23.078	700	-	Rel-6	Α	NP-040136	N2-040124	approved	Handling of DFCWA in ETC and CTR procedures	6.0.0	6.1.0	N2	CAMEL4
23.078	701	-	Rel-6	Α	NP-040137	N2-040126	approved	Correction to CUG handling for NP calls	6.0.0	6.1.0	N2	CAMEL4
23.078	702	-	Rel-6	Α	NP-040137	N2-040128	approved	Correction to CAMEL_ICA_MSC (hanging connector)	6.0.0	6.1.0	N2	CAMEL4
23.078	703	-	Rel-6	Α	NP-040137	N2-040138	approved	Correction to Request Report BCSM Event handling in CSA_gsmSSF	6.0.0	6.1.0	N2	CAMEL4
23.078	704	-	Rel-6	Α	NP-040137	N2-040140	approved	Correction to Split Leg handling in CSA_gsmSSF	6.0.0	6.1.0	N2	CAMEL4
23.078	705	-	Rel-6	Α	NP-040137	N2-040142	approved	Correction to CS ID in Prompt & Collect User Information	6.0.0	6.1.0	N2	CAMEL4
23.078	706	-	Rel-6	Α	NP-040137	N2-040144	approved	Correction to SplitLeg preconditions	6.0.0	6.1.0	N2	CAMEL4
23.078	707	-	Rel-6	Α	NP-040138	N2-040148	approved	Correction to Disconnect Leg preconditions	6.0.0	6.1.0	N2	CAMEL4
23.078	708	-	Rel-6	Α	NP-040136	N2-040151	approved	Correction to Information Location at DP O_Term_Seized	6.0.0	6.1.0	N2	CAMEL4
23.078	709	-	Rel-5	F	NP-040138	N2-040155	approved	Starting of Timer Tccd after ACR on DP 'Change of Position'	5.6.0	5.7.0	N2	CAMEL4
23.078	710	-	Rel-6	Α	NP-040138	N2-040170	approved	Starting of Timer Tccd after ACR on DP 'Change of Position'	6.0.0	6.1.0	N2	CAMEL4
23.078	711	-	Rel-6	Α	NP-040137	N2-040175	approved	Correction to Tssf timer at Apply Charging	6.0.0	6.1.0	N2	CAMEL4
23.078	712	-	Rel-6	Α	NP-040137	N2-040176	approved	Allowing Export_leg at DP Alerting and DP Answer	6.0.0	6.1.0	N2	CAMEL4
29.078	346	1	Rel-5	F	NP-040138	N2-040152	approved	Correction to GPRS protocol definition	5.6.1	5.7.0	N2	CAMEL4
29.078	347	-	Rel-5	F	NP-040136	-	approved	Correction to temporary connection establishment	5.6.1	5.7.0	N2	CAMEL4
29.078	348	1	Rel-5	F	NP-040137	N2-040145	approved	Correction to SplitLeg and MoveLeg preconditions	5.6.1	5.7.0	N2	CAMEL4
29.078	349	1	Rel-5	F	NP-040138	N2-040149	approved	Correction to Disconnect Leg preconditions	5.6.1	5.7.0	N2	CAMEL4
29.078	350	2	Rel-6	В	NP-040138	N2-040157	approved	Enhancement of Event Specific Information for DP 'Change of Position'	6.0.0	6.1.0	N2	TEI-6
29.078	351	1	Rel-5	F	NP-040136	N2-040113	approved	Correction to description of Service Interaction Indicators Two parameter	5.6.1	5.7.0	N2	CAMEL4
29.078	352	1	Rel-6	В	NP-040095	N2-040131	approved	CAMEL4 SCUDIF notification during active call for prepay	6.0.0	6.1.0	N2	SCCAMEL
29.078	355	3	Rel-5	F	NP-040096	N2-040168	approved	Adding the Layer Compatibility information elements over the gsmSSF – gsmSCF interface	5.6.1	5.7.0	N2	CAMEL4
29.078	356	1	Rel-6	Α	NP-040096	N2-040169	approved	Adding the Layer Compatibility information elements over the gsmSSF – gsmSCF interface	6.0.0	6.1.0	N2	CAMEL4
29.078	360	-	Rel-6	Α	NP-040136	N2-040114	approved	Correction to description of Service Interaction Indicators Two parameter	6.0.0	6.1.0	N2	CAMEL4
29.078	361	-	Rel-6	Α	NP-040136	N2-040120	approved	Correction to temporary connection establishment	6.0.0	6.1.0	N2	CAMEL4
29.078	362	-	Rel-6	Α	NP-040137	N2-040146	approved	Correction to SplitLeg and MoveLeg preconditions	6.0.0	6.1.0	N2	CAMEL4
29.078	363	-	Rel-6	Α	NP-040138	N2-040150	approved	Correction to Disconnect Leg preconditions	6.0.0	6.1.0	N2	CAMEL4
29.078	364	-	Rel-6	Α	NP-040138	N2-040174	approved	Correction to GPRS protocol definition	6.0.0	6.1.0	N2	CAMEL4
23.078	648	1	Rel-5	F	NP-040110	N2-040122	revised	Missing DisconnectLeg Result to the gsmSCF	5.6.0		N2	CAMEL4
23.078	648	1	Rel-5	F	NP-040092	N2-040122	revised	Missing DisconnectLeg Result to the gsmSCF	5.6.0		N2	CAMEL4
23.078	649	1	Rel-6	Α	NP-040110	N2-040123	revised	Missing DisconnectLeg Result to the gsmSCF	6.0.0		N2	CAMEL4

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23.078	649	1	Rel-6	Α	NP-040092	N2-040123	revised	Missing DisconnectLeg Result to the gsmSCF	6.0.0		N2	CAMEL4
23.078	651	1	Rel-6	Α	NP-040092	N2-040135	revised	Correction to DP description tables	6.0.0		N2	CAMEL4
23.078	651	1	Rel-6	Α	NP-040110	N2-040135	revised	Correction to DP description tables	6.0.0		N2	CAMEL4
23.078	657	-	Rel-6	D	NP-040094	N2-040020	revised	No receipt of Int_DP_Analysed_Information in state Monitoring	6.0.0		N2	EDCAMEL
23.078	661	1	Rel-5	F	NP-040091	N2-040106	revised	Correction to dialed services triggering for NP and NC calls	5.6.0		N2	CAMEL4
23.078	661	1	Rel-5	F	NP-040109	N2-040106	withdrawn	Correction to dialed services triggering for NP and NC calls	5.6.0		N2	CAMEL4
23.078	662	1	Rel-5	F	NP-040110	N2-040134	revised	Correction to DP description tables	5.6.0		N2	CAMEL4
23.078	662	1	Rel-5	F	NP-040092	N2-040134	revised	Correction to DP description tables	5.6.0		N2	CAMEL4
23.078	663	-	Rel-5	F	NP-040109	N2-040027	withdrawn	Correction to No Answer handling (CAMEL_OCH_MSC2)	5.6.0		N2	CAMEL4
23.078	663	-	Rel-5	F	NP-040091	N2-040027	revised	Correction to No Answer handling (CAMEL_OCH_MSC2)	5.6.0		N2	CAMEL4
23.078	666	1	Rel-5	F	NP-040091	N2-040092	revised	Handling of DFCWA in ETC and CTR procedures	5.6.0		N2	CAMEL4
23.078	666	1	Rel-5	F	NP-040109	N2-040092	withdrawn	Handling of DFCWA in ETC and CTR procedures	5.6.0		N2	CAMEL4
23.078	667	1	Rel-5	F	NP-040092	N2-040125	revised	Correction to CUG handling for NP calls	5.6.0		N2	CAMEL4
23.078	667	1	Rel-5	F	NP-040110	N2-040125	revised	Correction to CUG handling for NP calls	5.6.0		N2	CAMEL4
23.078	668	1	Rel-5	F	NP-040092	N2-040127	revised	Correction to CAMEL_ICA_MSC (hanging connector)	5.6.0		N2	CAMEL4
23.078	668	1	Rel-5	F	NP-040110	N2-040127	revised	Correction to CAMEL_ICA_MSC (hanging connector)	5.6.0		N2	CAMEL4
23.078	669	1	Rel-5	F	NP-040092	N2-040136	revised	Allowing Export_leg at DP Alerting and DP Answer	5.6.0		N2	CAMEL4
23.078	669	1	Rel-5	F	NP-040110	N2-040136	revised	Allowing Export_leg at DP Alerting and DP Answer	5.6.0		N2	CAMEL4
23.078	670	-	Rel-5	F	NP-040091	N2-040034	revised	Correction to handling of DFC in CS_gsmSSF	5.6.0		N2	CAMEL4
23.078	670	-	Rel-5	F	NP-040109	N2-040034	withdrawn	Correction to handling of DFC in CS_gsmSSF	5.6.0		N2	CAMEL4
23.078	671	2	Rel-5	F	NP-040092	N2-040137	revised	Correction to Request Report BCSM Event handling in CSA_gsmSSF	5.6.0		N2	CAMEL4
23.078	671	2	Rel-5	F	NP-040110	N2-040137	revised	Correction to Request Report BCSM Event handling in CSA_gsmSSF	5.6.0		N2	CAMEL4
23.078	673	2	Rel-5	F	NP-040110	N2-040139	revised	Correction to Split Leg handling in CSA_gsmSSF	5.6.0		N2	CAMEL4
23.078	673	2	Rel-5	F	NP-040092	N2-040139	revised	Correction to Split Leg handling in CSA_gsmSSF	5.6.0		N2	CAMEL4
23.078	674	1	Rel-5	F	NP-040091	N2-040111	revised	Correction to both way through parameter for ETC and CTR	5.6.0		N2	CAMEL4
23.078	674	1	Rel-5	F	NP-040109	N2-040111	withdraw n	Correction to both way through parameter for ETC and CTR	5.6.0		N2	CAMEL4
23.078	675	1	Rel-5	F	NP-040110	N2-040141	revised	Correction to CS ID in Prompt & Collect User Information	5.6.0		N2	CAMEL4
23.078	675	1	Rel-5	F	NP-040092	N2-040141	revised	Correction to CS ID in Prompt & Collect User Information	5.6.0		N2	CAMEL4
23.078	676	1	Rel-5	F	NP-040109	N2-040115	withdrawn	Correction to forwarded leg handling with Suppress O-CSI	5.6.0		N2	CAMEL4
23.078	676	1	Rel-5	F	NP-040091	N2-040115	revised	Correction to forwarded leg handling with Suppress O-CSI	5.6.0		N2	CAMEL4
23.078	677	1	Rel-5	F	NP-040091	N2-040117	revised	Correction to ORLCF handling for CAMEL calls in VMSC	5.6.0		N2	CAMEL4
23.078	677	1	Rel-5	F	NP-040109	N2-040117	withdrawn	Correction to ORLCF handling for CAMEL calls in VMSC	5.6.0		N2	CAMEL4
23.078	678	-	Rel-5	F	NP-040091	N2-040042	revised	Correction to Information Location at DP O_Term_Seized	5.6.0		N2	CAMEL4
23.078	678	-	Rel-5	F	NP-040109	N2-040042	withdrawn	Correction to Information Location at DP O_Term_Seized	5.6.0		N2	CAMEL4
23.078	679	2	Rel-5	F	NP-040110	N2-040119	revised	Correction to Tssf timer at Apply Charging	5.6.0		N2	CAMEL4

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23.078	679	2	Rel-5	F	NP-040092	N2-040119	revised	Correction to Tssf timer at Apply Charging	5.6.0		N2	CAMEL4
23.078	680	1	Rel-5	F	NP-040092	N2-040143	revised	Correction to SplitLeg preconditions	5.6.0		N2	CAMEL4
23.078	680	1	Rel-5	F	NP-040110	N2-040143	revised	Correction to SplitLeg preconditions	5.6.0		N2	CAMEL4
23.078	681	2	Rel-5	F	NP-040111	N2-040147	revised	Correction to Disconnect Leg preconditions	5.6.0		N2	CAMEL4
23.078	681	2	Rel-5	F	NP-040093	N2-040147	revised	Correction to Disconnect Leg preconditions	5.6.0		N2	CAMEL4
23.078	682	2	Rel-6	В	NP-040093	N2-040156	revised	Enhancement of Ev ent Specific Information for DP 'Change of Position'	6.0.0		N2	CAMEL4
23.078	682	2	Rel-6	В	NP-040111	N2-040156	revised	Enhancement of Event Specific Information for DP 'Change of Position'	6.0.0		N2	CAMEL4
23.078	686	1	Rel-6	F	NP-040090	N2-040159	revised	GPRS ODB reporting to CAMEL SCP	6.0.0		N2	CAMEL3
23.078	689	1	Rel-6	F	NP-040111	N2-040160	revised	NoReply timer clarification for follow-on calls	6.0.0		N2	CAMEL4
23.078	689	1	Rel-6	F	NP-040093	N2-040160	revised	NoReply timer clarification for follow-on calls	6.0.0		N2	CAMEL4
23.078	694	-	Rel-6	Α	NP-040091	N2-040107	revised	Correction to dialed services triggering for NP and NC calls	6.0.0		N2	CAMEL4
23.078	694	-	Rel-6	Α	NP-040109	N2-040107	withdrawn	Correction to dialed services triggering for NP and NC calls	6.0.0		N2	CAMEL4
23.078	695	-	Rel-6	Α	NP-040109	N2-040108	withdrawn	Correction to No Answer handling (CAMEL_OCH_MSC2)	6.0.0		N2	CAMEL4
23.078	695	-	Rel-6	Α	NP-040091	N2-040108	revised	Correction to No Answer handling (CAMEL_OCH_MSC2)	6.0.0		N2	CAMEL4
23.078	696	-	Rel-6	Α	NP-040109	N2-040109	withdrawn	Correction to handling of DFC in CS_gsmSSF	6.0.0		N2	CAMEL4
23.078	696	-	Rel-6	Α	NP-040091	N2-040109	revised	Correction to handling of DFC in CS_gsmSSF	6.0.0		N2	CAMEL4
23.078	697	-	Rel-6	Α	NP-040109	N2-040112	withdrawn	Correction to both way through parameter for ETC and CTR	6.0.0		N2	CAMEL4
23.078	697	-	Rel-6	Α	NP-040091	N2-040112	revised	Correction to both way through parameter for ETC and CTR	6.0.0		N2	CAMEL4
23.078	698	-	Rel-6	Α	NP-040109	N2-040116	withdrawn	Correction to forwarded leg handling with Suppress O-CSI	6.0.0		N2	CAMEL4
23.078	698	-	Rel-6	Α	NP-040091	N2-040116	revised	Correction to forwarded leg handling with Suppress O-CSI	6.0.0		N2	CAMEL4
23.078	699	-	Rel-6	Α	NP-040109	N2-040118	withdrawn	Correction to ORLCF handling for CAMEL calls in VMSC	6.0.0		N2	CAMEL4
23.078	699	-	Rel-6	Α	NP-040091	N2-040118	revised	Correction to ORLCF handling for CAMEL calls in VMSC	6.0.0		N2	CAMEL4
23.078	700	-	Rel-6	Α	NP-040091	N2-040124	revised	Handling of DFCWA in ETC and CTR procedures	6.0.0		N2	CAMEL4
23.078	700	-	Rel-6	Α	NP-040109	N2-040124	withdrawn	Handling of DFCWA in ETC and CTR procedures	6.0.0		N2	CAMEL4
23.078	701	-	Rel-6	Α	NP-040110	N2-040126	revised	Correction to CUG handling for NP calls	6.0.0		N2	CAMEL4
23.078	701	-	Rel-6	Α	NP-040092	N2-040126	revised	Correction to CUG handling for NP calls	6.0.0		N2	CAMEL4
23.078	702	-	Rel-6	Α	NP-040110	N2-040128	revised	Correction to CAMEL_ICA_MSC (hanging connector)	6.0.0		N2	CAMEL4
23.078	702	-	Rel-6	Α	NP-040092	N2-040128	revised	Correction to CAMEL_ICA_MSC (hanging connector)	6.0.0		N2	CAMEL4
23.078	703	-	Rel-6	Α	NP-040092	N2-040138	revised	Correction to Request Report BCSM Event handling in CSA_gsmSSF	6.0.0		N2	CAMEL4
23.078	703	-	Rel-6	Α	NP-040110	N2-040138	revised	Correction to Request Report BCSM Event handling in CSA_gsmSSF	6.0.0		N2	CAMEL4
23.078	704	-	Rel-6	Α	NP-040092	N2-040140	revised	Correction to Split Leg handling in CSA_gsmSSF	6.0.0		N2	CAMEL4
23.078	704	-	Rel-6	Α	NP-040110	N2-040140	revised	Correction to Split Leg handling in CSA_gsmSSF	6.0.0		N2	CAMEL4
23.078	705	-	Rel-6	Α	NP-040110	N2-040142	revised	Correction to CS ID in Prompt & Collect User Information	6.0.0		N2	CAMEL4

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23.078	705	-	Rel-6	Α	NP-040092	N2-040142	revised	Correction to CS ID in Prompt & Collect User Information	6.0.0		N2	CAMEL4
23.078	706	-	Rel-6	Α	NP-040092	N2-040144	revised	Correction to SplitLeg preconditions	6.0.0		N2	CAMEL4
23.078	706	-	Rel-6	Α	NP-040110	N2-040144	revised	Correction to SplitLeg preconditions	6.0.0		N2	CAMEL4
23.078	707	-	Rel-6	Α	NP-040093	N2-040148	revised	Correction to Disconnect Leg preconditions	6.0.0		N2	CAMEL4
23.078	707	-	Rel-6	Α	NP-040111	N2-040148	revised	Correction to Disconnect Leg preconditions	6.0.0		N2	CAMEL4
23.078	708	-	Rel-6	Α	NP-040109	N2-040151	withdrawn	Correction to Information Location at DP O_Term_Seized	6.0.0		N2	CAMEL4
23.078	708	-	Rel-6	Α	NP-040091	N2-040151	revised	Correction to Information Location at DP O_Term_Seized	6.0.0		N2	CAMEL4
23.078	709	-	Rel-5	F	NP-040111	N2-040155	revised	Starting of Timer Tccd after ACR on DP 'Change of Position'	5.6.0		N2	CAMEL4
23.078	709	-	Rel-5	F	NP-040093	N2-040155	revised	Starting of Timer Tccd after ACR on DP 'Change of Position'	5.6.0		N2	CAMEL4
23.078	710	-	Rel-6	Α	NP-040093	N2-040170	revised	Starting of Timer Tccd after ACR on DP 'Change of Position'	6.0.0		N2	CAMEL4
23.078	710	-	Rel-6	Α	NP-040111	N2-040170	revised	Starting of Timer Tccd after ACR on DP 'Change of Position'	6.0.0		N2	CAMEL4
23.078	711	-	Rel-6	Α	NP-040092	N2-040175	revised	Correction to Tssf timer at Apply Charging	6.0.0		N2	CAMEL4
23.078	711	-	Rel-6	Α	NP-040110	N2-040175	revised	Correction to Tssf timer at Apply Charging	6.0.0		N2	CAMEL4
23.078	712	-	Rel-6	Α	NP-040092	N2-040176	revised	Allowing Export_leg at DP Alerting and DP Answer	6.0.0		N2	CAMEL4
23.078	712	-	Rel-6	Α	NP-040110	N2-040176	revised	Allowing Export_leg at DP Alerting and DP Answer	6.0.0		N2	CAMEL4
29.078	346	1	Rel-5	F	NP-040093	N2-040152	revised	Correction to GPRS protocol definition	5.6.1		N2	CAMEL4
29.078	346	1	Rel-5	F	NP-040111	N2-040152	revised	Correction to GPRS protocol definition	5.6.1		N2	CAMEL4
29.078	347	-	Rel-5	F	NP-040091	N2-040047	revised	Correction to temporary connection establishment	5.6.1		N2	CAMEL4
29.078	347	-	Rel-5	F	NP-040109	N2-040047	revised	Correction to temporary connection establishment	5.6.1		N2	CAMEL4
29.078	348	1	Rel-5	F	NP-040092	N2-040145	revised	Correction to SplitLeg and MoveLeg preconditions	5.6.1		N2	CAMEL4
29.078	348	1	Rel-5	F	NP-040110	N2-040145	revised	Correction to SplitLeg and MoveLeg preconditions	5.6.1		N2	CAMEL4
29.078	349	1	Rel-5	F	NP-040111	N2-040149	revised	Correction to Disconnect Leg preconditions	5.6.1		N2	CAMEL4
29.078	349	1	Rel-5	F	NP-040093	N2-040149	revised	Correction to Disconnect Leg preconditions	5.6.1		N2	CAMEL4
29.078	350	2	Rel-6	В	NP-040111	N2-040157	revised	Enhancement of Event Specific Information for DP 'Change of Position'	6.0.0		N2	CAMEL4
29.078	350	2	Rel-6	В	NP-040093	N2-040157	revised	Enhancement of Event Specific Information for DP 'Change of Position'	6.0.0		N2	CAMEL4
29.078	351	1	Rel-5	F	NP-040109	N2-040113	withdrawn	Correction to description of Service Interaction Indicators Two parameter	5.6.1		N2	CAMEL4
29.078	351	1	Rel-5	F	NP-040091	N2-040113	revised	Correction to description of Service Interaction Indicators Two parameter	5.6.1		N2	CAMEL4
29.078	360	-	Rel-6	Α	NP-040109	N2-040114	withdrawn	Correction to description of Service Interaction Indicators Two parameter	6.0.0		N2	CAMEL4
29.078	360	-	Rel-6	Α	NP-040091	N2-040114	revised	Correction to description of Service Interaction Indicators Two parameter	6.0.0		N2	CAMEL4
29.078	361	-	Rel-6	Α	NP-040109	N2-040120	withdrawn	Correction to temporary connection establishment	6.0.0		N2	CAMEL4
29.078	361	-	Rel-6	Α	NP-040091	N2-040120	revised	Correction to temporary connection establishment	6.0.0		N2	CAMEL4
29.078	362	-	Rel-6	Α	NP-040110	N2-040146	revised	Correction to SplitLeg and MoveLeg preconditions	6.0.0		N2	CAMEL4

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29.078	362	-	Rel-6	Α	NP-040092	N2-040146	revised	Correction to SplitLeg and MoveLeg preconditions	6.0.0		N2	CAMEL4
29.078	363	-	Rel-6	Α	NP-040093	N2-040150	revised	Correction to Disconnect Leg preconditions	6.0.0		N2	CAMEL4
29.078	363	-	Rel-6	Α	NP-040111	N2-040150	revised	Correction to Disconnect Leg preconditions	6.0.0		N2	CAMEL4
29.078	364	-	Rel-6	Α	NP-040093	N2-040174	revised	Correction to GPRS protocol definition	6.0.0		N2	CAMEL4
29.078	364	-	Rel-6	Α	NP-040111	N2-040174	revised	Correction to GPRS protocol definition	6.0.0		N2	CAMEL4
23.172	022	2	Rel-5	F	NP-040081	N3-040119	approved	SCUDIF corrections for CAMEL interworking	5.3.0	5.4.0	N3	SCUDIF
23.172	023	2	Rel-5	F	NP-040081	N3-040120	approved	SCUDIF corrections for user interaction	5.3.0	5.4.0	N3	SCUDIF
23.172	024	2	Rel-5	F	NP-040081	N3-040091	approved	SCUDIF corrections for ISUP/BICC interworking	5.3.0	5.4.0	N3	SCUDIF
23.172	025	3	Rel-6	В	NP-040147	-	approved	Network-Initiated Service Change for SCUDIF	5.3.0	6.0.0	N3	TEI-6
29.007	096	-	Rel-5	F	NP-040082	N3-040024	approved	Signalling of LLC and HLC	5.8.0	5.9.0	N3	TEI-5
29.061	103	2	Rel-6	В	NP-040148	-	approved	IMEISV Passed on the Gi Interface	5.8.0	6.0.0	N3	TEI-6
29.163	030	2	Rel-6	F	NP-040083	N3-040121	approved	Reason Header	6.1.0	6.2.0	N3	IMS-CCR- IWCS
29.163	031	2	Rel-6	В	NP-040083	N3-040122	approved	Informative annex for misalignments with Q.1912.5	6.1.0	6.2.0	N3	IMS-CCR- IWCS
29.163	032	2	Rel-6	F	NP-040083	N3-040124	approved	Criteria for sending UPDATE in BICC	6.1.0	6.2.0	N3	IMS-CCR- IWCS
29.163	033	2	Rel-6	F	NP-040084	N3-040125	approved	Impact of Forking on Mn procedures	6.1.0	6.2.0	N3	IMS-CCR- IWCS
29.163	034	1	Rel-6	F	NP-040083	N3-040095	approved	Impact of Forking on Incoming call interworking	6.1.0	6.2.0	N3	IMS-CCR- IWCS
29.163	035	2	Rel-6	F	NP-040083	N3-040123	approved	Impact of Forking on Outgoing call interworking	6.1.0	6.2.0	N3	IMS-CCR- IWCS
29.163	036	1	Rel-6	F	NP-040083	N3-040097	approved	Impact of Forking on COLP supplementary service	6.1.0	6.2.0	N3	IMS-CCR- IWCS
29.207	113	2	Rel-5	F	NP-040080	N3-040116	approved	Session modification when a biderctional media is done unidirectional	5.6.0	5.7.0	N3	E2EQoS
29.207	121	1	Rel-5	F	NP-040080	N3-040131	approved	Mandatory traffic handling priority	5.6.0	5.7.0	N3	E2EQoS
29.208	056	2	Rel-5	F	NP-040080	N3-040117	approved	Session modification when a biderctional media is done unidirectional	5.6.0	5.7.0	N3	E2EQoS
29.208	059	-	Rel-5	F	NP-040080	N3-040067	approved	Mapping tables for streaming services	5.6.0	5.7.0	N3	E2EQoS
29.208	060	1	Rel-5	F	NP-040080	N3-040132	approved	Traffic handling priority in the mapping tables	5.6.0	5.7.0	N3	E2EQoS
23.172	025	2	Rel-6	В	NP-040086	N3-040115	revised	Network-Initiated Service Change for SCUDIF	5.3.0		N3	TEI
29.061	103	1	Rel-6	В	NP-040085	N3-040114	revised	IMEISV Passed on the Gi Interface	5.8.0		N3	TEI
03.16	A046	2	R98	F	NP-040044	N4-040334	approved	Correction to SS data for LCS SS	7.6.0	7.7.0	N4	LCS
09.02	A340	2	R98	F	NP-040044	N4-040329	approved	Correction to Insert Subscriber Data message for LCS SS	7.14.0	7.15.0	N4	LCS
23.003	085	1	Rel-6	В	NP-040058	N4-040289	approved	Addition of WLAN access identities	6.1.0	6.2.0	N4	WLAN
23.003	087	-	Rel-6	В	NP-040056	N4-040250	approved	Introduction of Presence Stage 3 (Ph, Pc and Pg) to the MAP interface	6.1.0	6.2.0	N4	PRESENC

Spec	CR	Rev	Phase	Cat	Plenary doc	WG doc	TSG status	Subject	O_Ver	N_Ver	WG	Workitem
23.007	008	3	Rel-6	С	NP-040060	N4-040317	approved	Change of Restart Counter definition for enhanced GTP	5.1.0	6.0.0	N4	GTP enhancement
23.008	129	-	Rel-6	В	NP-040149	N4-040162	approved	Inclusion of Access Restriction Data parameter	6.0.0	6.1.0	N4	TEI-6
23.012	014	1	Rel-6	В	NP-040149	N4-040283	approved	Include administrative restriction subscription parameter	5.2.0	6.0.0	N4	TEI-6
23.016	031	2	R99	A	NP-040044	N4-040335	approved	Correction to SS data for LCS SS	3.9.0	3.10.0	N4	LCS
23.016	032	2	Rel-4	A	NP-040044	N4-040336	approved	Correction to SS data for LCS SS	4.3.0	4.4.0	N4	LCS
23.016	033	2	Rel-5	Α	NP-040044	N4-040337	approved	Correction to SS data for LCS SS	5.2.0	5.3.0	N4	LCS
23.016	034	2	Rel-6	Α	NP-040044	N4-040338	approved	Correction to SS data for LCS SS	6.0.0	6.1.0	N4	LCS
23.016	035	1	Rel-6	В	NP-040149	-	approved	Include administrative restriction subscription parameter	6.0.0	6.1.0	N4	TEI-6
23.018	134	1	Rel-5	F	NP-040139	N4-040024	approved	Incorrect implementation of CR 133	5.8.0	5.9.0	N4	SCUDIF
23.018	135	1	Rel-6	Α	NP-040139	N4-040025	approved	Incorrect implementation of CR 133	6.1.0	6.2.0	N4	SCUDIF
23.018	136	1	Rel-5	F	NP-040049	N4-040269	approved	Default Basic Service for gsmSCF-initiated calls	5.8.0	5.9.0	N4	CAMEL4
23.018	137	-	Rel-6	Α	NP-040049	N4-040187	approved	Default Basic Service for gsmSCF-initiated calls	6.1.0	6.2.0	N4	CAMEL4
23.153	068	5	Rel-5	F	NP-040053	N4-040361	approved	Codec Modification/ Mid-Call Codec Negotiation after Inter- MSC Relocation	5.6.0	5.7.0	N4	OoBTC
23.153	069	4	Rel-5	F	NP-040053	N4-040304	approved	Correction of Inter-MSC SRSN Relocation procedure	5.6.0	5.7.0	N4	OoBTC
23.205	050	1	Rel-5	F	NP-040052	N4-040355	approved	Renaming of the Available Codecs List to Iu Supported Codecs	5.6.0	5.7.0	N4	TEI-5
24.030	015	_	Rel-6	F	NP-040052	N4-040333	approved	List Removal of R-GMLC Address	6.0.0	6.1.0	N4	LCS2
24.030	016	_	Rel-6	В	NP-040059	N4-040197	approved		6.0.0	6.1.0	N4	LCS2
24.030	033	1	Rel-6	В	NP-040059	N4-040321	approved approved	MO-LR Service Identity support in TS 24.030 MO-LR Service Identity support in TS 24.080	6.0.0	6.1.0	N4 N4	LCS2 LCS2
24.080	034	_	Rel-6	F	NP-040059	N4-040198	approved	Removal of R-GMLC Address	6.0.0	6.1.0	N4	LCS2
29.002	667	4	Rel-5	F	NP-040053	N4-040309	approved	Codec Modification/ Mid-Call Codec Negotiation after Inter- MSC Relocation	5.8.0	5.9.0	N4	OoBTC
29.002	668	3	Rel-6	A	NP-040053	N4-040310	approved	Codec Modification/ Mid-Call Codec Negotiation after Inter- MSC Relocation	6.4.0	6.5.0	N4	OoBTC
29.002	669	3	Rel-5	F	NP-040053	N4-040192	approved	Correction of Inter-MSC SRSN Relocation procedure	5.8.0	5.9.0	N4	OoBTC
29.002	670	3	Rel-6	Α	NP-040053	N4-040193	approved	Correction of Inter-MSC SRSN Relocation procedure	6.4.0	6.5.0	N4	OoBTC
29.002	701	3	Rel-6	В	NP-040056	N4-040249	approved	Introduction of Presence Stage 3 (Ph, Pc and Pg) to the MAP interface	6.4.0	6.5.0	N4	PRESENC
29.002	705	2	R99	Α	NP-040044	N4-040330	approved	Correction to Insert Subscriber Data message for LCS SS	3.18.0	3.19.0	N4	LCS
29.002	706	2	Rel-4	Α	NP-040044	N4-040331	approved	Correction to Insert Subscriber Data message for LCS SS	4.13.0	4.14.0	N4	LCS
29.002	707	2	Rel-5	Α	NP-040044	N4-040332	approved	Correction to Insert Subscriber Data message for LCS SS	5.8.0	5.9.0	N4	LCS
29.002	708	2	Rel-6	Α	NP-040044	N4-040333	approved	Correction to Insert Subscriber Data message for LCS SS	6.4.0	6.5.0	N4	LCS
29.002	709	1	Rel-6	F	NP-040061	N4-040328	approved	SCCP segmentation for Inter-PLMN MAP messages	6.4.0	6.5.0	N4	TEI-6
29.002	710	2	Rel-5	F	NP-040050	N4-040326	approved	Inclusion of UTRAN Positioning Data parameter	5.8.0	5.9.0	N4	LCS2
29.002	711	2	Rel-6	Α	NP-040050	N4-040327	approved	Inclusion of UTRAN Positioning Data parameter	6.4.0	6.5.0	N4	LCS2

Spec	CR	Rev	Phase	Cat	Plenary doc	WG doc	TSG status	Subject	O_Ver	N_Ver	WG	Workitem
29.002	717	1	Rel-6	В	NP-040149	N4-040284	approved	Include administrative restriction subscription parameter	6.4.0	6.5.0	N4	TEI-6
29.002	719	2	Rel-5	F	NP-040139	N4-040339	approved	Add new Unvailability cause for SCUDIF	5.8.0	5.9.0	N4	SCUDIF
29.002	720	2	Rel-6	Α	NP-040139	N4-040340	approved	Add new Unvailability cause for SCUDIF	6.4.0	6.5.0	N4	SCUDIF
29.002	721	-	Rel-6	F	NP-040061	N4-040171	approved	CR implemented by fault	6.4.0	6.5.0	N4	TEI-6
29.002	724	-	Rel-6	F	NP-040059	N4-040182	approved	Removal of R-GMLC Address	6.4.0	6.5.0	N4	LCS2
29.002	725	1	Rel-6	В	NP-040059	N4-040322	approved	MO-LR Service Identity support in TS 29.002	6.4.0	6.5.0	N4	LCS2
29.002	726	1	Rel-6	В	NP-040070	N4-040267	approved	CAMEL4 SCUDIF notification during active call for prepay	6.4.0	6.5.0	N4	SCCAMEL
29.010	097	1	R99	F	NP-040132	N4-040256	approved	Correction of Inter System Handover cause mapping	3.11.0	3.12.0	N4	Handover
29.010	098	1	Rel-4	Α	NP-040132	N4-040257	approved	Correction of Inter System Handover cause mapping	4.7.0	4.8.0	N4	Handover
29.010	099	1	Rel-5	Α	NP-040132	N4-040258	approved	Correction of Inter System Handover cause mapping	5.5.0	5.6.0	N4	Handover
29.010	100	1	Rel-6	Α	NP-040132	N4-040259	approved	Correction of Inter System Handover cause mapping	6.1.0	6.2.0	N4	Handover
29.010	101	1	Rel-6	F	NP-040149	N4-040285	approved	Include administrative restriction subscription parameter	6.1.0	6.2.0	N4	TEI-6
29.010	102	2	Rel-5	F	NP-040054	N4-040357	approved	Change to cause code mappings	5.5.0	5.6.0	N4	Handover
29.010	103	2	Rel-6	Α	NP-040054	N4-040356	approved	Change to cause c ode mappings for Service Based/Load based handover	6.1.0	6.2.0	N4	Handover
29.060	431	3	Rel-6	С	NP-040060	N4-040316	approved	Enhancement of Recovery IE to reduce number of dangling PDP	6.3.0	6.4.0	N4	GTP enhancement
29.060	465	2	Rel-6	В	NP-040060	N4-040233	approved	Controlling the creation of multiple, concurrent PDP Contexts	6.3.0	6.4.0	N4	TEI-6
29.060	480	1	Rel-6	В	NP-040057	N4-040255	approved	Introduction of the MBMS Support Indication extension header	6.3.0	6.4.0	N4	MBMS
29.060	481	2	Rel-6	D	NP-040060	N4-040319	approved	Clarification in the definition of the QoS Profile IE encoding	6.3.0	6.4.0	N4	TEI-6
29.060	482	1	Rel-6	A	NP-040069	N4-040312	approved	PDCP and GTP-U sequence numbers received in the PDP Context information element inside SGSN Context Response message.	6.3.0	6.4.0	N4	TEI
29.060	483	-	Rel-6	F	NP-040060	N4-040093	approved	Correction to length field of the Common Flags IE	6.3.0	6.4.0	N4	TEI-6
29.060	484	-	Rel-6	F	NP-040057	N4-040155	approved	Change to the definition of GTP Tunnel for MBMS	6.3.0	6.4.0	N4	MBMS
29.060	485	-	Rel-6	F	NP-040057	N4-040156	approved	Removal of the GGSN address for Control Plane in the Delete MBMS Context Request	6.3.0	6.4.0	N4	MBMS
29.060	489	-	Rel-5	Α	NP-040069	N4-040313	approved	PDCP and GTP U sequence numbers received in the PDP Context information element inside SGSN Context Response message.	5.8.0	5.9.0	N4	TEI
29.060	490	-	Rel-4	Α	NP-040069	N4-040314	approved	PDCP and GTP U sequence numbers received in the PDP Context information element inside SGSN Context Response message.	4.10.0	4.11.0	N4	TEI
29.060	491	_	R99	F	NP-040069	N4-040315	approved	PDCP and GTP U sequence numbers received in the PDP Context information element inside SGSN Context Response message.	3.18.0	3.19.0	N4	TEI
29.228	076	1	Rel-5	F	NP-040046	N4-040270	approved	Clarification on S-CSCF-Name comparism	5.6.0	5.7.0	N4	IMS-CCR
29.228	077	1	Rel-6	Α	NP-040046	N4-040271	approved	Clarification on S-CSCF-Name comparism	6.1.0	6.2.0	N4	IMS-CCR

Spec	CR	Rev	Phase	Cat	Plenary doc	WG doc	TSG status	Subject	O_Ver	N_Ver	WG	Workitem
29.228	081	-	Rel-6	Α	NP-040055	N4-040074	approved	Error for missing identification in SAR command	6.1.0	6.2.0	N4	TEI-5
29.228	084	1	Rel-5	F	NP-040046	N4-040281	approved	Conditions for inclusion of Public Identity in SAR	5.6.0	5.7.0	N4	TEI-5
29.228	085	1	Rel-6	Α	NP-040046	N4-040282	approved	Conditions for inclusion of Public Identity in SAR	6.1.0	6.2.0	N4	TEI-5
29.228	086	1	Rel-5	F	NP-040046	N4-040342	approved	Correction to sending the Charging-Information AVP	5.6.0	5.7.0	N4	IMS-CCR
29.228	087	1	Rel-6	Α	NP-040046	N4-040343	approved	Correction to sending the Charging-Information AVP	6.1.0	6.2.0	N4	IMS-CCR
29.228	088	-	Rel-5	F	NP-040046	N4-040112	approved	Correction to User-Authorization-Answer	5.6.0	5.7.0	N4	IMS-CCR
29.228	089	-	Rel-6	Α	NP-040046	N4-040113	approved	Correction to User-Authorization-Answer	6.1.0	6.2.0	N4	IMS-CCR
29.228	090	-	Rel-5	F	NP-040046	N4-040272	approved	Default handling of error cases during IMS registration	5.6.0	5.7.0	N4	IMS-CCR
29.228	091	-	Rel-6	Α	NP-040046	N4-040273	approved	Default handling of error cases during IMS registration	6.1.0	6.2.0	N4	IMS-CCR
29.229	035	-	Rel-6	F	NP-040055	N4-040274	approved	Error for missing identification in SAR command	5.6.0	6.0.0	N4	TEI-6
29.232	061	-	Rel-5	F	NP-040052	N4-040185	approved	Addition of Package Id for CTM	5.6.0	5.7.0	N4	TEI-5
29.328	036	2	Rel-6	В	NP-040055	N4-040120	approved	Dh interface	6.0.0	6.1.0	N4	IMS2-CCR
29.328	043	2	Rel-6	F	NP-040055	N4-040344	approved	Clarification of the AS Permissions List and its relevance to table 7.6.1	6.0.0	6.1.0	N4	TEI-6
29.328	044	3	Rel-5	F	NP-040135	-	approved	Clarification of which Public Identities are downloaded	5.6.0	5.7.0	N4	IMS-CCR
29.328	045	3	Rel-6	Α	NP-040135	-	approved	Clarification of which Public Identities are downloaded	6.0.0	6.1.0	N4	IMS-CCR
29.329	031	1	Rel-5	F	NP-040135	-	approved	Add MSISDN to set of Data that may be downloaded	5.4.1	5.5.0	N4	IMS-CCR
29.329	032	3	Rel-6	С	NP-040135	-	approved	Introduction of 'Identity-Set' AVP	5.4.1	6.0.0	N4	IMS-CCR
23.003	085	-	Rel-6	В	NP-040105	N4-040289	withdrawn	WLAN access parameters moved from TS 24.234 to TS 23.003	6.1.0		N4	WLAN
23.008	129	-	Rel-6	В	NP-040120	N4-040162	withdrawn	Inclusion of Access_Restriction_Data parameter	6.0.0		N4	TEI-6
23.008	129	-	Rel-6	В	NP-040097	N4-040162	withdrawn	Inclusion of Access_Restriction_Data parameter	6.0.0		N4	TEI-6
23.008	130	2	Rel-6	В	NP-040103	-	revised	Add IMEISV to 'data stored in the HLR' due to ADD function	6.0.0		N4	TEI-6
23.008	130	3	Rel-6	В	NP-040124	-	rejected	Add IMEISV to 'data stored in the HLR' due to ADD function	6.0.0		N4	TEI-6
23.012	014	1	Rel-6	В	NP-040120	N4-040283	withdrawn	Include administrative restriction subscription parameter	5.2.0		N4	TEI-6
23.012	014	1	Rel-6	В	NP-040097	N4-040283	withdrawn	Include administrative restriction subscription parameter	5.2.0		N4	TEI-6
23.012	015	2	Rel-6	В	NP-040100	-	revised	Addition of ADD feature	5.2.0		N4	TEI-6
23.012	015	3	Rel-6	В	NP-040121	-	revised	Addition of ADD feature	5.2.0		N4	TEI-6
23.012	015	4	Rel-6	В	NP-040140	-	rejected	Addition of ADD feature	5.2.0		N4	TEI-6
23.016	035	-	Rel-6	В	NP-040097	N4-040164	withdrawn	Include administrative restriction subscription parameter	6.0.0		N4	TEI-6
23.016	035	-	Rel-6	В	NP-040120	N4-040164	revised	Include administrative restriction subscription parameter	6.0.0		N4	TEI-6
23.018	134	-	Rel-5	F	NP-040051	N4-040024	revised	Incorrect implementation of CR 133	5.8.0		N4	SCUDIF
23.018	135	-	Rel-6	Α	NP-040051	N4-040025	revised	Incorrect implementation of CR 133	6.1.0		N4	SCUDIF
29.002	717	1	Rel-6	В	NP-040097	N4-040284	withdrawn	Include administrative restriction subscription parameter	6.4.0		N4	TEI-6
29.002	717	1	Rel-6	В	NP-040120	N4-040284	withdrawn	Include administrative restriction subscription parameter	6.4.0		N4	TEI-6
29.002	718	2	Rel-6	В	NP-040101	-	revised	Addition of IMEISV to Update Location Procedure for ADD function	6.4.0		N4	TEI-6

Spec	CR	Rev	Phase	Cat	Plenary doc	WG doc	TSG status	Subject	O_Ver	N_Ver	WG	Workitem
29.002	718	3	Rel-6	В	NP-040122	-	rejected	Addition of IMEISV to Update Location Procedure for ADD function	6.4.0		N4	TEI-6
29.002	719	1	Rel-5	F	NP-040051	N4-040339	revised	Add new Unvailability cause for SCUDIF	5.8.0		N4	TEI-5
29.002	720	1	Rel-6	Α	NP-040051	N4-040340	revised	Add new Unvailability cause for SCUDIF	6.4.0		N4	TEI-5
29.010	097	1	R99	F	NP-040045	N4-040256	revised	Correction of Inter System Handover cause mapping	3.11.0		N4	Handover
29.010	098	1	Rel-4	Α	NP-040045	N4-040257	revised	Correction of Inter System Handover cause mapping	4.7.0		N4	Handover
29.010	099	1	Rel-5	Α	NP-040045	N4-040258	revised	Correction of Inter System Handover cause mapping	5.5.0		N4	Handover
29.010	100	1	Rel-6	Α	NP-040045	N4-040259	revised	Correction of Inter System Handover cause mapping	6.1.0		N4	Handover
29.010	101	1	Rel-6	F	NP-040120	N4-040285	withdrawn	Include administrative restriction subscription parameter	6.1.0		N4	TEI-6
29.010	101	1	Rel-6	F	NP-040097	N4-040285	withdrawn	Include administrative restriction subscription parameter	6.1.0		N4	TEI-6
29.060	488	-	Rel-6	F	NP-040104	-	revised	Automatic Device Detection (ADD) support in Inter-SGSN Routing Area Update procedures	6.3.0		N4	TEI-6
29.060	488	1	Rel-6	F	NP-040125	-	rejected	Automatic Device Detection (ADD) support in Inter-SGSN Routing Area Update procedures	6.3.0		N4	TEI-6
29.328	044	2	Rel-5	F	NP-040047	N4-040358	revised	Clarification of which Public Identities are downloaded	5.6.0		N4	TEI-5
29.328	045	2	Rel-6	Α	NP-040047	N4-040359	revised	Clarification of which Public Identities are downloaded	6.0.0		N4	TEI-5
29.329	031	-	Rel-5	F	NP-040047	N4-040104	revised	Add MSISDN to set of Data that may be downloaded	5.4.1		N4	TEI-5
29.329	032	2	Rel-6	С	NP-040047	N4-040364	revised	Introduction of 'Identity-Set' AVP	5.4.1		N4	TEI-6

For latest details please see the 3GPP specifications database at ftp://ftp.3gpp.org/Information/Databases/Spec_Status/

ANNEX B Tdoc List

Tdoc	Ag.	Туре	Tdoc Title	Source	Status
NP-040001	2	AGENDA	DRAFT Agenda for CN#23 Meeting	CN Chair	APPROVED
NP-040002	2	DAD	Proposed allocation of documents to agenda items for TSG-CN Plenary Meeting #23: beginning of day	CN vice-chairman	NOTED
NP-040003	2	DAD	Proposed allocation of documents to agenda items for TSG-CN Plenary Meeting #23: end of day 1	CN vice-chairman	NOTED
NP-040004	2	DAD	Proposed allocation of documents to agenda items for TSG-CN Plenary Meeting #23: end of day 2	CN vice-chairman	NOTED
NP-040005	2	DAD	Proposed allocation of documents to agenda items for TSG-CN Plenary Meeting #23: end of day 4	CN vice-chairman	NOTED
NP-040007	4.1	REPORT	Draft Meeting Report from CN#22	MCC	APPROVED
NP-040008	12	WORK PLAN	Latest version of 3GPP Workplan	MCC, Alain Sultan	NOTED
NP-040009	12	WORK PLAN	Latest version of 3GPP Workplan (SLIDES)	MCC, Alain Sultan	REVISED TO 0153
NP-040010	12	REPORT	Overview of Release 99 Contents	MCC, Alain Sultan	NOTED
NP-040011	12	REPORT	Overview of Rel-4 Contents	MCC, Alain Sultan	NOTED
NP-040012	5.1	LS IN	IMS messaging, Group management and Presence work overlap between 3GPP and OMA [N1-040469]	CN1	NOTED
NP-040013	5.1	LS IN	CAMEL prepay: IP version of the GGSN address [N2-040171]	CN2	NOTED
NP-040014	5.1	LS IN	Relationship between 3GPP and Liberty Alliance related to GUP work [N4 -040262]	CN4	NOTED
NP-040015	5.1	LS IN	Routing of Emergency Calls based on Geographical Coordinates [N4-040354]	CN4	NOTED
NP-040016	5.1	LS IN	background scan requirements [N1-040444]	CN1	NOTED
NP-040017	5.1	LS IN	Technical Report on Mobility between H.323 Multimedia Systems and GPRS/IMT2000 Networks	CN1	NOTED
NP-040018	5.3	LS IN	IN1_0404711 SG 11 on Signalling Requirements for IP-QoS [LS05-16]	ITU-T	NOTED
NP-040019	5.2	LS IN	IMS messaging, Group management and Presence work overlap between 3GPP and OMA [S2-041050]	SA2	NOTED
NP-040020	6.1.1	REPORT	Status Report for TSG CN WG1	CN1 Chair	NOTED

Tdoc	Ag.	Туре	Tdoc Title	Source	Status
NP-040021	6.1.1	REPORT	CN1#32bis Meeting Report	MCC	NOTED
NP-040022	6.1.1	REPORT	CN1#33 Meeting Report	MCC	NOTED
NP-040023	6.1.1	LS PACK	All LSs sent from CN1 since TSG CN#21 Meeting, CN1#32bis	MCC	NOTED
NP-040024	6.1.1	LS PACK	All LSs sent from CN1 since TSG CN#21 Meeting, CN1#33	MCC	NOTED
NP-040025	7.11	CR PACK	CR to R99 (with mirror CRs) on Work Item TEI towards 24.008	CN1	APPROVED
NP-040026	8.1	CR PACK	CRs to Rel-5 on Work Item IMS-CCR towards 24.228	CN1	PARTIALLY APPROVED
NP-040027	8.1	CR PACK	CRs to Rel-5 (with mirror CRs) on Work Item IMS-CCR towards 24.229,- pack 1	CN1	APPROVED
NP-040028	8.1	CR PACK	CR to Rel-5 (with mirror CR) on Work Item IMS- CCR towards 24.229,- pack 2	CN1	REFERRED BACK TO WG
NP-040029	8.1	CR PACK	CRs to Rel-5 (with mirror CRs) on Work Item IMS- CCR towards 24.229,- pack 3	CN1	PARTIALLY APPROVED
NP-040030	8.8	CR PACK	CR to Rel-5 (with mirror CR) on Work Item TEI5 towards 24.008	CN1	PARTIALLY APPROVED
NP-040031	8.8	CR PACK	CR to Rel-5 on Work Item TEI5 (originally as TRFO-OOBTC) towards 23.009	CN1	APPROVED
NP-040032	9.1	CR PACK	CRs to Rel-6 on Work Item IMS2 towards 24.229 and 23.218	CN1	APPROVED
NP-040033	9.1	CR PACK	CRs to Rel-6 on Work Item IMS2 towards 24.229	CN1	PARTIALLY APPROVED
NP-040034	9.1	WID	IMS Stage-3 Enhancements	CN1	APPROVED
NP-040035	9.11	CR PACK	CR to Rel-6 on Work Item IMSCOOP towards 24.229	CN1	APPROVED
NP-040036	9.20	WID	Network Sharing Stage 3	CN1	APPROVED
NP-040037	9.22	CR PACK	CRs to Rel-6 on Work Item TEI6 towards 23.122	CN1	APPROVED
NP-040038	9.22	CR PACK	CRs to Rel-6 on Work Item TEI6 towards 24.008	CN1	APPROVED
NP-040039	8.1	CR	Missing statements regarding P-Charging-Function- Addresses	Nokia	REJECTED
NP-040040	8.1	CR	Missing statements regarding P-Charging-Function- Addresses	Nokia	REJECTED

Tdoc	Ag.	Туре	Tdoc Title	Source	Status
NP-040041	6.4.1	REPORT	Status Report for TSG CN WG4	CN4 Chair	NOTED
NP-040042	6.4.1	REPORT	CN4#22 Meeting Report	MCC	NOTED
NP-040043	6.4.1	LS PACK	All LSs sent from CN4 since TSG CN#22 Meeting	MCC	NOTED
NP-040044	7.4	CR PACK	CRs to Rel-4 on Work Item Location Service Enhancement	CN4	APPROVED
NP-040045	7.5	CR PACK	CRs to R99 on Work Item Small Technical Enhancements and Improvements	CN4	REVISED TO 0132
NP-040046	8.1	CR PACK	CRs to Rel-5 on Work Item IP-based multimedia services Cx-/Dx-interface	CN4	APPROVED
NP-040047	8.1	CR PACK	CRs to Rel-5 on Work Item IP-based multimedia services Sh-interface	CN4	REVISED TO 0135
NP-040048	8.1	CR PACK	CRs to Rel-5 on Work Item IP-based multimedia services Cx-/Dx-interface	CN4	WITHDRAWN
NP-040049	8.3	CR PACK	CRs to Rel-5 on Work Camel 4	CN4	APPROVED
NP-040050	8.4	CR PACK	CRs to Rel-5 on Work Item Location Services	CN4	APPROVED
NP-040051	8.7	CR PACK	CRs to Rel-5 on Work Item SCUDIF	CN4	REVISED TO 0139
NP-040052	8.8	CR PACK	CRs to Rel-5 on Work Item small Technical Enhancements and Improvements on CSSPLIT	CN4	APPROVED
NP-040053	8.8	CR PACK	CRs to Rel-5 on Work Item small Technical Enhancements and Improvements on TrFO	CN4	APPROVED
NP-040054	8.8	CR PACK	CRs to Rel-5 on Work Item small Technical Enhancements and Improvements on Handover	CN4	APPROVED
NP-040055	9.1	CR PACK	CRs to Rel-6 on Work Item IP-based multimedia services	CN4	APPROVED
NP-040056	9.2	CR PACK	CRs to Rel-6 on Work Item Support of Presence Capability	CN4	APPROVED
NP-040057	9.8	CR PACK	CRs to Rel-6 on Work Item Multimedia Broadcast and Multicast Service	CN4	APPROVED
NP-040058	9.18	CR PACK	CR to Rel-6 on WLAN	CN4	APPROVED
NP-040059	9.19	CR PACK	CRs to Rel-6 on Work Item Location Service Enhancements	CN4	APPROVED
NP-040060	9.22	CR PACK	MAP CR to Rel-6 on Work Item small Technical Enhancements and Improvements on GPRS	CN4	APPROVED

Tdoc	Ag.	Туре	Tdoc Title	Source	Status
NP-040061	9.22	CR PACK	CRs to Rel-6 on Work Item small Technical Enhancements and Improvements on MAP	CN4	APPROVED
NP-040062	9.22	WID	Work Item Description on Trace Management, stage3, network	CN4	REVISED TO 0146
NP-040063	6.5.1	REPORT	Chair's report from CN5 (slide presentation)	CN5 Chair	NOTED
NP-040064	6.5.1	LS PACK	LSs outgoing from CN5 between CN#22 and CN#23	CN5	NOTED
NP-040065	6.5.1	REPORT	Report of CN5#25bis, Sophia Antipolis, FRANCE, 29-30 Jan 2004	CN5	NOTED
NP-040066	6.5.1	REPORT	Draft Report of CN5#26, Atlanta, USA, 16-20 Feb 2004	CN5 Chair	NOTED
NP-040067	6.5.1	ToR	Draft update of CN5 Terms of Reference	CN5	APPROVED
NP-040068	9.7	WID	Draft update of Rel-6 Work Item Description for OSA Stage 3 (Update of CN#22-approved NP-030558)	CN5	REVISED TO 0144
NP-040069	7.3	CR PACK	CRs to R99 on Work Item GPRS	CN4	APPROVED
NP-040070	9.23	CR PACK	CRs to Rel-6 on Work Item Camel SCUDIF	CN4	APPROVED
NP-040071	5.2	LS IN	IMS messaging, Group management and Presence work overlap between 3GPP and OMA [S3-040185]	SA3	NOTED
NP-040072	5.2	LS IN	IMS messaging, Group management and Presence work overlap between 3GPP and OMA [S1-040253]	SA1	NOTED
NP-040073	5.2	LS IN	Technical Report on Mobility between H.323 Multimedia Systems and GPRS/IMT2000 Networks IS2-0410541	SA2	NOTED
NP-040074	5.2	LS IN	latest version of 23.241 and proposed work assignments [T2-040100]	T2	NOTED
NP-040075	9.6	DISCUSSION DOC	3GPP Working with Liberty Alliance	Nortel Networks	NOTED
NP-040076	5.3	DISCUSSION DOC	3GPP Working with ETSI TISPAN	Nortel Networks	NOTED
NP-040077	6.3.1	REPORT	Status Report for TSG CN WG3	CN3 Chair	REVISED TO 0119
NP-040078	6.3.1	REPORT	CN3#31 Meeting Report	MCC	NOTED
NP-040079	6.3.1	LS PACK	All LSs sent from CN3 since TSG CN#22 Meeting	MCC	NOTED
NP-040080	8.5	CR PACK	CRs to Rel-5 on Work Item e2eQoS[067, 132, 116, 117, 131]	CN3	APPROVED

Tdoc	Ag.	Туре	Tdoc Title	Source	Status
NP-040081	8.7	CR PACK	CRs to Rel-5 on Work Item SCUDIF[091, 119, 120]	CN3	APPROVED
NP-040082	8.8	CR PACK	CRs to Rel-5 on Work Item TEI_5 [024]	CN3	APPROVED
NP-040083	9.13	CR PACK	CRs to Rel-6 on Work Item IMS-CS-IW [095, 097, 121, 122, 123, 124]	CN3	APPROVED
NP-040084	9.17	CR PACK	CRs to Rel-6 on Work Item Mn i/f [125]	CN3	APPROVED
NP-040085	9.22	CR PACK	CRs to Rel-6 on Work Item TEI_6 [114]	CN3	REVISED TO 0148
NP-040086	9.22	CR PACK	CRs to Rel-6 on Work Item TEI_6 [115]	CN3	REVISED TO 0147
NP-040087	6.2.1	REPORT	CN2 Status Report to CN Plenary	CN2 Chair	NOTED
NP-040088	6.2.1	REPORT	CN2#32 Draft Meeting report	CN2	NOTED
NP-040089	6.2.1	LS PACK	LSs sent from CN2 since CN#22	CN2	NOTED
NP-040090	7.1	CR PACK	CRs to R99 WI CAMEL3	CN2	PARTIALLY APPROVED
NP-040091	8.3	CR PACK	CRs to Rel-5 WI CAMEL4	CN2	REVISED TO 0109
NP-040092	8.3	CR Pack	CRs to Rel-5 WI CAMEL4	CN2	REVISED TO 0110
NP-040093	8.3	CR PACK	CRs to Rel-5 WI CAMEL4	CN2	REVISED TO 0111
NP-040094	9.14	CR PACK	CRs to Rel-5 WI EDCAMEL	CN2	PARTIALLY APPROVED
NP-040095	9.14	CR PACK	CR to Rel-5 WI SCCAMEL	CN2	APPROVED
NP-040096	8.3	CR PACK	CR to Rel-5 WI CAMEL4	CN2	APPROVED
NP-040097	9.22	CR PACK	CRs to Rel-6 on Work Item small Technical Enhancements and Improvements on Access	CN4	WITHDRAWN
NP-040098	9.22	DISCUSSION DOC	Use of the Radio Access Technology (RAT) during background scanning	O2	NOTED
NP-040099	8.8	CR	Handling of key sets	Ericsson, Siemens	APPROVED
NP-040100	9.22	CR	Addition of ADD feature	Ericsson	REVISED TO 0121

Tdoc	Ag.	Туре	Tdoc Title	Source	Status
NP-040101	9.22	CR	Addition of IMEISV to Update Location Procedure for ADD function	Ericsson	REVISED TO 0122
NP-040102	9.22	CR	Addition of IMEISV to Update Location Procedure for ADD function	Ericsson	REVISED TO 0123
NP-040103	9.22	CR	Add IMEISV to 'data stored in the HLR' due to ADD function	Ericsson	REVISED TO 0124
NP-040104	9.22	CR	Automatic Device Detection (ADD) support in Inter- SGSN Routing Area Update procedures	Ericsson	REVISED TO 0125
NP-040105	5.1	LS IN	WLAN UE identity format and resolution [N4-040290]	CN4	NOTED
NP-040106	6.6	REPORT	Status Report from ITU	CN chair	NOTED
NP-040107	4.3	REPORT	Status Report from IET F	CN chair	NOTED
NP-040108	9.1	CR	Determination of S-CSCF role	Lucent Technologies / Keith Drage	APPROVED
NP-040109	8.3	CR PACK	CRs to Rel-5 WI CAMEL4	CN2	REVISED TO 0136
NP-040110	8.3	CR PACK	CRs to Rel-5 WI CAMEL4	CN2	REVISED TO 0137
NP-040111	9.14	CR PACK	CRs to Rel-5 WI EDCAMEL	CN2	REVISED TO 0138
NP-040112	11	LIST	CRs to lists of specs	MCC,JMM	NOTED
NP-040113	11	DISCUSSION DOC	Make 21.801 Release-independent	MCC,JMM	NOTED
NP-040114	11	LIST	status list before	MCC,JMM	NOTED
NP-040115	10.4	WID	Revision to WID template	MCC,JMM	NOTED
NP-040116	9.22	DISCUSSION DOC	Issues relating to use of RAT in the periodic PLMN scan	Motorola	NOTED
NP-040117	5.3	LS IN	Request for close cooperation on future NGN Standardisation	TISPAN	NOTED
NP-040118	9.18	DISCUSSION DOC	Proposal to use Diameter on the PDG Wi and the GGSN Gi interfaces	T-mobile	NOTED
NP-040119	6.3.1	REPORT	Status Report for TSG CN WG3	CN3 Chair	NOTED
NP-040120	9.22	CR PACK	CRs to Rel-6 on Work Item small Technical Enhancements and Improvements on Access	CN4	REVISED TO 0149

Tdoc	Ag.	Туре	Tdoc Title	Source	Status
NP-040121	9.22	CR	Addition of ADD feature	Ericsson	REVISED TO 0140
NP-040122	9.22	CR	Addition of IMEISV to Update Location Procedure for ADD function	Ericsson	REFERRED TO WGs FOR
NP-040123	9.22	CR	Addition of IMEISV to Update Location Procedure for ADD function	Ericsson	FURTHER REFERRED TO WGs FOR FURTHER
NP-040124	9.22	CR	Add IMEISV to 'data stored in the HLR' due to ADD function	Ericsson	REFERRED TO WGs FOR
NP-040125	9.22	CR	Automatic Device Detection (ADD) support in Inter- SGSN Routing Area Update procedures	Ericsson	FURTHER REFERRED TO WGs FOR
NP-040126	5.3	LS OUT	CN position on TISPAN	CN	REVISED TO 0151
NP-040127	5.3	LS IN	LS to 3GPP on 2G/3G subscriber distinction and roaming restriction [ireg46_089]	GSMA IREG	NOTED
NP-040128	5.3	LS IN	LS to 3GPP 3gppnetwork.org domain management [ireg46_075]	GSMA IREG	NOTED
NP-040129	6.1.2	REPORT	Conclusions from the RAT discussions	RAT group	NOTED
NP-040130	10.5	CALENDAR	2004/5 Meeting schedule	MCC	NOTED
NP-040131	7.1	CR	GPRS ODB reporting to CAMEL SCP	CN2	APPROVED
NP-040132	7.5	CR PACK	CRs to R99 on Work Item Small Technical Enhancements and Improvements	CN4	APPROVED
NP-040133	9.6	LS OUT	LS on collaboration between 3GPP and Liberty Alliance	CN Chair	REVISED TO 0143
NP-040134	8.1	CR PACK	Two CRs to Rel-5 (with mirror CRs) on Work Item IMS-CCR towards 24.229	CN1	APPROVED
NP-040135	8.1	CR PACK	CRs to Rel-5 on Work Item IP-based multimedia services Sh-interface	CN4	APPROVED
NP-040136	8.3	CR PACK	CRs to Rel-5 WI CAMEL4	CN2	APPROVED
NP-040137	8.3	CR PACK	CRs to Rel-5 WI CAMEL4	CN2	APPROVED
NP-040138	9.14	CR PACK	CRs to Rel-5 WI EDCAMEL	CN2	APPROVED
NP-040139	8.7	CR PACK	CRs to Rel-5 on Work Item SCUDIF	CN4	APPROVED
NP-040140	9.22	CR	Addition of ADD feature	Ericsson	REFERRED TO WGs FOR

Tdoc	Ag.	Туре	Tdoc Title	Source	Status
NP-040141	5.3	LS IN	Response to LS on WLAN UE identity format and resolution [ireg47_005]	GSMA IREG	NOTED
NP-040142	5.3	LS IN	LS to 3GPP on IPv4/v6 IMS roaming and interworking [ireg47_006]	GSMA IREG	NOTED
NP-040143	9.6	LS OUT	LS on Collaboration between 3GPP and Liberty Alliance Project	CN Chair	APPROVED
NP-040144	9.7	WID	Draft update of Rel-6 Work Item Description for OSA Stage 3 (Update of CN#22-approved NP-	CN5	APPROVED
NP-040145	9.14	CR	CRs to Rel-5 WI EDCAMEL	CN2	APPROVED
NP-040146	9.22	WID	Work Item Description on Trace Management, stage3, network	CN4	APPROVED
NP-040147	9.22	CR PACK	CRs to Rel-6 on Work Item TEI_6 [115]	CN3	CONDITIONA LLY APPROVED
NP-040148	9.22	CR PACK	CRs to Rel-6 on Work Item TEI_6 [114]	CN3	APPROVED
NP-040149	9.22	CR PACK	CRs to Rel-6 on Work Item small Technical Enhancements and Improvements on Access	CN4	APPROVED
NP-040150	6.1.2	LS OUT	LS on PLMN selection and background scan	CN	REVISED TO 0152
NP-040151	5.3	LS OUT	LS on Request for close cooperation on future NGN Standardisation	CN	APPROVED
NP-040152	6.1.2	LS OUT	LS on PLMN selection and background scan	CN	APPROVED
NP-040153	12	WORK PLAN	Latest version of 3GPP Workplan (SLIDES)	MCC, Alain Sultan	NOTED

ANNEX C. TSG CN meeting Participants List

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History

Document History	
UP to 12 th March 2004	DRAFT v001, 002, 003 distributed in meeting. v003 send to TSG CN Officials for comments
16 th March 2004	DRAFT v0.0.4 Presented to TSG-SA#23
24 th March 2004	DRAFT v1.0.0 placed to meeting server and dispatched to the TSG-CN mail exploder for comments.
	Comments to be addressed to:
	Mr. David Boswarthick, 3GPP TSG CN MCC Support MCC - ETSI Secrétariat Tel :+33 (0)4 92 94 42 78
	E-mail: david.boswarthick@ETSI.org
	A deadline of 2 weeks was given to the CN delegates for e-mail comments on the draft report.
	E-mail comments back by 9 th April 2004
June 2004	Final v2.0.0 approved at TSG#24 Meeting – Made version 3.0.0 and placed to server as the official meeting report.