3GPP TSG CN Plenary Meeting #16 **NP-020211**

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Meeting Report

TSG CN WG1# 23
Fort Lauderdale, Florida, USA

08 - 12 April 2002

Chairman: Hannu Hietalahti (Nokia)

Secretary: Per Johan Jorgensen (ETSI/MCC)

Host: The North American Friends of 3GPP

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Documents can be found on the 3GPP-server:

http://www.3gpp.org/ftp/tsg_cn/WG1_mm-cc-sm/TSGN1_23/Docs/

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1 Opening of the meeting. Calls for IPRs

The delegates were welcomed and informed on the logistics. Chairman for SIPadhoc0402 in Madrid is needed as neither Hannu nor vicechair Andrew H. can participate.

IPR rights were asked to be disclosed according to respective organizations IPR policies. Individual Members should declare at the earliest opportunity, any IPRs which they believe to be essential, or potentially essential, to any work ongoing within 3GPP.

2 Agenda and Reports

N1-020673 : CN1 chairman, Title: Agenda (FtLauderdale0204)

Discussion : This will continue as a living document in the doc FtLauderdale0204.

Joint meeting with SA3 (CN1 meeting point 6) will take place Tuesday 09/04 at 09:00 and latest end at 12:30.

763, 767, 859, 860 and 863 are written towards a specification not requested, and therefore the CR#s are wrong and the tdoc needs to be withdrawn or rejected when the tdoc is presented. Then a new tdoc with CR# towards the spec used will be issued if the content progresses to a new tdoc.

740, 741, 742 and 743 is to be moved to agenda item 6 from .7.4. Tdoc 863 is also moved to joint session with SA3,- from 7.3.

Late docs 768 and 748 agreed to be treated.

Conclusion : Agreed

N1-020674 : MCC, Title: DRAFT STATUS REPORT v0.0.2, TSG CN#15

Discussion : Informed for possible reference use during the meeting.

Conclusion : Noted

N1-020675 : MCC, Title: Draft Report for TSG SA meeting #15 - version 0.0.3

Discussion : Highlights regarding CN1 actions were briefly informed. But what to do with checking on the mobile conformance testing specification ? Probably a joint effort from affected companies to work on this off-line, and Andrew Howell from Motorola is the contact point on this work.

Conclusion : Noted, and Andrew Howell from Motorola is the contact point for checking 3GPP TS 34.123

3 Input Liaison Statements

N1-020598 : T2-020254, To: S3, S4, S5, N1, N4, N5, T3, Cc: S1, S2 , Type: LS IN, Title: Liaison Statement on coordination of data definitions, identified in GUP development

Discussion : Forwarded from CN1#22bis. No GUP related contributions to this meeting.

Conclusion: Noted

N1-020679 : R3-020702, To: CN1, Type: LS IN, Title: Liaison Statement on Size of Attach Request message

Discussion : SCCP CONNECTION REQUEST can only carry 130 octets and with max. 52 octets long MS radio access capability in ATTACH REQUEST. Three alternative proposals for R99 correction: (1) reduce the max size of MS RAC, at least when sent over UTRAN. Collision of message encoding and cell re-selection makes this unreliable, so using the same (shorter) max. length for all cases would be better. (2) Limit the scope of MS RAC to GSM / GERAN usage only. (3) Update the RAN documents to carry the max length of the ATTACH REQUEST.

RAN3 have their meeting this same week in Kobe. This problem is also related to RAU request. How soon would a UE support all 8 radio access technologies ? Ask RAN3 to find a solution within their remit rather than changing CN1 specs. The LS will be sent as early as it can be agreed to reach RAN3 meeting in Japan this same week.

Conclusion: LS OUT in 871 by Rouzbeh

N1-020680 : N4-020295, To: SA2, CC: CN1 , Type: LS IN, Title: Response to SA2 on Liaison statement on the transparent transfer via SGSN of application level information between UE and GGSN.

Discussion :

Conclusion: Noted

N1-020681 : N4-020302, To: SA5, SA3, RAN 2, GERAN 2, Cc: RAN3, CN1, Type: LS IN, Title: Response Liaison Statement on Trace and Availability of IMSI and IMEI

Discussion :

Conclusion: Noted

N1-020682 : R2-020595, To: CN1, Type: LS IN, Title: LS on UMTS->GSM handover during signalling phase of CS call setup

Discussion : RAN2 proposes that the CN protocol entity in MS should handle the repetition of a signalling message which was lost due to UMTS -> GSM HO during call setup. The following solutions have been identified:
- UTRAN must handle Dual mode mobiles differently than single mode mobiles by allocating a DCH for signaling connections towards the CS domain. Change to Network.
- Require that the mobile restricts cell reselection when in CELL FACH state and there is a signaling connection towards the CS domain. Note : Change to AS.
- Require mobiles to abort signaling and retry on the newly selected PLMN. Change to NAS.
The problem only exists on FACH and not dedicated channel. The N1 part has a 867 document to this meeting which can be used as base for the discussion. The solution was not found workable as LU during CS call would be impacting architecture, and very late for R99. Upto now no CN1 solution seems possible for the RAN2 question 3, and handling within RAN protocols would be prefered. An LS will be sent as early as it can be agreed to reach RAN2 meeting in Japan this same week.

Conclusion: LS OUT in 872 by Arnaud

N1-020683 : R2-020596, To: CN1, Type: LS IN, Title: Response to LS (N1-011253) on UE behaviour when network fails authentication procedure

Discussion : Clearing of RRC connection and barring the serving cell if the network fails the authentication. N1-020683 (LS) and N1-020703-705 are related, and depending the outcome of these a response will be written.

Conclusion: LS OUT in 873 by Hannu

N1-020684: S1-020472, To: CN1, CN3, GERAN2, CC: SA2, Type: LS IN , Title: Access dependent services and features for GERAN Iu mode

Discussion : SA1 is asking for applicability of UTRAN related services to GERAN Iu mode. Especially HSCSD stage 2 in 23.034 requires CN1 attention. N1-020758 is a reply to N1-020684. Any other services needing CN1 attention ? Multicall for Rel-6 was seen as mainly a GERAN issue and no views were expressed by CN1.
Agreed that HSCSD is applicable for GERAN Iu mode.

Conclusion: LS OUT in 874 by Inmaculada

N1-020685 : S1-020512, To: SA2, CC: CN1, Type: LS IN, Title: Re: LS on IMS number portability

Discussion : SA1 concluded that there are no requirements to identification of portability for release 5. For Release 6 SA1 will work on number portability (TEL URL/ E.164) on IMS, but there are no foreseen requirements to port SIP URLs. Just for information and no comments made in CN1.

Conclusion: Noted.

N1-020686 : S1-020577, To: SA3, T3, CN1, CC: SA2, SA5, Type: LS IN, Title: Liaison Statement on Access to IMS Services using 3GPP release 99 and release 4 UICCs

Discussion : Can CN1 confirm this as workable solution: SA1 would like to inform SA3, T3 and CN1 of a requirement to allow access to IMS services using 3GPP release 99 and release 4 UICCs. LSs N1-020686 and N1-020696. 823 discussion paper is related. Ericsson has contributions on this to SA2 with a possible LS as result for CN1. Possible response on implementation limitations after discussions during this meeting.

Conclusion: LS OUT in 875 by Duncan

N1-020687 : S1-020610, To: CN, CC: CN1, CN3, CN4, Type: LS IN, Title: Liaison Statement on Service change and fallback for UDI/RDI multimedia calls

Discussion : SA1 requires ISUP interworking for SCUDIF. This LS was already seen in TSGN #15.

Conclusion: Noted

N1-020688 : S1-020642, To: SA2, SA3, SA5, CN1, CN4, RAN2, RAN3, T2, T3, Type: LS IN, Title: LS on Priority Service Feasibility Study TR - draft

Discussion : No online review but comments can be recorded, if there are any. SA1 is requesting all recipients to review the draft report on Priority Services Feasibility Study contained in S1-020641 and provide feedback so that the next version of the Priority Service Feasibility Study can be produced. No comments in CN1.

Conclusion: Noted

N1-020689 : S2-020859, To: CN1 CC: T2, Type: LS IN, Title: LS on “sip compression”

Discussion : SA2 said before TSGS #15 that "Support of sip signaling compression and negotiation is mandatory in the UE and P-CSCF. The usage is optional but highly preferable and is subject to operator policies." However, SA plenary subsequently referred this back to SA2.
CN1 do not have negotiation mechanism specified, and other issues may need to be discussed if anything eg. goes against this SA2 decission.

Conclusion: LS OUT in 876 by Mark

N1-020690 : S2-020860, To: RAN3, SA1, RAN, SA, CC: CN4, CN1, GERAN, SA5, Type: LS IN, Title: Response LS on Shared network scenarios considered by TSG-RAN3

Discussion : SA2 comments and questions to RAN3 on shared network scenarios work item. Are there any CN1 issues? If this work shall be completed on any part for Rel-5, a WID is needed for this meeting to identify that work. Some tdocs (722 to 724) to this meeting modifies R99 to Rel-5 on some aspect when a CS call is ongoing when receiving certain cause values.

Conclusion: Noted

N1-020691 : S2-020866, To: CN1, CN3, Type: LS IN, Title: LS on Relation of number of IMS media components and PDP contexts

Discussion : SA2 would like to kindly inform CN1 and CN3 that SA2#23 has decided to adopt a mechanism for the network to control whether the UE is allowed to have multiple IMS media components carried in a single PDP context. Additionally, SA2 sees that in Rel-5 all associated IP flows (such as e.g. RTP / RTCP flows) used by the UE to support a single media component are assumed to be carried within the same PDP context.
However, it shall not be precluded that in future releases these flows can be carried in different PDP contexts. N1-020691, N1-020842 and N1-020820 are related. CN3 should be involved.

Conclusion: Noted

N1-020692 : S2-020867, To: RAN2, GERAN, CC: CN1, Type: LS IN, Title: Liaison Statement on "SIP Signalling requirements”

Discussion : Part of ongoing SIP compression discussion.

Conclusion: Noted

N1-020693 : S2-020876, To: SA5, CN3, CC: SA1, CN1, Type: LS IN, Title: Response to the LS “requesting that the IMS Charging ID (ICID) is provided to access network”

Discussion : Is there any CN1 issue in the following points which SA2 makes: (1) A solution for correlating between the IMS and GPRS has already been adopted in SA2 and consists of conveying the GPRS Charging ID and GGSN Address to the IMS. Passing the ICID to the GPRS network shall not provide an alternative correlation solution to the already agreed one. (2) The ICID is not transferred from the GGSN to the SGSN.

Different views on wether SGSN shall have ICID or not, and if this is a CN1 area. 771, 778 and 779 are related.

Conclusion: Noted

N1-020694: S2-020886, To: GUP joint Ad-Hoc, CC: SA1, SA3, SA4, SA5, T2, T2 GUP ad hoc, T3, CN1, CN4, CN5, Type: LS IN, Title: Liaison Statement Reply to "Status of the Generic User Profile Work"

Discussion : GUP stage 2 and current WI status.

Conclusion: Noted

N1-020695 : S2-020910, To: CN1, CN2, CN3, SA3, SA5, T1, T2, CC: CN, T, Type: LS IN, Title: Liaison Statement on "Prefix allocation for IPv6 stateless address autoconfiguration"

Discussion : What is the impact on CN1 specifications? The change introduced by SA2 was that every PDP context activated according to the stateless address autoconfiguration procedure is allocated a unique prefix, thus allowing the MS to freely change its interface identifier without requiring any update of the SGSN and the GGSN about its new IPv6 address. 820 is touching the text concerned and the LS could be covered with 820 discussion.

Conclusion: Noted

N1-020696 : S2-020912, To:CN1,SA3,T3, CC: SA1, CN4, Type: LS IN, Title: LS on Stage 2 for use of USIMs and ISIMs for IMS

Discussion : In case of R99 or Rel-4 USIM, the home network name and IMPU are derived from IMSI. CN1 to specify the procedure e.g. in 23.003. LSs N1-020686 and N1-020696.
Is there any related document to propose this? SA2 discussion is ongoing and therefore proposed to be delayed in CN1. 23.003 is under CN4 responsibility with CN1 as secondary responsibel. 875 is already allocated as a LS to SA2 and will cover this issue with respect to CN1 as well.

Conclusion: The reply is merged into LS OUT in 875 by Duncan

N1-020697 : S2-020914, To: CN1, CN3, CN4, CC: SA, CN, Type: LS IN, Title: LS on adapting to IETF improvements contained in “unified draft”

Discussion : Very old LS stating some of what we already know about manyfolks vs. unify drafts. The procedural changes to CN1 TSs 24.228 and 24.229 still remain to be made, though. N1-020697 (LS) and N1-020805. The LS should have informed on the options to be used. Should CN1 reply with how it understand the current working assumptions, - that we still work on offer-counter offer-answer. Tdocs are available on these media issues for this meeting. Also an issue is if answer is a subset of offer or not, and what about the network in between the originating and terminating access.

Conclusion: LS OUT in 877 by Keith

N1-020698 : S4-020195, To: CN1, SA2, Type: LS IN, Title: LS regarding SDP bandwidth attributes in TS 24.228

Discussion : Is bandwidth needed both as session and media level attribute? The current versions assume it is only in the media level. Depends on SA2 decision. Are there any related contributions to this CN1 meeting? No.

Conclusion: Noted

N1-020699 : T1-020174, To: CN1, Type: LS IN, Title: Liaison Statement on Network initiated PDP context activation request for an already activated PDP context (on the mobile station side)

Discussion : T1 would like to know what we mean by local deactivation of PDP context in case of PDP context activation collides with an existing PDP context with the same parameters.
The local clearing is removing the resources and deleting any information related to the PDP context without sending a message on the radio interface.

Conclusion: LS OUT in 878 by Arnaud

N1-020752 : S3-020157, To: CN4, CC: SA5, GERAN2, RAN2, RAN3, CN1, Type: LS IN, Title: Reply to N4-020302: Response Liaison Statement on Trace and Availability of IMSI and IMEI

Discussion : SA3 would like to inform all addressed groups that SA3 considered that the channels that the IMSI/IMEI would be transmitted over are already protected in the specifications, and therefore cause no security concerns.

Conclusion: Noted

N1-020753 : S3-020163, To: SA1, CC: CN1, CN4, SA5, T2, T3, Type: LS IN, Title: Reply LS on support for subscriber certificates

Discussion : SA3 clarifes to SA1 the security requirements related with subscriber certificates.

Conclusion: Noted

N1-020754 : S3-020165, To: SA1, SA2, CC: CN1, Type: LS IN, Title: LS on “Requirements on Presence Service”

Discussion : SA3 has analysed privacy and security requirements of presence and give comments on TS 22.141 to SA1.

Conclusion: Noted

N1-020755 : S3-020166, To: SA1, CC: SA2, T2, CN1, GERAN, Type: LS IN , Title: Security for UE functional split, reply to S1-020300

Discussion : SA3 reply to SA1 asking for clarification on what is meant by "certain scenarios" of UE split which SA1 expects to be part of Rel-5. SA3 is not confident that UE split could be done in Rel-5 time frame.
It was stated in CN1 that the UE split was decided in TSGS#15 to be for Rel-6. With no requirements on this for CN1, there is no work to be done for CN1 now.

Conclusion: Noted

N1-020756 : S5-020198, To: SA1, CC: SA2, SA3, SA5, CN1, CN4, RAN2, RAN3, T2, T3, Type: LS IN, Title: LS reply on: Priority Service Feasibility Study - draft TR 22.950 v1.0.0

Discussion : Initial SA5 reply to SA1 on priority service draft TR.

Conclusion: Noted

N1-020757 : S2-020913, To: CN1, CN4, CC:, Type: LS IN, Title: LS on S-CSCF change

Discussion : SA2 points out cases where it is necessary to change the user from the currently allocated S-CSCF to a new one.
No CRs provided in this area to CN1#23. Cx interface action, when decided, will end up in CN1 impact(s). Therefore after HSS has passed the changover information (how sophisticated (?) since HSS should not make decisions?) to S-CSCF, a decision is needed on the procedure how to deregister the user if the service can not be supported anymore from S-CSCF. Should HSS decide that based on an error message from the new S-CSCF ? CN4 should take that decision in co-operation with CN1. Sort out the architecture and requirements on what is passed and decided where. Companies interested need to take this issue further, since joint meetings on this should be avoided due to time constraints, and that this is not a CN1 decision.

Conclusion: Noted

N1-020758 : G2-020400, To: SA1, CC:SA2, CN1, CN3, Type: LS IN, Title: Response to the LS “Access dependent services and features for GERAN Iu mode”

Discussion : N1-020758 is a reply to N1-020684.

Conclusion: Noted

N1-020759 : G2-020399, To: CN4, CC: RAN 3, CN1, SA5, SA3, RAN 2, Type: LS IN, Title: Response to "Response Liaison Statement on Trace and Availability of IMSI and IMEI"

Discussion : Noted or does CN1 want to respond? The LS is only CC to CN1 but it is about radio interface.

Conclusion: Noted

N1-020760 : S3-020160, To: CN1, CC:, Type: LS IN, Title: Response on P-CSCF behaviour after an integrity failure

Discussion : SA3 answers our N1-020665. If a REGISTER message fails integrity check at P-CSCF, then P-CSCF does not forward the REGISTER message further to S-CSCF. This is already reflected in the latest version of TS 33.203.

Conclusion: Noted

4 Work Plan for TSGN WG1

3GPP TS 23.108 was refered back to CN1 for decision from TSGN#15 , wether to delete it from Rel-4 or not. Reference to it is made from a CN4 specification,- 23.205, thus making the question simple.
This 3GPP TS 23.108 was decided to be kept for Rel-4.

T1 requested a review of test cases in 34.123-x to verify the compliance with the core specifications. The interested companies are requested to contribute to T1 if any discrepancies are found. **See N1-020675 result where Andrew Howell from Motorola is the contact point for such work.**

For SIPadhoc0204 in Madrid neither the CN1 chairman nor the vicechairman will be able to participate, so **Kevan Hobbis** from H3G was appointed to **chair** that meeting.
Deadline for documents to SIPadhoc0204 is Thursday 18th April at 23:59 CET.

The procedures for how to handle specification intermediate versions for 23.218, 24.228 and 24.229 are;-CN1 IMS specification version control between TSGN #15 and TSGN #16:

1. This special procedure covers only 23.218, 24.228 and 24.229. All other CN1 TSs are treated as normal
2. CN1 April SIP ad hoc only prepares input CRs for CN1 #24 approval.
3. The CRs which are proposed from the CN1 April SIP ad hoc are forwarded to CN1 #24 with the same tdoc numbers.
4. The CRs which are joint proposals from CN1 April SIP ad hoc are not re-discussed in CN1 #24. Approval of the whole set of CRs will be asked.
5. CN1 #23, CN1 April SIP ad hoc meeting and CN1 #24 use the reference versions which were created after TSGN #15 (5.0.0) to write CRs on.
6. WG internal shadow versions of the IMS specifications are created by rapporteurs after CN1 #23 and after SIPadhoc0204,- by implementing all agreed CRs from CN1 #23 and from CN1 April SIP ad hoc meeting respectively.
7. Only revision marked versions of the WG shadow versions are distributed both times.
8. The WG shadow versions are given unofficial version number 5.0.0+CN1#23, and 5.0.0+CN1#23+SIPadhoc
9. The WG shadow versions are stored on 3GPP server in a separate folder (Intermediate specs) under the respective meeting folder
10. When drafting a new CR to CN1 April SIP ad hoc or CN1 #24 the respective shadow version must be checked first before drafting.
11. If already revised text is met when drafting a CR to CN1 SIP ad hoc or CN1 #24 (i.e. the new CR will collide with one text which was already agreed in CN1 #23 or in SIPadhoc) then a revision to the original CR from CN1 #23 or SIPadhoc0204 must be proposed at least for the part of colliding text.
12. CN1 secretary will allocate both the CR and tdoc numbers and also CR revision numbers.
13. Requested revision must be indicated in the tdoc request sheet when a revision is requested.
14. In case of colliding CRs the tdoc number of the earlier agreed CN1 #23 or SIPadhoc0204 CR must be mentioned on the cover page so that it can be withdrawn from the list of agreed CRs for TSGN #16 approval

15. In case of colliding CRs the CR number of the original agreed CN1 #23 must be kept, but CR revision number must be increased as usual.
16. In case of colliding CRs, if the new revised CR is rejected, then the old one still stands and it goes to TSGN #16 for approval
17. In case of colliding CRs, if the new revised CR is agreed, then the old CR is superseded by the new one for TSGN #16 approval
18. The WG shadow versions are not submitted to TSGN #16
19. All CRs from CN1 #23 and #24 which are still agreed after CN1 #24 are submitted to TSGN #16 for approval

N1-020676 : MCC, Title: Latest workplan for review

Discussion : Any comments should be discussed via CN1 mailing list and proposed changes can be emailed to CN1 secretary for future version update.

Conclusion : Noted

N1-020677 : MCC, Title: CN1 specification responsibility after TSG#15

Discussion : The rapporteurs of 23.034 and 24.228 ? Tommi Kokkola is normally attending SA1 so Nokia may want to shift to a CN1 delegate. 24.228 needs a new rapporteur since John O'Hare can not continue, and Motorola has not found a replacement. Inmaculada Carrion from Nokia will be rapporteur of 23.034 and Krizstian Kiss from Nokia will be rapporteur of 24.228. Acclamation!!!

Conclusion : Noted

N1-020678 : Chairman, Title: CN1 IMS open items list

Discussion : Andrew A. will provide a reworked update tomorrow.

Conclusion :Revised to 955

N1-020955 : Chairman, Title: CN1 IMS open items list

Discussion : Volounteers were asked for,- to handle the open issues on 24.228 flows and if taking on job to broadcast their ongoing work to avoid duplications.

Conclusion : Noted

N1-020925 : Ericsson, Type: WID, Title: Shared Network support in Connected Mode

Discussion :

Conclusion : Not treated due to time

N1-020956 : Lucent/ Keith, Type: INFO, Title: Interaction status of CRs on IMS-CCR deliverables

Discussion : Should resolve the interactions in the CRs to be agreed during this meeting .

Conclusion : Noted

5 Maintenance of Rel-4 and older releases

N1-020700 : 23.009v390 CR#064r1, Alcatel, Type: CR , Title: Sending of RANAP Location Reporting Control on the E Interface

Discussion : During an inter-MSC SRNS relocation, it should be allowed to send RANAP Location Reporting Control message on the E interface after the relocation resource allocation and before the completion of the SRNS relocation in

order not to miss the first location information that can be reported by the target RNC (i.e. the SA in which the UE arrived) when the type of report requested is "report upon change of Service area".

The reporting of the last SA comes too late, but the procedure itself is working so this was regarded as an optimization. Against the frozen release R99 and Rel-4 it was not accepted as a frequent occuring error.

Conclusion : Rejected

N1-020701 : 23.009v430 CR#065r1, Alcatel, Type: CR , Title: Sending of RANAP Location Reporting Control on the E Interface

Discussion :

Conclusion: Rejected

N1-020702 : 23.009v500 CR#066r1, Alcatel, Type: CR , Title: Sending of RANAP Location Reporting Control on the E Interface

Discussion : In Rel-5 it was discussed if this would be an improvement. The category needs to change to C. WI should be TEI5. Is the radio access network impacted ? No.

Conclusion : Revised to 879

N1-020879 : 23.009v500 CR#066r2, Alcatel, Type: CR , Title: Sending of RANAP Location Reporting Control on the E Interface

Discussion :

Conclusion : Agreed

N1-020703 : 24.008v3b0 CR#576, Nokia, Type: CR , Title: Authentication not accepted by MS

Discussion : N1-020683 (LS) and N1-020703-705 are related. There are two alternative criterias for the MS to reject the network during authentication, MAC failure and invalid SQN. The network is only given two attempts and after that the MS marks the cell as barred. According to 4.7.7.5.1 f) and g), if one of these is met, then the MS shall start a timer to await for a new authentication and then see if the second try was successful. But only the case of two subsequent errors being similar is covered. There is no specification about MAC failure after invalid SQN or vice versa.

Is there a network behavior issue here ? Only mobile is considered due to a fake network alternating between the failure types. Is this serious enough for a frozen R99 and Rel-4 correction. These 2 CRs (703, 704) are to be taken to the joint session with SA3 in agenda item 6. ***Forwarded to agenda item 6, SA3-CN1 joint meeting were the guidance was that a CR could be benefitial.***

Conclusion : Revised to 943

N1-020943 : 24.008v3b0 CR#576r1, Nokia, Type: CR , Title: Authentication not accepted by MS

Discussion : Here 2 MAC or SQN failures will terminate the authentication procedure as main difference to the Rel-5 proposal. 2 consecutive failures without handling of timers were discussed. It was questioned if this is an essential correction to frozen releases? Is it a sufficient big security problem. These concerns raised was stated as a possible reservation for rejection in the plenary.

Conclusion : Revised to 963

N1-020963 : 24.008v3b0 CR#576r2, Nokia, Type: CR , Title: Authentication not accepted by MS

Discussion : Seen in relation to 880.

Conclusion : Postponed

N1-020704 : 24.008v460 CR#577, Nokia, Type: CR , Title: Authentication not accepted by MS

Discussion : N1-020683 (LS) and N1-020703-705 are related. ***Forwarded to agenda item 6, SA3-CN1 joint meetingwere, the guidance was that a CR could be benefitial.***

Conclusion : Revised to 944

N1-020944 : 24.008v460 CR#577r1, Nokia, Type: CR , Title: Authentication not accepted by MS

Discussion :

Conclusion : Revised to 964

N1-020964 : 24.008v460 CR#577r2, Nokia, Type: CR , Title: Authentication not accepted by MS

Discussion : Seen in relation to 880.

Conclusion : Postponed

N1-020705 : 24.008v530 CR#578, Nokia, Type: CR , Title: Authentication not accepted by MS

Discussion : N1-020683 (LS) and N1-020703-705 are related. Wrong message name used for CS. What about the triggering for stopping timer when the error type changes ? For non-fake network a TMSI mapping failure which happens with a medium of 1 to 2000 the alternate error is maybe an essential correction. Change to TEI5 and cat F if 702 and 703 is not progressed.

Conclusion : Revised to 880

N1-020880 : 24.008v530 CR#578r1, Siemens, Type: CR , Title: Authentication not accepted by MS

Discussion : A counter is introduced with max 3 failures to happen. The contents in R99 and Rel-4 are different from this proposal. The timer was not needed. The reason for change has been modified to show the options. The category should be F rather than A. Siemens will eventually bring this in for the next meeting.

Conclusion : Postponed

N1-020706 : 24.008v3b0 CR#579, Nokia, Type: CR , Title: Correction to CS domain specific system information

Discussion : Incorrect octet numers in Table 10.5.1.12.2. No objection to the problem. Encoding is done by RNC and radio access is affected and needs to be seen by RAN2.

Conclusion : Revised to 881 and a LS OUT in 884 by Hannu

N1-020881 : 24.008v3b0 CR#579r1, Nokia, Type: CR , Title: Correction to CS domain specific system information

Discussion :

Conclusion : Agreed

N1-020707 : 24.008v460 CR#580, Nokia, Type: CR , Title: Correction to CS domain specific system information

Discussion :

Conclusion : Revised to 882

N1-020882 : 24.008v460 CR#580r1, Nokia, Type: CR , Title: Correction to CS domain specific system information

Discussion :

Conclusion : Agreed

N1-020708 : 24.008v530 CR#581, Nokia, Type: CR , Title: Correction to CS domain specific system information

Discussion :

Conclusion : Revised to 883

N1-020883 : 24.008v530 CR#581r1, Nokia, Type: CR , Title: Correction to CS domain specific system information

Discussion :

Conclusion : Agreed

N1-020709 : 24.007v380 CR#046, Nokia, Type: CR , Title: RR protocol message type octet

Discussion : 24.007 assumes that only bits 1-6 are used for the message type indication in L3 protocols. However, RR protocol has already run out of 6-bit message type code points in and therefore 7 bits are already used for the RR message types. This makes the current 24.007 text not applicable to RR protocol.

This was classified as essential enough for R99 onwards. 11.2.3.2.1 seems also to need the correction.

Conclusion : Revised to 885

N1-020885 : 24.007v380 CR#046r1, Nokia, Type: CR , Title: RR protocol message type octet

Discussion :

Conclusion : Agreed

N1-020710 : 24.007v410 CR#047, Nokia, Type: CR , Title: RR protocol message type octet

Discussion : Wrong reference,- shall be Rel-4 messages as in 44.018.

Conclusion : Revised to 886

N1-020886 : 24.007v410 CR#047r1, Nokia, Type: CR , Title: RR protocol message type octet

Discussion :

Conclusion : Agreed

N1-020711 : 24.008v3b0 CR#582, Nokia, Type: CR , Title: R97 and R99 QoS handling

Discussion : N1-020711-713, N1-020728-734 and N1-020807 are related. Postponed for off-line discussions.

Conclusion : Rejected

N1-020712 : 24.008v460 CR#583, Nokia, Type: CR , Title: R97 and R99 QoS handling

Discussion : N1-020711-713, N1-020728-734 and N1-020807 are related.

Conclusion : Rejected

N1-020713 : 24.008v530 CR#584, Nokia, Type: CR , Title: R97 and R99 QoS handling

Discussion : N1-020711-713, N1-020728-734 and N1-020807 are related.

Conclusion : Rejected

N1-020714 : 24.008v3b0 CR#585, Nokia, Type: CR , Title: MS behaviour in GSM to UMTS system change

Discussion :

Conclusion : Not available

N1-020715 : 24.008v460 CR#586, Nokia, Type: CR , Title: MS behaviour in GSM to UMTS system change

Discussion :

Conclusion : Not available

N1-020716 : 24.008v530 CR#587, Nokia, Type: CR , Title: MS behaviour in GSM to UMTS system change

Discussion :

Conclusion : Not available

N1-020718 : 24.008v460 CR#535, Siemens, Type: CR , Title: Correction of codec negotiation procedure

Discussion : Some corrections requested.

Conclusion : Revised to 887

N1-020887 : 24.008v460 CR#535r1, Siemens, Type: CR , Title: Correction of codec negotiation procedure

Discussion :

Conclusion : Agreed

N1-020719 : 24.008v530 CR#536, Siemens, Type: CR , Title: Correction of codec negotiation procedure

Discussion : Without the changes the codec negotiation and selection procedures are partly wrong, partly incomplete, and partly hard to understand. Furthermore, the wording is not aligned to SA4's latest requirements concerning the support of UMTS_AMR_2.

In CCBS the mobile station may change depending on the supported mode, not the network. In Emergency Setup the BC IE is optional. In 5.2.11 second bullet some rewording were proposed.

Conclusion : Revised to 888

N1-020888 : 24.008v530 CR#536r1, Siemens, Type: CR , Title: Correction of codec negotiation procedure

Discussion :

Conclusion : Agreed

N1-020720 : 24.008v3b0 CR#572, Siemens, Type: CR, Title: Support of UMTS AMR 2 in R99

Discussion : TSG SA plenary #14 approved the CR 26.103-011, Inclusion of codec type UMTS AMR2 in R99 codec list, which allows the support of UMTS AMR2 also for R99 mobile stations. This change needs to be reflected in TS 24.008.

Postponed for off-line discussions. Mirror CRs are not needed, but similar CRs are written for Rel-4 and Rel-5, with a different way of handling.

Conclusion : Agreed

N1-020722 : 24.008v3b0 CR#590, Siemens, Type: CR, Title: Impact of regional roaming restrictions on the MM state

Discussion : In case of a GPRS attach, a network initiated GPRS detach, a normal or periodic routing area update, or a service request procedure: -if the MS is in MS operation mode A and has an ongoing circuit switched transaction, it shall postpone the actions specified for the MM entity after receipt of one of the reject causes #11, #12, #13 and #15 until the circuit switched transaction has been released.

Why is this essential for R99 and Rel-4 ? Only for cause #6 and #8 ? Operators will probably plan the radio so that these scenarios should be rare and the correction to frozen releases was questioned. Seems as new functionality is introduced with this CR and could impact implementations. Counterargued that this is only because this error was not detected earlier since MS in operation mode for GSM does not exist,- so no addition or modification of feature.

Conclusion : Rejected

N1-020723 : 24.008v460 CR#591, Siemens, Type: CR, Title: Impact of regional roaming restrictions on the MM state

Discussion :

Conclusion : Rejected

N1-020724 : 24.008v530 CR#592, Siemens, Type: CR, Title: Impact of regional roaming restrictions on the MM state

Discussion : Rel-5 CR seems needed even that R99 and Rel-4 are not acceptable. Commented that the behavior for cause #11 should be the same as for cause #8 (eg when the IMSI is not allowed)? No they are different since #11 is PLMN is not allowed. As long as the circuit switch call is ongoing it seems that the PS domain can not be used? Postponed for off-line discussions.

Conclusion : Withdrawn

N1-020725 : 24.008v3b0 CR#593, Siemens, Type: CR, Title: Correction of repeat indicator IE

Discussion : During implementation of CR 074 r1, the sentence "All other values are reserved." was deleted by mistake. The only CR that touched the concerned text area at the time of disappearance are attached for information, but this attachment shall not be taken to plenary TSGN#16.

Conclusion : Agreed

N1-020726 : 24.008v460 CR#594, Siemens, Type: CR, Title: Correction of repeat indicator IE

Discussion :

Conclusion : Agreed

N1-020727 : 24.008v530 CR#595, Siemens, Type: CR, Title: Correction of repeat indicator IE

Discussion :

Conclusion : Agreed

N1-020728 : 24.008v3b0 CR#596, Siemens, Type: CR, Title: Removal of the coding rules of type 4 IEs

Discussion : N1-020711-713, N1-020728-734 and N1-020807 are related. Starting with GSM R96, the rules for the coding of type 4 IEs were copied from GSM 04.08/TS 24.008 to GSM 04.07/TS 24.007, subclause 11.2.2.1, but were not removed from GSM 04.08/TS 24.008. It is proposed to remove the coding rules from TS 24.008 to avoid duplicate specification in the standard that may lead to contradicting requirements.

Not seen as fulfilling the stricter criteria on frozen releases. Postponed for off-line discussions, and later found needed.

Conclusion : Agreed

N1-020729 : 24.008v460 CR#597, Siemens, Type: CR, Title: Removal of the coding rules of type 4 IEs

Discussion : N1-020711-713, N1-020728-734 and N1-020807 are related. Not seen as fulfilling the stricter criteria on frozen releases.

Conclusion : Agreed

N1-020730 : 24.008v530 CR#598, Siemens, Type: CR, Title: Removal of the coding rules of type 4 IEs

Discussion : N1-020711-713, N1-020728-734 and N1-020807 are related. Change catogory to F and WI to TEI5.

Conclusion : Agreed

N1-020731 : 24.007v380 CR#048, Siemens, Type: CR, Title: Clarification of the extension mechanism for type 4 IEs

Discussion : N1-020711-713, N1-020728-734 and N1-020807 are related. In the past, type 4 IEs were in several cases extended by adding a new octet group at the end of the information element. Examples for this are the MS Classmark 2 IE (when changing from GSM phase 1 to GSM phase 2) and the QoS IE (when changing from R98 to R99, and again from Rel-4 to Rel-5). Currently, the only hint in the standard to such an extension rule can be found in TS 24.008, subclause 8.1: "… However it is not a syntactical error that a type 4 IE specifies in its length indicator a greater length than defined in clause 10." To avoid wrong implementations which could cause backwards compatibility problems in the future, it is proposed add this rule to the other coding rules for type 4 IEs in TS 24.007.

This CR describes what has been the intention when expanding the type 4 IEs. It was expressed that this handling can also be found partly in other section of 11.4… and therefore that this CR is not serious enough for a R99/Rel-4 correction. 11.2.3.3 has a sentence defending the rejection of eg QoS with longer length than specified, and needs to be taken into consideration. But is it an imperative error towards an older version? Why should we change the R99 to describe interworking with R97 mobile, which it should handle according to that specification when the network detects a R97 mobile.

Conclusion : Revised to 892

N1-020892 : 24.007v380 CR#048r1, Siemens, Type: CR, Title: Clarification of the extension mechanism for type 4 IEs

Discussion : N1-020711-713, N1-020728-734 and N1-020807 are related.

Conclusion : Agreed

N1-020732 : 24.007v410 CR#049, Siemens, Type: CR, Title: Clarification of the extension mechanism for type 4 IEs

Discussion : N1-020711-713, N1-020728-734 and N1-020807 are related.

Conclusion : Revised to 893

N1-020893 : 24.007v410 CR#049r1, Siemens, Type: R, Title: Clarification of the extension mechanism for type 4 IEs

Discussion : N1-020711-713, N1-020728-734 and N1-020807 are related.

Conclusion : Agreed

N1-020733 : 24.007v380 CR#050, Nokia, Type: CR, Title: R97 and R99 QoS handling

Discussion : N1-020711-713, N1-020728-734 and N1-020807 are related. The contents will be merged to revision of N1-020731 which became the agreed 892.

Conclusion : Rejected

N1-020734 : 24.007v410 CR#051, Nokia, Type: CR, Title: R97 and R99 QoS handling

Discussion : N1-020711-713, N1-020728-734 and N1-020807 are related. The contents will be merged to revision of N1-020732 which became the agreed 893.

Conclusion : Rejected

N1-020749 : 24.008v3b0 CR#552r1, Ericsson, Type: CR , Title: Restriction of the 0kbits maximum bitrate

Discussion : Rejected because the change was seen as an optimisation and not a correction of a frequently occurring serious problem.

Conclusion : Rejected

N1-020750 : 24.008v460 CR#553r1, Ericsson, Type: CR , Title: Restriction of the 0kbits maximum bitrate

Discussion : Rejected because the change was seen as an optimisation and not a correction of a frequently occurring serious problem.

Conclusion : Rejected

N1-020751 : 24.008v530 CR#554r1, Ericsson, Type: CR , Title: Restriction of the 0kbits maximum bitrate

Discussion : In current version of 24.008, it is allowed the mobile to request a maximum bandwidth of 0 kbps in the Session Management messages. However the reason to specify in 24.008 is that the GTP requires this codepoint for the GTP signalling, and the GTP specification (29.060) refers to 24.008 for the coding of the QoS information element. Thus it was not the intention that the mobile is able to request 0 kbps maximum bandwidth for both uplink and downlink directions at the same time.

It was said that we do not need to restrict codepoints. Earlier discussion requested the behavior when receiving such codepoint, which is now included in the CR. Change to category F and with changed WI as TEI5. Sending entity is vague and should be clarified to be only mobile? No it is applicable to bothways.

Conclusion : Revised to 894

N1-020894 : 24.008v530 CR#554r2, Ericsson, Type: CR , Title: Restriction of the 0kbits maximum bitrate

Discussion :

Conclusion : Agreed

N1-020807 : 24.008v3b0 CR#599, Nortel, Type: CR , Title: R97 and R99 Compatibility

Discussion : N1-020711-713, N1-020728-734 and N1-020807 are related. Four type 4 IEs have increased in length in R99. There are no requirements for what a R99 network should do if it receives a shorter length IE from a R97 mobile.

Problems with R97 towards R99 network. The principal has always been that new networks should be aware of earlier mobiles, and MS CM2 is an example where the network need to cope with a shorter length. This is not very clear from the specification but has been the assumption. A part of the problem originates from A R97 mobile not beeing able to receive a R99 QoS IE (13 octets), which could require a change to the spec dealing with interworking problems (09.95?). A delegation had problem with giving full support to the CR.

Conclusion : Revised to 889

N1-020889 : 24.008v3b0 CR#599r1, Nortel, Type: CR , Title: R97 and R99 Compatibility

Discussion : N1-020711-713, N1-020728-734 and N1-020807 are related. Duplication of error handling requirement in 24.008 and 24.007 is removed.
It was agreed that the network implementation will need to check the UE revision and adapt to that accordingly but only the requirements for the current version are defined in the specification.
The specific handling of QoS IE length had to be defined, because this principle above does not apply to a UE which only implements the current version with no fallbacks unless explicitly specified.

Conclusion : Agreed

N1-020890 : 24.008v460 CR#611, Nortel, Type: CR , Title: R97 and R99 Compatibility

Discussion :

Conclusion : Agreed

N1-020891 : 24.008v530 CR#612, Nortel, Type: CR , Title: R97 and R99 Compatibility

Discussion :

Conclusion : Agreed

N1-020816 : 24.008v460 CR#600, Ericsson, Type: CR , Title: Correction to text on DTMF handling

Discussion : Exisiting text is contradictory to DTMF handling for BICSN (Bearer Independent CS Network); does not allow of out-of-band DTMF signalling. In REL-4 separation of call control and bearer control was introduced and specified in stage 2 TS 23.205. DTMF handling is described in chapter 14.4. Here, two methods are described, inband DTMF tone sending and Out-Of-Band DTMF messaging. The current text in 24.008 assumes always that DTMF tones are generated by the network.

No ME impact is correct. Is it additional feature ? No since the corresponding change has been done long time ago. Need to update the reference clause with 23.205. Comments for changes were given. WI shall be CSSPLIT and not BICSN.

Conclusion : Revised to 895

N1-020895 : 24.008v460 CR#600r1, Ericsson, Type: CR , Title: Correction to text on DTMF handling

Discussion : MCC to apply the correct style when implementing the CR, because bullets are not used.

Conclusion : Agreed

N1-020817 : 24.008v530 CR#601, Ericsson, Type: CR , Title: Correction to text on DTMF handling

Discussion : WI shall be CSSPLIT and not BICSN.

Conclusion : Revised to 896

N1-020896 : 24.008v530 CR#601r1 Ericsson, Type: CR , Title: Correction to text on DTMF handling

Discussion : WI shall be CSSPLIT and not BICSN. MCC to apply the correct style when implementing the CR, because bullets are not used.

Conclusion : Agreed

N1-020853 : 29.018v390 CR#029, CN1 secretary, Type: CR , Title: Various clean-up of wrong references, as eg 24.008 instead of 04.18

Discussion : N1-020854 is not exactly a mirror CR of N1-020853 because of the introduction of GERAN and renumbering of GSM specifications. Therefore both are categorised a 'F' and only N1-020855 is Cat. 'A'.

Conclusion : Agreed

N1-020854 : 29.018v430 CR#030, CN1 secretary, Type: CR , Title: Various clean-up of wrong references, as eg 24.008 instead of 04.18

Discussion :

Conclusion : Agreed

N1-020855 : 29.018v510 CR#031, CN1 secretary, Type: CR , Title: Various clean-up of wrong references, as eg 24.008 instead of 04.18

Discussion :

Conclusion : Agreed

N1-020857 : 24.008v3b0 CR#606, Motorola, Type: CR, Title: QoS mapping between R97 and R99

Discussion :

Conclusion : Not available

N1-020867 : 24.008v3b0 CR#608, NEC, Type: CR , Title: UMTS to GSM change during signalling phase of CS call setup

Discussion :

Conclusion : Rejected

N1-020868 : 24.008v460 CR#609, NEC, Type: CR , Title: UMTS to GSM change during signalling phase of CS call setup

Discussion :

Conclusion : Rejected

N1-020869 : 24.008v530 CR#610, NEC, Type: CR , Title: UMTS to GSM change during signalling phase of CS call setup

Discussion :

Conclusion : Rejected

N1-020870 : 23.014v310 CR#004, NEC, Type: CR , Title: Dual Tone Multi-Frequency signalling : Support in the whole 3GPP system, and editorial modifications.

Discussion :

Conclusion : Not treated due to time

N1-020897 : Nortel, Type: DISCUSSION, Title: Restrict mobile use of the SGNSR bit for EDGE

Discussion :

Conclusion : Not treated due to time

N1-020942 : 24.008, Motorola, Type: DISCUSSION , Title: Use of cause #14 in HPLMN

Discussion : Due to the requirements in 03.22 (section 3.1) that “The HPLMN shall not be stored on the list of "forbidden PLMNs for GPRS service.” there appears to be a potential problem if a subscriber's HPLMN uses the rejection reject cause #14 when the network is using NMO I.

Cause#14 was not expected to be used by HPLMNs. Comment that the second proposal does not seem correct.

Conclusion : Noted

6 SA3 – CN1 joint session on IMS (Tuesday 9/4 09:00)

N1-020703 : 24.008v3b0 CR#576, Nokia, Type: CR , Title: Authentication not accepted by MS

Discussion : N1-020683 (LS) and N1-020703-705 are related. There are two alternative criterias for the MS to reject the network during authentication, MAC failure and invalid SQN. The network is only given two attempts and after that the MS marks the cell as barred. According to 4.7.7.5.1 f) and g), if one of these is met, then the MS shall start a timer to await for a new authentication and then see if the second try was successful. But only the case of two subsequent errors being similar is covered. There is no specification about MAC failure after invalid SQN or vice versa.

Is there a network behavior issue here ? Only mobile is considered due to a fake network alternating between the failure types. Is this serious enough for a frozen R99 and Rel-4 correction. These 2 CRs (703, 704) are to be taken to the joint session with SA3 in agenda item 6. Only one comment was received.

Conclusion : That guidance was that a CR could be put forward.

N1-020740 : H3G, Type: DISCUSSION, Title: Proposed Change to 24.229, S-CSCF actions on authentication failure

Discussion : The current text in 24.229 states that the S-CSCF will deregister a user who has performed a register but failed the authentication cycle, see section 5.4.1.2.2 Abnormal Cases of 24.229. The currently defined action is open to an attack that would cause a valid user to be deregistered and sessions lost i.e. an attacker could send an unprotected REGISTER (i.e. not using the integrity key IK) knowing that it will fail as they do not have the correct security parameters. This would result in the real user being deregistered, and is clearly not a desirable outcome.

It was thought that after IPsec was decided to be used the situation will not occure. 843 and 741 is the related CRs. For a long duration call that is challenged by the operator, the user should be deregistered if it fails the authentication check.

Conclusion : Noted

N1-020741 : 24.229v500 CR#004, H3G, Type: CR, Title: S-CSCF Actions on Authentication Failure

Discussion : S-CSCF actions are modified to allow it to perform a Network Initiated Authenication procedure or simply discard the failed authentication. It is also added that the users valid registration period is shortened when sending the NOTIFY.

Why the deregistration was initiated should lead to different behaviour ? Discussed together with 843, but this was decided as base for the revision.

Conclusion : Revised to 903 which is handled in agenda item 7.6 by CN1

N1-020742 : H3G, Type: DISCUSSION, Title: Handling of Security Associations

Discussion : CN1 has received in incoming liaison statement in 900 from SA3 titled 'Issues with SA handling at P-CSCF' in which four questions are asked of CN1. The four questions with proposed answers from CN1 are shown.

A possible solution to question 1 is to mandate that the UE re-subscribes after the reception of a 200 OK for REGISTER. Then the P-CSCF knows when the new SA is in place and can delete the old one.When considering the case of a laptop, the UE will not send a new SUBSCRIBE just to allow the P-CSCF to delete the old security association. It is therefore better not to do anything and keep a state in the P-CSCF until a new message arrives.A UE with more than one ISIM would have more than one IMPI and so do parallel restrictions, but they would be logically separate with their respective Security Assosiation (SA).

Conclusion : LS OUT in 902

N1-020745 : Nokia, Type: DISCUSSION , Title: Temporary IMPI for IMS

Discussion : In 3GPP CN1 the working assumption currently is, that IMPI is included in all REGISTER requests initiated by the UE. Other SIP messages than REGISTER requests do not contain the users IMPI. In order for the user to be identifiable by the network, the UE has to include one of its IMPUs into the From: header field or, if that is not possible for some reasons, then include a RPI header field containing the IMPU in all the SIP initial request messages. The drawbacks with the current assumption or by using IMPI for all messages can be eliminated by introducing the temporary IMPI concept, similar to the temporary IMSI (TMSI) in GSM.

The identification on application layer is handled by IMPU from the initial request (not all IMPUs are needed by P-CSCF). A correlation between the dialog ID and the Security Association since the P-CSCF has already received all the IMPUs was another view.

Conclusion : Noted

N1-020765 : 24.228v500 CR#002, Ericsson, Type: CR , Title: Update of the authorization flows

Discussion : The authorization flows in 24.228 are out of date. The latest working assumption in stage 2 is that Digest AKA is the authentication protocol, instead of EAP AKA.

The additional clarification to the registrar.home1.net domain name derived from ISIM was discussed, and was requested to be provided seperately for registration and termination I-CSCF. No reference to the SIM.

Conclusion : Revised to 904 which is handled in agenda item 7.6 by CN1

N1-020824 : Nokia, Type: DISCUSSION, Title: IMS key delivery from S-CSCF to the P-CSCF

Discussion : The current specifications TS24.229 and TS24.228 does not contain procedures and example flows describing how IMS AKA session keys (CK,IK) are delivered from S-CSCF to the P-CSCF. This discussion paper represents issues concerning three different choices for key delivery. It is proposed that CN1 endorses working assumption that new 3GPP proprietary auth-param will be defined to carry IMS AKA session keys IK and optional CK. This parameter shall be used in authorization header in 401 Unauthorized message.

Should go for option number 1 (to add a 3GPP specific parameter to the www-authentication header) with documentation in 24.229 as working assumption, and not involve IETF as they have indicated. In the joint meeting this was agreed in principal and further detailed discussion will continue in this CN1 part of the meeting. See 825 and 826 for the related CRs.

Conclusion : Agreed in principal

N1-020843 : 24.229v500 CR#052, Nokia, Type: CR , Title: Authentication error cases

Discussion : There has to be made a difference between cases when the REGISTER request carrying the authentication response (RES) was sent integrity protected or not. The UE shall not be deregistered in neither case. S-CSCF actions are modified to allow it to perform a Network Initiated Authenication procedure or simply discard the failed authentication.

Very similar to 741 subclause 5.4.1.2.2,- a difference is that S-CSCF should get out of endless reauthentications. For both papers the deleted text is referred to by other parts and needs consideration. Same issue is handled in 903.

Conclusion : Rejected

N1-020844 : 24.229v500 CR#053, Nokia, Type: CR , Title: Integrity protection signal from P-CSCF to S-CSCF

Discussion : There is not yet mechanism defined to signal from the P-CSCF to the S-CSCF the integrity protection of the REGISTER request.

Where is the parameters defined,- no 5.4 section (coding?) is corrected as indicated in the cover page. Stage 3 should also as stage 2 describe when messages are discarded. Digest AKA will go to 24.229. There does not exist any way of detecting that IPsec discards a message. Unprotected messages arriving on IPsec in P-CSCF was said to be discarded as well, which was not agreed by all.

Conclusion : Revised to 901 which is handled in agenda item 7.6 by CN1

N1-020863 : 24.228v500 CR#014, Siemens, Type: CR, Title: Restructuring of S-CSCF Registration Sections

Discussion : The registration sections for S-CSCF do not clearly differentiate between the various cases for which a REGISTER request can be received (initial REGISTER, answer to authentication challenge, re-REGISTER).

SA3 related issues ? Since part of this CR is restructuring of the existing text which is CN1 issue. Some comments requiring rewording, and reg-await-auth timer expiry is not defined.. This rework was not functional, but need to be redone to be acceptable. Also the spec base is 24.229 and not 24.228 as requested. New CR # for 24.229 is 060 in the 'revised' 905. The principle of describing the procedures based on registration states is agreed.

Conclusion : Rejected

N1-020898 : SA3, Type: INFO, Title: Technical Specification Group 3GPP TS 33.203, CR Unofficial version from SA3; Access security for IP-based services (Release 5)

Discussion : Current version agreed by e-mail but not approved in TSGS plenary, ie unofficial version.

Conclusion : Noted

N1-020899 : Krister Boman/ Ericsson, Type: INFO, Title: aSIP-Access Security for IP-Based Services

Discussion : Most kindly Krister presented the overview of SA3 status as now defined in 33.203, with the open security issues now defined. S. Hayes clarified that the area directors in IETF have stated their desire to see an informational individual I-D describing how IPsec is used in 3GPP. IPsec is always needed on the mobile station, and this overhead has to be lived with. The list of open items were worrying, but it was clarified that they are not blocking SA3 progress, and can be worked on in co-operation with eg CN1 to finnish the stage 3 work in time.

Conclusion : Noted

N1-020900 : S3-020161 To: CN1, Type: LS IN, Title: Restructuring of S-CSCF Registration Sections

Discussion : For Release 5, it was decided that the IMPUs relating to a particular IMPI should be registered at the same S-CSCF. During normal operation, this allows a UE to only maintain one security association (SA) for each direction to protect traffic between the UE and P-CSCF. Every successful (re-) registration that includes a user authentication generates a new SA for each direction. These new SAs should then replace the previous SAs. In order to allow a smooth transition between SAs, the P-CSCF needs to keep the old SAs until it has received a message protected with the new SA. SA3 hoped that it would be enough to store at most two SAs for each direction at the UE and P-CSCF. A recent analysis of the SA handling error cases has produced a case (see section 2), where it is not enough to store only two SAs for each direction at the P-CSCF. It could be also necessary to store more than two SAs for each direction in the case of multiple simultaneous registrations. SA3 realise that these cases introduce additional complexity at the P-CSCF and seek CN1's advice on potential solutions to these issues.

Conclusion : LS OUT in 902 by Kevan

7 Release 5

7.1 Non-IMS Rel-5 corrections

N1-020721 : 24.008v530 CR#589, Siemens, Type: CR, Title: Indication of support of LCS via PS domain in Iu-mode

Discussion :

Conclusion : Not available

N1-020717 : 24.008v530 CR#588 , Nokia, Type: CR, Title: Updating the DRX parameter value

Discussion : Not presented, but written as a Rel-6 issue.

Conclusion : Revised to 919 as a Rel-5 issue

N1-020919 : 24.008v530 CR#588r1, Nokia, Type: CR, Title: Updating the DRX parameter value

Discussion : The clause 4.7.5 does not allow MS to perform RAU procedure to update DRX parameter value. Some terminals may need to set different DRX parameter values for different applications. Signalling to do this is not specified in 24.008. In GSM, MS may use routing area updating procedure to update the content of DRX parameter IE.

Does this also affect BSS with a synchronization problem ? The new DRX value from SGSN to BSS will immediately be transferred so no problem was identified. This CR will be merged with the related CR in 822 to the next meeting with category F since 24.008 is frozen. Will this information automatically be updated in SGSN ? The way the MS knows the DRX change is local, but it was questioned if T2 needs to know this for possible update on AT commands. Is these issues requirement related so SA1 needs to know ?

Conclusion : Rejected

N1-020748 : 24.008v530 CR#551r3, Ericsson, Type: CR , Title: Service change and fallback for UDI/RDI multimedia multimediacalls

Discussion : The changes from CN1#22 meeting was outlined. The support for multimedia calls is updated :
- A service change and fallback procedure between UDI/RDI multimedia and speech is added;
- In order to avoid an unsuccess call setup for the mobiles without service change/fallback capability, a new Repeat Indicator value is needed;
- For the backwards compatibility with pre-Release 99 mobile, the STATUS message handling with the cause #100 ”conditional IE error” is specified;
- The reference of new TS "UDI/RDI Fallback and Service Modification; Stage 2" is needed.
- Additionally, the sections 5.3.6.3.1, 5.3.6.3.2, 5.3.6.3.3, 5.3.6.3.3.1 and 5.3.6.3.3.2 were removed as they are redundant with the "changing the call mode" procedure in 5.3.4.3.

Should the backward compatiibility handling be put in stage 2 ? Preference for 24.008. LS to SA1 from CN3 with the new TS for information only. 23.172 was inserted instead of ab.cde.

Conclusion : Agreed

N1-020822 : 24.008v530 CR#603, Vodafone, Type: CR , Title: Addition of new SPLIT_PG_CYCLE RESPONSE IE

Discussion : Mobiles are built so as the SPLIT_PG_CYCLE value could be absolutely anything. Some mobiles may use a value of, for example, 7. Others may use a value of, for example, 20. Currently, the only influence operators have on this value is in the procurement process. However, the value used by the mobile has a direct link to network paging capacity. Add new IE to ATTACH ACCEPT and RA UPDATE ACCEPT messages, and add a one-bit indication of support of this correction to the MS Radio Access Capability IE.

Is it intended for UTRAN and GERAN ? Probably both, but since the backward compatibility is handled with MS RAC it can only apply to GERAN. Layer 1 is influenced through this proposal and therefore the issue needs to be discussed in GERAN1 first. The MS is always influenced when coming to market the standby time to be announced. The response from the network to the MS could select certain values instead of the long list proposed. In UMTS it could be a valuable feature for paging delay as well. CN1 supported the principal. Reserved for all other values should be considered. The MS needs to confirm the feature before receiving this new IE due to synchronization. Category should be B and WI can be TEI5 (not GPRS) if the feature is complete with this or very little more work.

Conclusion : Rejected and LS OUT in 913 by Duncan

N1-020858 : 24.008v530 CR#607, Siemens, Type: CR , Title: Handling of SM STATUS(#81, #79) and invalid TI of Secondary PDP context

Discussion : 1.) The SM STATUS with cause value #81 is the reaction on a MODIFY PDP CONTEXT REQUEST or DEACTIVATE PDP CONTEXT REQUEST when these are identified by a transaction identifier that is currently not related to an active PDP context or a PDP context that is in process of activation or deactivation (section 8.3.2.). The reaction on the SM STATUS is implementation dependent as defined in 24.008 section 6.1.3.6. This may lead to the case that a SM instance does ignore the SM STATUS and continues the handling specified for PDP context modification or deactivation. This leads to the repetition of the request messages (and SM STATUS) and in case of PDP context modification to the case that the PDP context is not released as it should be done since the peer entity does not hold the corresponding instance.
2.) An ongoing procedure shall be aborted when a SM STATUS with (#79 Service or option not implemented, unspecified) is received.
3.) The error handling for a (primary) PDP context that is related to a wrong TI (section 8.3.2) needs also to be applied to a secondary PDP context.

Should be 97 and not cause value 79. Cause 95 is pointing to wrong subclause and was proposed as an included correction. What about multipel PDP context requests outstanding?

Conclusion : Revised to 914

N1-020914 : 24.008v530 CR#607r1, Siemens, Type: CR , Title: Handling of SM STATUS(#81, #97) and invalid TI of Secondary PDP context

Discussion : A discussion was on backward compatibility on the new bullet point.

Conclusion : Agreed

N1-020866 : (New TS 23.172 ? on SCUDIF), Ericsson, Type: TS , Title: UDI/RDI Fallback and Service Modification

Discussion : Not presented since a CN3 discussion and decision is needed first.

Conclusion : Revised to 912

N1-020912 : (New TS 23.172 ? on SCUDIF), Ericsson, Type: TS , Title: UDI/RDI Fallback and Service Modification

Discussion : Presented to CN1 for information. It has been agreed in CN3 already. This is the text to the TR 23.972 that was sent to TSGN#15 from CN1, but refered back to CN3 and CN1.

Conclusion : Noted

7.2 IMS documents for information

N1-020766 : Ericsson, Type: INFO , Title: 3GPP requirements on SIP, Internet Draft

Discussion : For information only.

Conclusion : Noted

N1-020773: Lucent T., Type: DISCUSSION, Title: Summary of current IETF documents on SIP

Discussion : A number of drafts has now been assigned numbers.

Conclusion : Noted

N1-020774 : Lucent T., Type: DISCUSSION, Title: Summary of current IETF documents on SIPPING

Discussion :

Conclusion : Noted

N1-010775 : Lucent T., Type: DISCUSSION, Title: Summary of current IETF documents on MMUSIC

Discussion : Offer-answer and IPv6 is now in, but sdp new may be the referenced one when a decision is made. Path in one direction and P-header in the other ?

Conclusion : Noted

N1-020776 : Lucent T., Type: DISCUSSION, Title: Summary of current IETF documents on SIMPLE

Discussion :

Conclusion : Noted

7.3 IMS Registration

N1-020743 : 24.229v500 CR#005, H3g, Type: CR, Title: Disallow Parallel Registrations

Discussion : There is a need to restrict the possibility of a UE to perform multiple registrations to ensure that the number of security associations stored in P-CSCF is restricted.

In case of non-attacker a response should be sent back was proposed. Due to detection this would be difficult. The P-CSCF handling was discussed,- but agreed that it should transfer all,- integrity protected or not. Forcing registration in sequence shall be mandated for the UE. Wrong spec version used ?

Conclusion : Revised to 906

N1-020906 : 24.229v500 CR#005r1, H3g, Type: CR, Title: Disallow Parallel Registrations

Discussion : Editorials and incorrect rev. no.

Conclusion : Revised to 959

N1-020959 : 24.229v500 CR#005r2, H3g, Type: CR, Title: Disallow Parallel Registrations

Discussion :

Conclusion : Agreed

N1-020761 : Ericsson, Type: DISCUSSION, Title: MRFC registration

Discussion : During the last CN1 meetings there has been some discussion about whether the MRFC has to register or not as any other user. This document discusses scenarios where a registration of the MRFC might simplify operation and maintenance of an operator's network.

If the endpoint is not part of the home network it will not be part of the I-CSCF. The IP-address given could be the address of MRFC instead of the I-CSCF.

Conclusion : Noted

N1-020780 : 24.229v500 CR#011, Lucent T., Type: CR, Title: Passing registration ICID

Discussion : Procedures are added to pass an instance of the <icid> XML element for SIP registration. The ICID is generated by the P-CSCF. It will be received and stored at the S-CSCF. The AS procedures are also modified to accept the <icid> for the 3rd party REGISTER.

CRs that touch subclause 5.4 are partioned, but the focus is on the technical part and not gathering them. When is the ICID generated or copied? What to do if the ICIDin SIP message is needed for charging of the SIP message.

Conclusion : Revised to 907

N1-020907 : 24.229v500 CR#011r1, Lucent T., Type: CR, Title: Passing registration ICID

Discussion :

Conclusion : Agreed

N1-020796 : 24.229v500 CR#027, Lucent T., Type: CR, Title: Determination of MOC / MTC in P-CSCF and S-CSCF

Discussion : The P/S-CSCF specifies a dedicated port, or it inserts a unique header parameter or username parameter in its SIP URL Path and Record-Route headers. The P/S-CSCF utilizes this information to detect the direction of the request. Related doc 859.

Conclusion : Rejected

N1-020797 : 24.229v500 CR#028, Lucent T., Type: CR, Title: Determination of MO / MT requests in I-CSCF(THIG)

Discussion : If topology hiding is required by the network the I-CSCF(THIG) has to be on the routing path. When the requests are exchanged between the P-CSCF and S-CSCF, the I-CSCF(THIG) has to know whether the received request was sent by the P-CSCF or S-CSCF. The proposed mechanism provides this capability.

Does the I-CSCF know if it is a MO or MT call ? Yes due to correlation between path and router header information. Align the wording here with the wording in 908. What happens when the information is received,- not only talk about where to put the information. The intention is to encrypt or decrypt.

Conclusion : Revised to 909

N1-020909 : 24.229v500 CR#028r1, Lucent T., Type: CR, Title: Determination of MO / MT requests in I-CSCF(THIG)

Discussion : Not needed in order for IMS to function, but gives freedom to operators. Wrongly understood since this is modification options on 3 parameters. Should have text stating ‘could be as eg. in these 3’.

Conclusion : Revised to 965

N1-020965 : 24.229v500 CR#028r2, Lucent T., Type: CR, Title: Determination of MO / MT requests in I-CSCF(THIG)

Discussion : Wrong revision number.

Conclusion : Revised to 970

N1-020970 : 24.229v500 CR#028r3, Lucent T., Type: CR, Title: Determination of MO / MT requests in I-CSCF(THIG)

Discussion :

Conclusion : Agreed

N1-020801 : 24.229v500 CR#032, Lucent T., Type: CR, Title: HSS Interaction

Discussion : Not available, withdrawn before the meeting.

Conclusion : Withdrawn

N1-020813 : 24.228v500 CR#005, Dynamicsoft, Type: CR, Title: Addition of Max-Forwards Header to Registration Flows

Discussion : RFC 3261 defines a mandatory header for all Requests Max-Forwards. Max-Forwards header added to all REGISTER, SUBSCRIBE and NOTIFY requests.

This is needed for all other requests as well, eg INVITE. Why is the default value 70 (recommended value)? To detect loop and permit sufficient high number for passing.

Conclusion : Agreed

N1-020851 : 24.229v500 CR#058, Lucent T., Type: CR, Title: Representing the registrar as a UA

Discussion :

Conclusion : Not treated due to time

N1-020861 : Siemens, Type: DISCUSSION, Title: Informational Internet Draft: Registration State Event Package

Discussion :

Conclusion : Not available

N1-020864 : 24.228v500 CR#015, Siemens, Type: CR, Title: Restructuring of P-CSCF Registration Sections

Discussion :

Conclusion : Not available

N1-020865 : 24.228v500 CR#016, Siemens, Type: CR, Title: Restructuring of UE Registration Sections

Discussion :

Conclusion : Not available

7.4 IMS Deregistration

N1-020798 : 24.229v500 CR#029, Lucent T., Type: CR, Title: User-initiated deregistration

Discussion : Currently the document specifies several actions taken by the S-CSCF during deregistration that should not be performed. Remove the bullet items that describe the redundant action.

Repeated discussion on expire header with 0. Alignment with 24.228 was argued as more important.

Conclusion : Rejected

7.5 IMS Configuration hiding

N1-020747 : 24.229v500 CR#007, Nokia, Type: CR, Title: Hiding

Discussion : After encryption the value is not a valid SIP URL. The encrypted string is transformed into a SIP URL.

Should have the procedure to make a valid SIP URL and not an example. Syntax error. Autonumbering,- turn off.

Conclusion : Revised to 910

N1-020910 : 24.229v500 CR#007r1, Nokia, Type: CR, Title: Hiding

Discussion :

Conclusion : Agreed

7.6 IMS Authentication

N1-020746 : 24.229v500 CR#006, Nokia, Type: CR , Title: Temporary IMPI insertion in all SIP messages

Discussion : It is proposed to generate a temporary identifier at S_CSCF each time a user registers to the network. That identifier then will need to be inserted in all SIP messages sent out by the UE.

This was not an agreeable CR from the discussion in the joint session with SA3.

Conclusion : Withdrawn

N1-020825 : 24.229v500 CR#041, Nokia, Type: CR, Title: Delivery of IMS security parameters from S-CSCF to the P-CSCF by using proprietary auth-param

Discussion : It is proposed to define a new 3GPP proprietary extension to the WWW-Authenticate header. This header is used in 401 Unauthorized response to the REGISTER originated by the UE. The S-CSCF shall insert this parameter to the 401 Unauthorized response during the registration procedure. The proposed parameter is capable of carrying integrity and optional confidentiality key. The P-CSCF shall remove this parameter containing IMS AKA session keys.

7.2.3.1 could have the wording 'directive' as in the RFC instead of 'parameter'. 7.2.3.3 text should be clarified, and a restructuring will be discussed. Both for S-CSCF and P-CSCF changes (which might come a step later). The syntax is described in a RFC (Bacus) which can be referenced via RFC 3261.

Conclusion : Revised to 915

N1-020915 : 24.229v500 CR#041r1, Nokia, Type: CR, Title: Delivery of IMS security parameters from S-CSCF to the P-CSCF by using proprietary auth-param

Discussion :

Conclusion : Agreed

N1-020826 : 24.228v500 CR#006, Nokia, Type: CR, Title: Delivery of IMS security parameters from S-CSCF to the P-CSCF by using proprietary auth-param.

Discussion : The content of this CR will be incorporated into 904 since these 2 CRs are colliding in same text area.

Conclusion : Rejected

N1-020827 : 24.229v500 CR#042, Nokia, Type: CR, Title: Delivery of IMS security parameters from S-CSCF to the P-CSCF by using proprietary header

Discussion :

Conclusion : Withdrawn

N1-020828 : 24.228v500 CR#007, Nokia, Type: CR, Title: Delivery of IMS security parameters from S-CSCF to the P-CSCF by using proprietary header

Discussion :

Conclusion : Withdrawn

N1-020829 : 24.229v500 CR#043, Nokia, Type: CR, Title: Delivery of IMS security parameters from S-CSCF to the P-CSCF by using XML body

Discussion :

Conclusion : Withdrawn

N1-020830 : 24.228v500 CR#008, Nokia, Type: CR, Title: Delivery of IMS security parameters from S-CSCF to the P-CSCF by using XML body

Discussion :

Conclusion : Withdrawn

N1-020845 : 24.228v500 CR#010, Nokia, Type: CR , Title: Integrity protection signal from P-CSCF to S-CSCF

Discussion : There is not yet mechanism defined to signal from the P-CSCF to the S-CSCF the integrity protection of the REGISTER request.

Proposed merge the authentication header into another CR,- the 904. That will be identical to the integrity defined one. Changes to clause 16 was requested to be included here.

Conclusion : Revised to 916

N1-020916 : 24.228v500 CR#010r1, Nokia, Type: CR , Title: Integrity protection signal from P-CSCF to S-CSCF

Discussion : Change to the tables is covered by another agreed CR in 904, but they are not changing any overlapping character. Clause affected is not filled in correct, and good practice here was requested.

Conclusion : Agreed

N1-020901 : 24.229v500 CR#053r1, Nokia, Type: CR , Title: Integrity protection signal from P-CSCF to S-CSCF

Discussion : There is not yet mechanism defined to signal from the P-CSCF to the S-CSCF the integrity protection of the REGISTER request. Revised from 844.

Conclusion : Agreed

N1-020903 : 24.229v500 CR#004r1, H3G, Type: CR, Title: S-CSCF Actions on Authentication Failure

Discussion : The situation described is not error cases which the title could indicate since it should not happen. Revised from 741.

Conclusion : Agreed

N1-020904 : 24.228v500 CR#002r1, Ericsson, Type: CR , Title: Update of the authorization flows

Discussion : Revised from 765.

Conclusion : Agreed

N1-020905 : 24.229v500 CR#060, Siemens, Type: CR, Title: Restructuring of S-CSCF Registration Sections

Discussion : Related to 908. Editorials needed. Make the changes only to the normal procedures now.

Conclusion : Revised to957

N1-020957 : 24.229v500 CR#060r1, Siemens, Type: CR, Title: Restructuring of S-CSCF Registration Sections

Discussion : Correct the TS number to the correct number.

Conclusion : Revised to 969

N1-020969 : 24.229v500 CR#060r2, Siemens, Type: CR, Title: Restructuring of S-CSCF Registration Sections

Discussion : Implement 907 before this one.

Conclusion : Agreed

7.7 IMS Call initiation

N1-020735 : 24.229v500 CR#001, NEC, Type: CR, Title: 24.229: Alignment with 23.815 regarding transport of charging correlation information

Discussion : Charging correlation information such as IOI and CCFAS is aligned with 23.815 and incorporated into 24.229. Transporting ICID and GPRS CID are also modified or incorporated into 24.229 based on 23.815. Besides that, registration procedure is modified for transporting charging information as specified in 23.815. Hierarchical structured ASs are also taken into account for transporting charging correlation information. On line charging procedure is not taken into account in this contribution because of unstableness in 23.815.

The overlapping Lucent contributions are in 778, 779 ,781, 782, which were handled in parallell. Could the many text repetitions be structered more effectively ? Is the I-CSCF charging handling as described that extensive, except for the hiding impact ? CDR information is mainly described as indicted in the relevant TS. Should SA5 be adviced on anything here ? The drafting session will merge parts from this to the revised Lucent CRs.

Conclusion : Rejected

N1-020736 : 24.229v500 CR#002, NEC, Type: CR, Title: 24.229: Alignment with 23.815 regarding overview of charging information

Discussion : As TS 23.815 was approved for Version 5 and now becomes under CR control during SA#15 Plenary, TS 24.229 needs to be aligned with 23.815 regarding transport of charging correlation information such as ICID, GPRS CID, CCFAS or IOI. These transportation procedures are widely and complicatly incorporated into 24.229 so that the overview of charging correlation information should be introduced before detail description of this procedure in 24.229.

Benefits were seen in such an overview that should be short and without requirements.

Conclusion : Revised to 920

N1-020920 : 24.229v500 CR#002r1, NEC, Type: CR, Title: 24.229: Alignment with 23.815 regarding overview of charging information

Discussion : Some off-line agreements to be done for consistency and clarity.

Conclusion : Revised to 966

N1-020966 : 24.229v500 CR#002r2, NEC, Type: CR, Title: 24.229: Alignment with 23.815 regarding overview of charging information

Discussion : Yellow colour could be removed, but also the comments here is needed to be removed. Styles and no intents must be respected.

Conclusion : Postponed

N1-020762 : Ericsson, Type: DISCUSSION, Title: XML body vs. SIP P- headers

Discussion : 3GPP has decided to use an XML encoded body as a means to transport some pieces of information that cannot be encoded in SIP messages. At the time of taking that decision as a working assumption, encoding of information in an extra body was the only available solution. Now, encoding of information as SIP P- headers becomes an alternative solution, so it requires a 3GPP evaluation to decide what is the best way to transport the extra information required by 3GPP.

Will this lead to the deletion of XML body eventually when all is transferred to P-headers by an I D per P-header. The work load beeing distributed among companies. Service-info: header (CN4 interest here), Alternative-service: header and text related with forwarding might be considered remaining in XML body. The UE aspects should be done firstly and asap. In some cases a grouping of headers could be accepted. Functional change after freezing in June makes a ‘complete’ transfer urgent and in parallell. Only the syntax of the header is needed in the I D. Different views on charging information becoming P-header(s),- but dynamicsoft stressed that it would be great negative performance impact to keep them in XML. The work to move from XML to P-header(s) should be done on a case by case basis when

CRs are provided and anticipating favorable review process via IESG and registration with IANA. A drafting session on XML body for possible P-headers to be done this week and start preparing CRs for possible inclusion when the IETF process comes closer to an accept. Sharing the work should be made in the drafting session as well. Miguel G. and Andrew A. is contacts.

Conclusion : Noted and the result of the P-headers drafting session comes in 911

N1-020763 : 24.228v500 CR#001, Ericsson, Type: CR, Title: Correction of the SDP references

Discussion : SDPnew I D will be ready for the Rel-5 timeframe.

Conclusion : Withdrawn

N1-020764 : 24.229v500 CR#008, Ericsson, Type: CR, Title: Support for services for unregistered users

Discussion : Alignment with stage 2 specifications regarding support for services for unregistered users.

The information to HSS when timer expires in terminating case is the state unregistered, informing HSS that the S-CSCF is no longer serving that user. You always go to the same S-CSCF for terminating calls wether registered or unregistered. Is removal of its own URL from Route header missing ? Yes. Some rephrasing needed. Flexibility of allocating S-CSCF capabilities also for different profiles of unregistered users (refer to CN4 discussion or agreement) seems to be a requirement. SA2 discussions ongoing were requested to be considered first.

Conclusion : Revised to 926

N1-020926 : 24.229v500 CR#008r1, Ericsson, Type: CR, Title: Support for services for unregistered users

Discussion : Not available.

Conclusion : Postponed

N1-020767 : 24.228v500 CR#003, Ericsson, Type: CR, Title: Correction to the terminating procedures

Discussion : The current text that describes how the S-CSCF builds the Route header and the Request-URI in terminating cases is not clear. Clarification on the procedures at the S-CSCF with respect Route headers and Request-URIs. Joining the bullets for registered and unregistered was complex, so separate sections were agreable. 'Revised' to 927 due to wrong TS for the CR# requested and allocated.

Conclusion : Rejected

N1-020927 : 24.229v500 CR#062, Ericsson, Type: CR, Title: Correction to the terminating procedures

Discussion :

Conclusion : Agreed

N1-020771 : Lucent T., Type: DISCUSSION, Title: Charging Correlation Information

Discussion : Linked to N1-020777, N1-020778, N1-020779, N1-020780, N1-020781, N1-020782. 3GPP TR 23.815 v1.2.0 is more stable and additional IMS charging requirements are ready to be implemented in 3GPP TS 24.229. This paper outlines an approach to define the stage 3 requirements for passing charging correlation information among IMS entities. Separate contributions will suggest the specific changes to 3GPP TS 24.229.

All on access network could be presented in one go. Which IMS entity finds out CCF is an open issue. NEC contributions cover the same as the Lucent ones, but more compressed instead of components per document. How to proceed was agreed to be in a drafting group and a way forward is to base the agreable parts on Lucent or NEC CRs or on an approach were the charging parts would be grouped in subclauses following the structure eg in clause 5.

Conclusion : Noted

N1-020778 : 24.229v500 CR#009, Lucent T., Type: CR, Title: Editorials for GPRS Charging ID

Discussion : Make GPRS Charging ID terminology in 24.229 consistent with 23.815. The XML definition and references to <gprs-charging-id> are changed to <gprs-charging-info>, which is a specific case of <access-network-info> containing <ggsn> and one or more <gcid> sub-elements for the GPRS access network. Also, the text for populating <access-network-info> is cleaned up.

Initial INVITE is not changed as it contains void and this CR only does modifications to existing text. What is a possible usage of the non-GPRS other access charging info? Is any stage 2 available?

Conclusion : Revised to 921

N1-020921 : 24.229v500 CR#009r1, Lucent T., Type: CR, Title: Editorials for GPRS Charging ID

Discussion :

Conclusion : Agreed

N1-020779 : 24.229v500 CR#010, Lucent T., Type: CR, Title: Passing GCID to AS

Discussion : Procedures are added to pass the GCID (access network charging information) from the S-CSCF to AS. The AS procedures are also modified to accept the entire charging vector. Reference to 23.815.

Conclusion : Revised to 922

N1-020922 : 24.229v500 CR#010r1, Lucent T., Type: CR, Title: Passing GCID to AS

Discussion :

Conclusion : Agreed

N1-020781 : 24.229v500 CR#012, Lucent T., Type: CR, Title: Passing IOI

Discussion : Procedures are added to pass the IOI from the S-CSCF to another 3GPP IMS network. The S-CSCF procedures are also modified to accept the received IOI. Both procedures apply to the IOI in the initial message sent to another network and the IOI of the other network that is included in the response to the initial message. IOI is added to the XML charging-vector element. Reference to 23.815.

Also when connecting to an AS the IOI should be included. Should the originating IOI and terminating IOI be named in some way?

Conclusion : Revised to 923

N1-020923 : 24.229v500 CR#012r1, Lucent T., Type: CR, Title: Passing IOI

Discussion : Two components were introduced for IOI, but should rather be IOI of the terminating and IOI of the originating network. Useful when reading it from the CDR.

Conclusion : Revised to 967

N1-020967 : 24.229v500 CR#012r2, Lucent T., Type: CR, Title: Passing IOI

Discussion :

Conclusion : Agreed

N1-020782 : 24.229v500 CR#013, Lucent T., Type: CR, Title: Passing charging function addresses

Discussion : Procedures are added to pass the off-line and on-line charging function addresses from the S-CSCF to other network entities within the same 3GPP IMS network. The AS, BGCF, MGCF, MRFC, I-CSCF and P-CSCF procedures are modified to accept the received off-line charging function addresses. The AS and MRFC procedures are modified to accept the on-line charging function addresses. Reference to 23.815.

The star in definition means that 1 or more addresses can be sent, and that covers the question that 2 CCF and 2 ECF addresses needs to be sent. The P-CSCF should defer 300 errors and above to the UE.

Conclusion : Revised to 924

N1-020924 : 24.229v500 CR#013r1, Lucent T., Type: CR, Title: Passing charging function addresses

Discussion : Normal procedures are somewhat mixed with abnormal cases so some rewording could improve this.

Conclusion : Agreed

N1-020802 : 24.229v500 CR#033, Lucent T., Type: CR, Title: SDP procedure at the UE

Discussion : To enable the P-CSCF and S-CSCF to monitor the media negotiation, the SDP should not be end-to-end encrypted. In addition, the latest version of the draft-ietf-sip-manyfolks-resource-05.txt utilises the offer/answer media negotiation mechanism, and employs the UPDATE method. This CR provides the text to reflect these changes.

Interaction with the user for updating media with reINVITE and else with UPDATE were discussed and not advised. Bulletpoint 3, 5 and 6 was questioned as needed. In 5 PRACK still contains the final SDP. Long debate on offer – answer and additionally counteroffer as the model that is the current model, revealing doubts on working assumption.

Conclusion : Revised to 932

N1-020932 : 24.229v500 CR#033r1, Lucent T., Type: CR, Title: SDP procedure at the UE

Discussion : Two camps on this issue,- one following SA2 and stage2 and the other the IETF draftings. The second sentence in the 'reason for change' should be deleted according to modifications made.

Conclusion : Revised to 968

N1-020968 : 24.229v500 CR#033r2, Lucent T., Type: CR, Title: SDP procedure at the UE

Discussion : Wrong revision level. The UE shall not encrypt the payload,- full stop (to be corrected).

Conclusion : Revised to 971

N1-020971 : 24.229v500 CR#033r3, Lucent T., Type: CR, Title: SDP procedure at the UE

Discussion :

Conclusion : Agreed

N1-020803 : 24.229v500 CR#034, Lucent T., Type: CR, Title: SDP-related procedures at the P-CSCF

Discussion : In order to monitor the media negotiation, and to provide media authorization information, the P-CSCF should incorporate the capability described in this CR.

Some is function of PCF (media authorization token, CN3) and other by P-CSCF,- to be described in their respective documents. Another proposal is to have P-CSCF/PCF in this document. Last sentence not agreed by many.

Conclusion : Rejected

N1-020805 : 24.228v500 CR#004, Nokia, Type: CR, Title: MO, S-S, MT #1a reference flow update

Discussion : N1-020697 (LS) and N1-020805. Update based on latest IETF RFCs and I-Ds, correction of mistakes.

No loose routing (the parameter) is included. Some or many comments need to be incorporated,- like options should be left in their old place in order not to open SA2 discussion on services again. Reasoning for changes were requested, but they have been discussed in previous meetings. The 'QoS' and 'Service Control' boxes were controversial. The changes related to Privacy draft should be delayed until that I D is more stable,- some parts to be removed ? An agreed model is needed to be agreed in order to make CRs and distribute the workload in the next CN1 meeting.

Conclusion : Revised to 933

N1-020933 : 24.228v500 CR#004r1, Nokia, Type: CR, Title: MO, S-S, MT #1a reference flow update

Discussion : N1-020697 (LS) and N1-020805.

Conclusion : Agreed

N1-020806 : 24.229v500 CR#035, Nokia, Type: CR, Title: AS Procedures corrections

Discussion : Handling of Route header at AS in different B2BUA modes are clarified.

Wrong base version is used. Autonumbering not allowed. TABs and other odd stuff. A 'might be' to be corrected.

Conclusion : Revised to 934

N1-020934 : 24.229v500 CR#035r1, Nokia, Type: CR, Title: AS Procedures corrections

Discussion :

Conclusion : Agreed

N1-020814 : 24.229v500 CR#037, Dynamicsoft, Type: CR, Title: Enhancement of S-CSCF and I-CSCF Routing Procedures for interworking with external networks

Discussion : The current 24.229 routeing procedures are only a subset of those specified in RFC 3261 and are only guaranteed to be valid for loose routeing between Proxies within the IM CN subsystem and will not work for external networks containing strict routing proxies compliant to RFC 2543 or RFC 2543Bis 05 or earlier. The current text contains an Editor's note that "The text on routeing needs to be enhanced to ensure interworking with RFC 2543 and RFC 2543bis networks.." indicating that enhancement is needed to ensure interworking with external SIP networks, (including interoperator transit networks).

In 5.4.3.2 the case seems not to be possible. Clarification needed to 5.3.2. Why do we need this text since all is based on SIP routing descriptions? Leave 5.3.2.1 as is and only touch 5.3.2.2. In 4.3 changes was requested.

Conclusion : Revised to 928

N1-020928 : 24.229v500 CR#037r1, Dynamicsoft, Type: CR, Title: Enhancement of S-CSCF and I-CSCF Routing Procedures for interworking with external networks

Discussion : The rapporteur will correct spelling on routing.

Conclusion : Agreed

N1-020839 : 24.229v500 CR#049, Lucent T., Type: CR, Title: Forking options

Discussion : Major capabilities are inserted for both UA and proxy roles covering forking capabilities. The essence is that: - support of handing of multiple forked requests being merged at the UAS, and the reception of multiple forked reponses at the UAC, specified as being mandatory in IETF, will remain mandatory in 3GPP; and, at the proxy forking requests at a stateful proxy is optional in IETF, and will become n/a in 3GPP.

Some part of the table was discussed as affecting only the UAclient and not the UAserver, but no change needed.

Conclusion : Agreed

N1-020840 : 24.229v500 CR#050, Lucent T., Type: CR, Title: Media-Authorization header corrections

Discussion : The status in IETF of the Media-Authorization header has changed to become a P-header, with an associated change in name. The profile tables are also incomplete in regard to this header, and this CR completes those details.

Conclusion : Conditionally agreed depending on CR#054 (N1-020847), which was agreed,- AGREED

N1-020846 : Lucent T., Type: DISCUSSION, Title: P-headers for original-dialog-id and charging-vector

Discussion : IETF had indicated XML message bodies as the appropriate mechanism for specifying 3GPP specific data within SIP messages. As such, XML definitions have been created for several things, including original-dialog-id and charging-vector. More recently, IETF has decided that the P-header mechanism is more appropriate for data that it interpreted by any SIP entity other than the UA endpoints. This paper describes a proposal for two internet drafts for the P-headers needed for original-dialog-id and charging-vector. Based on comments received, the drafts will be updated prior to submitting to IETF as informational drafts. Separate contributions will be written later to suggest the specific changes to 3GPP TS 24.229 to align with the P-header internet drafts.

Comments are welcomed as off-line inputs.

Conclusion : Noted

N1-020859 : 24.228v500 CR#011, Siemens, Type: CR, Title: Determination of MOC / MTC at P-CSCF and S-CSCF

Discussion : The tdoc list indicates wrong reference TS, since it was requested against 24.228. However the CR has been written against 24.229. It is proposed that P-CSCF adds during registration an indication for MTC to its own entry in the Path header. When receiving a MTC message, the topmost Route header entry is a copy of this Path header entry. The same is proposed for the S-CSCF. Additional minor re-structuring and clarifications are made to the registration section for the S-CSCF (5.4.1.2). Related to 796.

Both CRs proposes to insert it in the Path. Port numbers could be benefitial for the second part. The tag implementation is local and it should be enough to standardize where to put the information, and since that part shall not be modified the response is understood and independent of different vendor implementations. This content is used as base for merging comments and parts of 796. New CR # for 24.229 is 061 in the 'revised' 908.

Conclusion : Rejected

N1-020908 : 24.229v500 CR#061, Siemens, Type: CR, Title: Determination of MOC / MTC at P-CSCF and S-CSCF

Discussion : 5.4.1.2.1 section is changed by many CRs.

Conclusion : Revised to 958

N1-020958 : 24.229v500 CR#061r1, Siemens, Type: CR, Title: Determination of MOC / MTC at P-CSCF and S-CSCF

Discussion :

Conclusion : Agreed

N1-020862 : 24.228v500 CR#013, Siemens, Type: CR, Title: Determination of Served User at P-CSCF and S-CSCF

Discussion :

Conclusion : Not available

7.8 IMS Call clearing

N1-020799 : 24.229v500 CR#030, Lucent T., Type: CR, Title: P-CSCF release of an existing session

Discussion : Upon receipt of an indication that radio coverage is no longer available for a served user, for whom one or more ongoing session exists, the P-CSCF shall release each dialog by utilising the locally stored Route and the Contact information. The current text does not adequately describe the procedure of P-CSCF acquiring the Contact information.

Not part of the spec to tell why it is stored. 'In order to release the dialog' to be deleted. Missing the CR#.

Conclusion : Revised to 938

N1-020938 : 24.229v500 CR#030r1, Lucent T., Type: CR, Title: P-CSCF release of an existing session

Discussion :

Conclusion : Agreed

N1-020800 : 24.229v500 CR#031, Lucent T., Type: CR, Title: S-CSCF release of an existing session

Discussion : The CR proposes additional text that describes how does the S-CSCF aquier routing information for the purpose of terminating an existing session. And again the CR number has not been inserted on the coverpage.

Should S-CSCF behavior be described or refered to ? A synchronization with another CR from Miguel in 927 is needed since they are overlapping in some text.

Conclusion : Revised to 939

N1-020939 : 24.229v500 CR#031r1, Lucent T., Type: CR, Title: S-CSCF release of an existing session

Discussion :

Conclusion : Agreed

N1-020860 : 24.228v500 CR#012, Siemens, Type: CR, Title: Loose Routing for Network Initiated Call Release Procedures

Discussion : During the last CN1 meeting the procedures for loose routing and network initiated call release were introduced in parallel. This CR applies loose routing to the network initiated call release procedures.

Wrong spec requested as base for the CR, so 'revised' in 940. Different comments needed to take into the revision. Also a conflict with 938.

Conclusion : Rejected

N1-020940 : 24.229v500 CR#063, Siemens, Type: CR, Title: Loose Routing for Network Initiated Call Release Procedures

Discussion : The rapporteur will remove 'Contributers note'.

Conclusion : Agreed

7.9 IMS Abnormal cases and error handling

N1-020789 : 24.229v500 CR#020, Lucent T., Type: CR, Title: MGCF procedure error cases

Discussion : The editor's notes are removed. Procedure added to describe what happens when no matching codec is found. Procedure added to report an error condition with BYE to the UE.

Can MGCF not having a codec for the INVITE exist since AMR is a default. The case should then describe only the case of no resources available. 'Error info' should have a 'may' and not a 'shall'.

Conclusion : Revised to 935

N1-020935 : 24.229v500 CR#020r1, Lucent T., Type: CR, Title: MGCF procedure error cases

Discussion : Should be supported header.

Conclusion : Revised to 960

N1-020960 : 24.229v500 CR#020r2, Lucent T., Type: CR, Title: MGCF procedure error cases

Discussion :

Conclusion : Agreed

7.10 Other IMS issues

N1-020737 : 24.229v500 CR#003, NEC, Type: CR, Title: 24.229: Clarifications to multiple filter criteria for supporting different type of AS

Discussion : At transition period, different types of ASs may be collocated under a S-CSCF. For example, at transition period from SIP-AS to OSA-SCS, there are two type of ASs collocated under a S-CSCF. However, current text is not described clearly about this situation.

Without these additions would not it be the same,- and if it is a requirement it should not be described as a note. Regardless of AS types the filtercriteria should be the done in the same way. Actually it is outside the scope of S-CSCF to know which type of AS is on the other side of the open interface. All combinations of colocations are allowed as today with HLR separate or included with MSC.

Conclusion : Rejected

N1-020772 : Lucent T., Type: DISCUSSION, Title: MRFC interface details

Discussion : Linked to N1-020783, N1-020784, N1-020785, N1-020786. The details of the MRFC interface with the AS (via the S-CSCF) are currently described as FFS. If the details for the basic operations are not defined, then only proprietary solutions will be available in Rel-5. This paper outlines an approach to define this interface. Separate contributions will suggest the specific changes to 3GPP TS 24.229.

Conclusion : Noted

N1-020783 : 24.229v500 CR#014, Lucent T., Type: CR, Title: MRFC INVITE interface details

Discussion : Corrupt version that needs replacement, also on the 3GPP server. See also comments to 784.

Conclusion : Postponed

N1-020784 : 24.229v500 CR#015, Lucent T., Type: CR, Title: MRFC OPTIONS interface details

Discussion : Procedures are modified to refer to an XML mechanism for specifying the capabilities of an MRFC. The XML document type definition is also provided.

Are we creating a new protocol between AS and MRFC ? There are many questions and areas that need to be understood, and the timeschedule left for Rel-5 is very short. Maybe a propriatary solution for Rel-5 is acceptable in order to align with mainstream discussions and ongoing standardization. On top of this SIP protocol new elements are introduced to make the AS – MRFC interface. One operator opposed most of the vendors which requested more time to study this.

Conclusion : Postponed

N1-020785 : 24.229v500 CR#016, Lucent T., Type: CR, Title: MRFC selection option at S-CSCF

Discussion : Not available, withdrawn before the meeting.

Conclusion : Withdrawn

N1-020786 : 24.229v500 CR#017, Lucent T., Type: CR, Title: AS to MRFC optimized signaling

Discussion : See also comments to 784.

Conclusion : Postponed

N1-020787 : 24.229v500 CR#018, Lucent T., Type: CR, Title: Corrections to original-dialog-id

Discussion : IETF rfc2543bis-09 (soon to be RFC 3261) now identifies a dialog with tag fields on the To and From headers instead of using the To and From header values directly. The definition and use of the original-dialog-id field needs to be updated to align with the IETF change.

Conclusion : Agreed

N1-020788 : 24.229v500 CR#019, Lucent T., Type: CR, Title: MGCF procedure clarification

Discussion : Provide clarity on where MGCF sends INVITE that it generates for calls originated from circuit-switched networks.

Conclusion : Agreed

N1-020790 : 24.229v500 CR#021, Lucent T., Type: CR, Title: MGCF OPTIONS interface details

Discussion : N1-020790 depends on N1-020784.

Conclusion : Postponed

N1-020792 : 24.229v500 CR#023, Lucent T., Type: CR, Title: Clarification of SIP usage outside IM CN subsystem

Discussion : Informative material is introduced indicating that GPRS can be used to signal with SIP proxies outside the IM CN subsystem. Such communication is outside the scope of this specification.

Is not the first sentence covering the issue? Shorten the note was acceptable, but not needed.

Conclusion : Agreed

N1-020793 : 24.229v500 CR#024, Lucent T., Type: CR, Title: Replacement of COMET by UPDATE

Discussion :

Conclusion : Not treated due to time

N1-020795 : 24.229v500 CR#026, Lucent T., Type: CR, Title: Clarification of B2BUA usage in roles

Discussion : The current text implies that a number of functions are proxies, when they are more precisely described using the proxy documentation, but a number of changes make them formally B2BUAs.

Is it 'may' modify ? Comments to rewordings to be done in a revision.

Conclusion : Revised to 941

N1-020941 : 24.229v500 CR#026r1, Lucent T., Type: CR, Title: Clarification of B2BUA usage in roles

Discussion :

Conclusion : Agreed

N1-020808 : 24.229v500 CR#036, Nortel, Type: CR, Title: Corrections to SIP Compression

Discussion : The current text on SIP compression in 24.229 is incorrect as a result of agreements by SA2 in 23.221. Also the referenced IETF draft is obsolete. IETF has specified SIP signalling compression procedures in a new IETF draft draft-ietf-rohc-sigcomp-05 and dictionary. Also, as negotiation of the compression algorithm is not needed with SigComp, the first SIP message may already be compressed. 831, 832 and 838 is related.

Can not reference a non existing IETF document (dictionaries). However the dictionary is needed and mandatory, and it is expected in bundle 3 in June, so a note on this is better. Keeping the reference now gives a precedence problem. Should not SDP be compressed as well ? Make wording covering the message (or PDU) which includes the tables etc. Could header level 3 be deleted or is 'void' needed. The spec is under change control but not frozen. If no other specs reference them it could be upto CN1 to agree on the way forward. Minimizing delay ? Agreed to keep the CR as is with an agreed modification in text.

Conclusion : Revised to945

N1-020945 : 24.229v500 CR#036r1, Nortel, Type: CR, Title: Corrections to SIP Compression

Discussion :

Conclusion : Agreed

N1-020809 : 24.229/24.228, Nortel, Type: DISCUSSION, Title: Introduction of Early Media

Discussion :

Conclusion : Not available

N1-020815 : 24.229v500 CR#038, Dynamicsoft, Type: CR, Title: Use of P-Headers for 3GPP specific Headers

Discussion : The current working assumption has been to utilise the XML body for those parameters that are 3GPP specific. However RFC 3261 specifcally prohibits proxies from modifying or adding to the contents of the body. The recommended IETF approach is now to use proprietary SIP headers (P-headers) for those headers that are specific to a particular application such as 3GPP. The P-headers require an information internet draft to be submitted to IETF and should also be documented in 24.229.

Are we able to discuss this in Madrid meeting ? Yes if the related drafts are available. Regarded as premature, but a step in right direction. The discussion can be opened again when the P-header drafts mature.

Conclusion : Rejected

N1-020818 : Ericsson, Type: DISCUSSION, Title: Consideration of SIP timers for 3GPP

Discussion : A new chapter to 24.229 is proposed to state the SIP default timer values in 3GPP. The proposed chapter is described in N1-020819. Default times and interrelation is looked at. A lift of individual timers are considered.

Repetitions on the air interface should be avoided by choosing the timer values. And compression is taken into evaluation. This work was well received but more time were requested to make some more company research on this. The timer values for UE to P-CSCF does not necessarily be the same as for other hops in the network, but this must be studied further if it can be done safely. How long time is acceptable to achieve a successful connection and is not necessarily the time the user is willing to wait since timers is meant for extreme cases. Most timers are related to T1, and relations as defined in SIP should be kept also for 3GPP. But companies will study if 3GPP should adjust only

timers related to IMS on the air interface, or if all need to be changed. The default value on T1 is essential and seems to need extension,- and both UTRAN and GERAN should be considered.

Conclusion : Noted

N1-020819 : 24.229v500 CR#039, Ericsson, Type: CR, Title: SIP timer default values

Discussion :

Conclusion : Withdrawn

N1-020820 : 24.229v500 CR#040, Ericsson, Type: CR, Title: Introduction of IMS signalling flag

Discussion : N1-020691 (LS) and N1-020820 are related. It is proposed to set the IMS signalling flag whenever a context intended for IMS shall be activated or modified.
The flag indicates thet the PDP context shall be used for signalling (e.g. SIP, DNS and DHCP).
The PCO field is currently not included in PDP context modification messages.

Some corrections were not needed. Should the new header 9.2.2 be 9.2.1a instead of renumbering the others ? The APN should not be of any indication to set the signalling PDP context, only the signalling flag when the intention in the UE is to eestablish that PDP context for signalling. Downlink signalling flag should not happen. Stage 2 wording alignment ? Comments on stage 2 regarding SIP signalling restriction ambiguity and selection of specific context in GGSN could be addressed to SA2 in a LS. A possible Modify request with container (protocol configiration option?) is not possible to go over a pre Rel-5 SGSN.

Conclusion : Revised to 946 and LS OUT in 947 by Atle

N1-020946 : 24.229v500 CR#040r1, Ericsson, Type: CR, Title: Introduction of IMS signalling flag

Discussion : Some concern to DNS and DHCP ? This is the working assumption stated in the 947 LS. Shall different PDP context be set up for these signalling different from SIP ? Many felt that should be the case until SA2 tell otherwise. This is postponed for next meeting to avoid editors note on the open issue to allow DNS and DHCP.

Conclusion : Postponed

N1-020821 : 24.008v530 CR#602, Ericsson, Type: CR, Title: Upgrading of PDP context modification due to IMS

Discussion : Introduction of PCO-field in PDP context modification messages.

The PCO was only intended from UE to network. Is this intended for IMS only ? Category F is OK as long as there exists requirements, which seems to be applicable for more than IMS. Some companies were not ready to accept the changes due to unclearity for backward compatibility. A question to SA2 was requested to query their position on this since some delagates are challenging the sentence in stage 2 (23.228), so it will be included in LS Tdoc 947.

Conclusion : Rejected

N1-020823 : Vodafone, Type: DISCUSSION, Title: Accessing IMS services using a R99/Rel-4 USIM

Discussion : It has been agreed by SA1 and specified in the stage one description in 3GPP TS22.101 that IMS service shall be accessible when the user inserts a R99/Rel-4 USIM into a Rel-5 IMS UE. This does not preclude the use of an ISIM. This paper aims to analyse the impact of this decision on CN1 specifications.

Same set of vectors for the UMTS as for IMS could be a problem. Only SQN was changed by SA3 when they looked at this. Network domain name was brought up on how to derive it (reference tag hardcoded in the MS ?),- and decision on this will be taken outside CN1. The handling should be handled mainly in HSS and reduce specific flows in 24.228. Even if CN4 is primary responsibel on 23.003, CN1 could take the lead on this ? A LS out in 875 will now be written. No major holes were identified, but many details were raised with possible solutions.

Conclusion : Noted and LS OUT in 875 by Duncan

N1-020837 : 24.229v500 CR#047, Lucent T., Type: CR, Title: Simplification of profile tables

Discussion : In annex A, a number of headers are common to all the response tables in each method. A simplification of the representation can be obtained by placing these common headers in each method in a separate table for each method. The contribution also covers the issue of a number of status-codes that do not currently appear, as they have no special headers defined for their action.

Is this a step in right direction for readability and shortening the spec pagenumbers. It was and more CRs will follow to complete the job.

Conclusion : Agreed

N1-020838 : 24.229v500 CR#048, Lucent T., Type: CR, Title: Revision of signalling compression text to introduce new IETF drafts

Discussion :

Conclusion : Rejected

N1-020842 : 24.008v530 CR#604, Nokia, Type: CR, Title: Support for IMS media Multiplexing in Session Management - TFT enhancement

Discussion : N1-020691, N1-020842 and N1-020820 are related. Due to SA2's decision on allowing the possibility to multiplex several media components into one PDP context, it should be possible to carry multiple Auth Tokens in TFT in 3GPP Rel-5 Session Management. However, the current coding of TFT does not allow more than one authorization token per PDP context. Currently, 23.207 states that the binding information consists of one authorisation token and several flow IDs. However, this situation may change in Rel-6. In order to avoid future interworking problems between Rel-5 and Rel-6 networks, it is seen much more feasible to remove this restriction already from Rel-5. Furthermore, in current Rel-5 specifications, the possibility of having media components of different IMS sessions in the same PDP context is not precluded.

A problem area is clearing of one of the sessions, especially for Rel-5. What is the benefits of multiplexing sessions into one PDP context ? Multiplexing media components to single PDP context may not need multiple authorisation tokens. This is a SA2 question which needs to be brought to their attention, wether to allow more than one IMS session on one PDP context, and then also the need to have more than one Authorization token (CN3 question) to one PDP context? If this CR is accepted a 24.229 modification is needed saying that this capability of two Authorization tokens to one PDP context shall not be used.
In Rel-5 also the SGSN error handling should be defined.
GGSN needs to know how to correlate more than one flow identifiers with more than one authorization token.
How can the network know if the UE releases the PDP context when it has closed the last session on that PDP context ? It may already happen in the current IMS concept for Rel-5 that the UE has got two valid tokens as a consequence of two parallel sessions.

Conclusion : Rejected

N1-020847 : 24.229v500 CR#054, Lucent T., Type: CR, Title: Representing IM CN subsystem functional entities in profile table roles

Discussion : Currently the profile tables are not able to show a dependency on the functional entities. Therefore in the major capabilities tables, some capabilities have to be left optional with related notes, rather than giving a precise specification.

Why is the Note not made normative ?

Conclusion : Agreed

N1-020911 : Dynamicsoft, Ericsson et all, Type: DISCUSSION, Title: Output of drafting session for P-headers

Discussion : Work was distributed on named drafts for majority agreed P-headers. A review to improve if possible in CN1 Madrid meeting would be benefitial but can not be anything else than individual contributions to IETF,- but some are risking to arrive as late documents. Could a sort of 24.229 extensions be used for identification ease ? Not acceptable to header naming rules within IETF nor to other organizations.

Conclusion : Noted

7.11 Minor IMS issues

N1-020791 : 24.229v500 CR#022, Lucent T., Type: CR, Title: Abbreviations clean up

Discussion : Where is Multimedia Resource Control Function Processor used. XML abbreviation 'extendable'?

Conclusion : Revised to949

N1-020949 : 24.229v500 CR#022r1, Lucent T., Type: CR, Title: Abbreviations clean up

Discussion :

Conclusion : Agreed

N1-020794 : 24.229v500 CR#025, Lucent T., Type: CR, Title: Incorporation of current RFC numbers

Discussion : Not presented.

Conclusion : Revised to 936

N1-020936 : 24.229v500 CR#025r1, Lucent T., Type: CR, Title: Incorporation of current RFC numbers

Discussion :

Conclusion : Not treated due to time

N1-020835 : 24.229v500 CR#045, Lucent T., Type: CR, Title: Cleanup of request / response terminology - clause 5

Discussion : Consistency on use of brackets.

Conclusion : Agreed

N1-020836 : 24.229v500 CR#046, Lucent T., Type: CR, Title: Cleanup of request / response terminology - clause 6

Discussion : Alignment of usage within document and with RFC 3261.

Conclusion : Agreed

N1-020841 : 24.229v500 CR#051, Lucent T., Type: CR, Title: Clause 5.4 editorials (S-CSCF)

Discussion : Various editorial and minor amendments throughout text not resulting in technical change. Changes of significance are as follows:
- clause 5.4.1.2.2 - conversion of normative requirement on Cx interface to HSS to become part of the conditional for the normative SIP action.
- clause 5.4.5.1.2 - some minor restructuring of the item list to make it flow correctly from the introductory sentences to the list.

Agreed with the change that it impacts Core Network as a category F. Collision with another CR is handled by taking that part out from here.

Conclusion : Revised to 950

N1-020950 : 24.229v500 CR#051r1, Lucent T., Type: CR, Title: Clause 5.4 editorials (S-CSCF)

Discussion :

Conclusion : Agreed

N1-020848 : 24.229v500 CR#055, Lucent T., Type: CR, Title: Clause 4 editorials

Discussion : Not actually an editorial ?

Conclusion : Agreed

N1-020849 : 24.229v500 CR#056, Lucent T., Type: CR, Title: Clause 5.8 editorials (MRFC)

Discussion :

Conclusion : Agreed

N1-020850 : 24.229v500 CR#057, Lucent T., Type: CR, Title: Annex A editorials, including precondition additions

Discussion :

Conclusion : Not treated due to time

N1-020852 : 24.229v500 CR#059, Lucent T., Type: CR, Title: Additional definitions

Discussion : New terms defined (filter criteria, initial filter criteria) by reference to 23.218.

Conclusion : Agreed

N1-020856 : 24.008v530 CR#605, Motorola, Type: CR, Title: Minor correction to TFT

Discussion :

Conclusion : Not treated due to time

7.12 IMS: 23.218

N1-020738 : 23.218v500 CR#001, NEC, Type: CR, Title: 23.218: Alignment with 23.815 regarding transport of charging correlation information

Discussion : Some agreable part(s) will be merged into 937.

Conclusion : Rejected

N1-020768 : 23.218v500 CR#002, Ericsson, Type: CR, Title: HSS providing to the S-CSCF the subset of the relevant end user profile

Discussion : Not presented.

Conclusion : Revised to 917

N1-020917 : 23.218v500 CR#002r1, Ericsson, Type: CR, Title: HSS providing to the S-CSCF the subset of the relevant end user profile

Discussion : Reading 23.218, one can understand that the HSS can only request downloading of the full set of IMPU's iFC (i.e., registered and unregistered). CN4 Ft Lauderdale agreed to use as working assumption that the S-CSCF can request download of: 1) registered; 2) unregistered; or 3) both profiles. See N4-020364 & 020388. This CR implements this agreement.

Why should the unregistered profile be downloaded alone ? It is not an option to download so rewording is needed. Some introductory text were asked for.

Conclusion : Revised to 954

N1-020954 : 23.218v500 CR#002r2, Ericsson, Type: CR, Title: HSS providing to the S-CSCF the subset of the relevant end user profile

Discussion : Section 6.3,- profile 'of' the user instead of to. Previously is the term.

Conclusion : Revised to 972

N1-020972 : 23.218v500 CR#002r3, Ericsson, Type: CR, Title: HSS providing to the S-CSCF the subset of the relevant end user profile

Discussion :

Conclusion : Agreed

N1-020769 : 23.218v500 CR#003, Ericsson, Type: CR, Title: Clarification on SPI related text

Discussion : Not presented.

Conclusion : Revised to 918

N1-020918 : 23.218v500 CR#003r1, Ericsson, Type: CR, Title: Clarification on SPI related text

Discussion : At the CN1 Oulu meeting, the meeting drastically changed the SPI/filter criteria section (i.e.5.2). We reread the resulting changes & observe that: 1) we need to add further clarifications; 2) need to align other sections (e.g., 6) with these changes. Furthermore, CN4 Ft Lauderdale agreed to use as working assumption that the S-CSCF can request download of: 1) registered; 2) unregistered; or 3) both profiles. See N4-020364 & 020388.

99% is OK and well received. The remaing % is for the revision. The encoding of initial filter criteria should be handled in CN4 or ? Not recursively handling, but from top to bottom according to priority. Restore the sentence saying that the S-CSCF is checking the direction, originating or terminating request.

Conclusion : Revised to 953

N1-020953 : 23.218v500 CR#003r2, Ericsson, Type: CR, Title: Clarification on SPI related text

Discussion :

Conclusion : Agreed

N1-020770 : Ericsson, Type: DISCUSSION, Title: Grouping of the Filter Criteria per their usage Direction

Discussion :

Conclusion : Not available

N1-020777 : 23.218v500 CR#004, Lucent T., Type: CR, Title: Passing charging correlation information

Discussion : Not presented.

Conclusion : Revised to 937

N1-020937 : 23.218v500 CR#004r1, Lucent T., Type: CR, Title: Passing charging correlation information

Discussion : CDR abbreviation should be Charging Detail Record could be included, but Data Record can be used as well. Only one IOI is sent from network A.

Conclusion : Agreed

N1-020810 : 23.218v500 CR#005, NEC, Type: CR, Title: 23.218: Clarifications to multiple filter criteria for supporting different type of AS

Discussion : Clarifications to current text of 23.218 in order that different types of ASs are assigned for a multiple filter criteria at certain period.

As a reminder this is change to a frozen release, but a little more flexibility to essentiality is given except for introducing new features. Not needed since S-CSCF does not see the other side of the interface, even the content is acceptable. Can be done as described but no need for specifying this in 23.218 and 24.229 since they already allow the described situation of colocated network identities.

Conclusion : Rejected

N1-020811 : 23.218v500 CR#006, Dynamicsoft, Type: CR, Title: Correction of terminology in 23.218 regarding Offer-counter offer answer

Discussion : The Offer/Counter-offer/Answer model with SIP is no longer a working assumption for SIP within IETF, and is replaced with Offer/Answer with Preconditions.

Is the terminology used the correct one ? Remove ‘basic’ to improve it ? Yes. The problem with this new model is that it is open, ie is not clear when the final stage has been reached.

Conclusion : Revised to 951

N1-020951 : 23.218v500 CR#006r1, Dynamicsoft, Type: CR, Title: Correction of terminology in 23.218 regarding Offer-counter offer answer

Discussion :

Conclusion : Agreed

N1-020812 : 23.218v500 CR#007, Dynamicsoft, Type: CR, Title: Filtering for services for unregistered user.

Discussion : Downloading of Service Profile and Filter Criteria for unregistered user upon terminating request is missing from 23.218. Text has been added to clarify that for a terminating initial request for an unregistered subscriber the service profile and initial filter criteria is downloaded from the HSS.

It was questioned if it was necessary to check if the user was registered or not before downloading ? In CN4 it seems as S-CSCF can ask for downloading of either unregistered or registered (subscriber) profile or both of them.

Conclusion : Revised to 952

N1-020952 : 23.218v500 CR#007r1, Dynamicsoft, Type: CR, Title: Filtering for services for unregistered user.

Discussion : The content (or parts of it) is merged to N1-020953. Not available.

Conclusion : Withdrawn

N1-020834 : 23.218v500 CR#008, Lucent T., Type: CR, Title: S-CSCF behavior in case of error from ApplicationServer in response to REGISTER

Discussion :

Conclusion : Not treated due to time

8 Release 6 work items

8.1 Presence

N1-020744 : H3G, Type: DISCUSSION, Title: Presence Service Clarifications needed for work split and scope

Discussion : Comments were requested off line.

Conclusion : Noted

N1-020804 : Lucent T., Type: DISCUSSION, Title: Discussion on documentation for Presence

Discussion : The current stage 2 material on presence, documented by Working Group SA2, is contained within 3GPP TR 23.841. The current version is 0.5.0. There is an intent that when the material reaches stability, that the material is transferred to documents of TS status, in a similar manner as occurred for the documentation of the IM CN subsystem. It would be expected that there would be changes to TS 23.002, as well as possible a more specific stage 2 TS.

In Madrid meeting a joint session with SA2 might be of interest for information to flow bothways on this and other issues. All the Ps are reference points and not interfaces. Some would be SIP based protocols. Should the WID be revised for CN1 now more pieces are known. MESSAGE method is one possible path forward and may be a Rel-6 WI?

Conclusion : Noted

8.2 MBMS (Multimedia Broadcast Multicast Services)

N1-020739 : H3g, Type: WID, Title: Proposed WI: MBMS

Discussion : Nokia to be added as supporting company. CN1 is defined as taking the lead and the WID has been endorced by CN4. An update of this WID will come in CN1#24. This should be a WorkTask and linked to the feature or BB WID that exist,- insert this in this WID. SA has a WID for 23.060.

Conclusion : Postponed

8.3 Other Rel-6 issues

N1-020831 : Nokia, Type: DISCUSSION, Title: SIP Compression

Discussion :

Conclusion : Not available

N1-020832 : 24.229v500 CR#044 , Nokia, Type: CR, Title: SIP Compression

Discussion :

Conclusion : Not treated due to time

N1-020833 : 24.228v500 CR#009 , Nokia, Type: CR, Title: SIP Compression

Discussion :

Conclusion : Not available

9 LS OUT (output liaison statements)

N1-020871 : Rouzbeh, Type: LS OUT , **To:** RAN3, **Cc:** Title: [DRAFT] Reply LS on Size of Attach Request message

Discussion : Rewordings proposed.

Conclusion : Revised to 931

N1-020931 : Rouzbeh, Type: LS OUT , **To:** RAN3, **Cc:** Title: Reply LS on Size of Attach Request message

Discussion :

Conclusion : Agreed

N1-020872 : **Arnaud**, Type: LS OUT , **To:** RAN2, S2, **Cc:** Title: [DRAFT] Liaison Statement on UMTS to GSM change during signalling phase of CS call setup

Discussion : Not presented.

Conclusion : Revised to 929

N1-020929 : Hannu, Type: LS OUT , **To:** RAN2, **Cc:** Title: [DRAFT] Liaison Statement on UMTS to GSM change during signalling phase of CS call setup

Discussion : On-line edited, only for RAN2.

Conclusion : Revised to 930

N1-020930 : Hannu, Type: LS OUT , **To:** RAN2, S2, **Cc:** Title: Liaison Statement on UMTS to GSM change during signalling phase of CS call setup

Discussion :

Conclusion : Agreed

N1-020873 : Hannu, Type: LS OUT , **To:** RAN2, **Cc:** Title: Reply to LS on UE behaviour when network fails authentication procedure

Discussion : No agreed CRs out of this meeting,- postponed.

Conclusion : Withdrawn

N1-020874 : Inmaculada, Type: LS OUT , **To:** SA1, **Cc:** GERAN2, Title: Response to the LS “Access dependent services and features for GERAN Iu mode”

Discussion :

Conclusion : Agreed

N1-020875 : Duncan, Type: LS OUT,**To:** SA1, SA2, **Cc:** CN4, Title: Liaison Statement on IMS Access with a R99/REL-4 USIM

Discussion : Derived from MCC and MNC maybe more correct for HDN. Rewordings on 'solution' part ?

Conclusion : Agreed

N1-020876 : Mark B., Type: LS OUT , **To:** SA2, **Cc:** , Title: Proposed response to LS on SIP compression

Discussion :

Conclusion : Agreed

N1-020877 : Keith, Type: LS OUT , **To:** SA2, **Cc:** CN3, Title: [DRAFT] Liaison Statement on adapting to IETF improvements contained in "unified draft"

Discussion : Bullet point 1 was not agreeable, and comments on the others were also done. However the current situation was stated as working assumptions and SA2 is to comment on this. However no compromise could be reached. This issue is expected to be part of a joint session with SA2 in Madrid.

Conclusion : Rejected

N1-020878 : Arnaud, Type: LS OUT , **To:** T1, **Cc:** Title: Liaison Statement on Network initiated PDP context activation request for an already activated PDP context (on the mobile station side) from T1.

Discussion :

Conclusion : Agreed

N1-020884 : Hannu, Type: LS OUT , **To:** RAN2, **Cc:** , Title: Correction to CS domain specific system information

Discussion :

Conclusion : Agreed

N1-020902 : Kevan, Type: LS OUT , **To:** SA3, **Cc:** , Title: [DRAFT] Reply Liaison Statement 'Issues with SA handling at P-CSCF'

Discussion : Changes to reference and attachment.

Conclusion : Revised to 961

N1-020961 : Kevan, Type: LS OUT , **To:** SA3, **Cc:** , Title: Reply Liaison Statement 'Issues with SA handling at P-CSCF'

Discussion :

Conclusion : Agreed

N1-020913: Duncan, Type: LS OUT,**To:** TSG GERAN, **Cc:** , Title: [DRAFT] Liaison Statement on SPLIT_PG_CYCLE value

Discussion : Not agreed as essential correction to Rel-5, or was it seen as a hole in the specification ? 4 companies were of the opinion to not correct this. Granularity and value range to be reworded.

Conclusion : Revised to 962

N1-020962: Duncan, Type: LS OUT,**To:**TSG GERAN, **Cc:**, Title: Liaison Statement on SPLIT_PG_CYCLE value

Discussion :

Conclusion : Agreed

N1-020947: Atle, Type: LS OUT, **To:** SA2, **Cc:** CN3, Title: [DRAFT] Liaison Statement 'Clarification of IMS signalling flag'

Discussion :

Conclusion : Agreed

N1-020948: Georg, Type: LS OUT, **To:** SA2, SA5, **Cc:,** Title: Liaison statement on Charging at I-CSCF

Discussion :

Conclusion : Agreed

10 Late and misplaced documents

This agenda item is for the chairmans temporary placement during the meeting, while in this document those not handled are mostly marked ‘Not treated due to time’ as conclusion, but could also be concluded with ‘Not available’.

11 Any Other Business (AOB)

None provided.

12 Closing of the meeting

18:00 Friday 12.04.2002

Review of dates and hosts for future meetings

Meeting schedule for CN1 in 2002

3GPP Meeting	Date	Place	Host
N1-SIPadhoc0201	14-18 January 2002	Phoenix, USA	ATTWS
N1#22	28 January-1 February 2002	Sophia Antipolis, France	ETSI
N1#22bis	19-21 February 2002	Oulu, Finland	Elisa Communications, Finnet, Nokia, Sonera, Viestintävirasto
TSGN#15	**6-8 March 2002**	**Korea**	**TTA**
N1#23	8-12 April 2002	Fort Lauderdale, FL, USA	NA ‘Friends of 3GPP’
N1-SIPadhoc0204	23-25 April 2002	Madrid, Spain	Telefonica, Ericsson
N1#24	13-17 May 2002	Budapest, Hungary	Ericsson
TSGN#16	**5-7 June 2002**	**Marco Island, FL, USA**	**Motorola**
N1#25	29.July-2.August 2002	Helsinki, Finland	Sonera
TSGN#17	**4-6 September 2002**	**France**	**Alcatel**
N1#26	23-27 September 2002	USA ?	?
N1#27	11-15 November 2002	Bangkok, Thailand	Japanese Friends of 3GPP
TSGN#18	**4-6 December 2002**	**New Orleans ?, USA**	**NA ‘Friends of 3GPP’**

Annex A Joint meeting report SA3 - CN1

Please see section 6.

Annex B List of participants

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Annex C Agreed CRs

TDoc #	Spec	CR #	Rev	CAT	Rel	C_Version	Tdoc Title	Type	WI	Status
N1-020879	23.009	066	2	C	Rel-5	5.0.0	Sending of RANAP Location	CR	TEI	AGREED

							Reporting Control on the E Interface			
N1-020972	23.218	002	3	F	Rel-5	5.0.0	HSS providing to the S-CSCF the subset of the relevant end user profile	CR	IMS-CCR	AGREED
N1-020953	23.218	003	2	F	Rel-5	5.0.0	Clarification on SPI related text	CR	IMS-CCR	AGREED
N1-020937	23.218	004	1	F	Rel-5	5.0.0	Passing charging correlation information	CR	IMS-CCR	AGREED
N1-020951	23.218	006	1	F	Rel-5	5.0.0	Correction of terminology in 23.218 regarding Offer-counter offer answer	CR	IMS-CCR	AGREED
N1-020885	24.007	046	1	F	R99	3.8.0	RR protocol message type octet	CR	GSM/ UMTS interworking	AGREED
N1-020886	24.007	047	1	A	Rel-4	4.1.0	RR protocol message type octet	CR	GSM/ UMTS interworking	AGREED
N1-020892	24.007	048	1	F	R99	3.8.0	Clarification of the extension mechanism for type 4 IEs	CR	TEI	AGREED
N1-020893	24.007	049	1	A	Rel-4	4.1.0	Clarification of the extension mechanism for type 4 IEs	CR	TEI	AGREED
N1-020887	24.008	535	2	F	Rel-4	4.6.0	Correction of codec negotiation procedure	CR	TRFO-OOB	AGREED
N1-020888	24.008	536	2	A	Rel-5	5.3.0	Correction of codec negotiation procedure	CR	TRFO-OOB	AGREED
N1-020748	24.008	551	3	C	Rel-5	5.3.0	Service change and fallback for UDI/RDI multimedia multimediacalls	CR	SCUDIF	AGREED
N1-020894	24.008	554	2	F	Rel-5	5.3.0	Restriction of the 0kbits maximum bitrate	CR	TEI5	AGREED
N1-020720	24.008	572	1	F	R99	3.11.0	Support of UMTS AMR 2 in R99	CR	OoBTC	AGREED
N1-020881	24.008	579	1	F	R99	3.11.0	Correction to CS domain specific system information	CR	GSM/ UMTS interworking	AGREED
N1-020882	24.008	580	1	A	Rel-4	4.6.0	Correction to CS domain specific system information	CR	GSM/ UMTS interworking	AGREED
N1-020883	24.008	581	1	A	Rel-5	5.3.0	Correction to CS domain specific system information	CR	GSM/ UMTS interworking	AGREED
N1-020725	24.008	593		F	R99	3.11.0	Correction of repeat indicator IE	CR	TEI	AGREED
N1-020726	24.008	594		A	Rel-4	4.6.0	Correction of repeat indicator IE	CR	TEI	AGREED
N1-020727	24.008	595		A	Rel-5	5.3.0	Correction of repeat indicator IE	CR	TEI	AGREED
N1-020728	24.008	596		F	R99	3.11.0	Removal of the coding rules of type 4 IEs	CR	TEI	AGREED
N1-020729	24.008	597		A	Rel-4	4.6.0	Removal of the coding rules of type 4 IEs	CR	TEI	AGREED
N1-020730	24.008	598		A	Rel-5	5.3.0	Removal of the coding rules of type 4 IEs	CR	TEI	AGREED
N1-020889	24.008	599	1	F	R99	3.11.0	R97 and R99 Compatibility	CR	GSM/	AGREED

									UMTS interworking	
N1-020895	24.008	600	1	F	Rel-4	4.6.0	Correction to text on DTMF handling	CR	CSSPLIT	AGREED
N1-020896	24.008	601	1	A	Rel-5	5.3.0	Correction to text on DTMF handling	CR	CSSPLIT	AGREED
N1-020914	24.008	607	1	F	Rel-5	5.3.0	Handling of SM STATUS(#81, #97) and invalid TI of Secondary PDP context	CR	TEI5	AGREED
N1-020890	24.008	611		A	Rel-4	4.6.0	R97 and R99 Compatibility	CR	GSM/ UMTS interworking	AGREED
N1-020891	24.008	612		A	Rel-5	5.3.0	R97 and R99 Compatibility	CR	GSM/ UMTS interworking	AGREED
N1-020904	24.228	002	1	F	Rel-5	5.0.0	Update of the authorization flows	CR	IMS-CCR	AGREED
N1-020933	24.228	004	1	F	Rel-5	5.0.0	MO, S-S, MT #1a reference flow update	CR	IMS-CCR	AGREED
N1-020813	24.228	005		F	Rel-5	5.0.0	Addition of Max-Forwards Header to Registration Flows	CR	IMS-CCR	AGREED
N1-020916	24.228	010	1	F	Rel-5	5.0.0	Integrity protection signal from P-CSCF to S-CSCF	CR	IMS-CCR	AGREED
N1-020903	24.229	004	1	C	Rel-5	5.0.0	S-CSCF Actions on Authentication Failure	CR	IMS-CCR	AGREED
N1-020959	24.229	005	2	C	Rel-5	5.0.0	Disallow Parallel Registrations	CR	IMS-CCR	AGREED
N1-020910	24.229	007	1	F	Rel-5	5.0.0	Hiding	CR	IMS-CCR	AGREED
N1-020921	24.229	009	1	D	Rel-5	5.0.0	Editorials for GPRS Charging ID	CR	IMS-CCR	AGREED
N1-020922	24.229	010	1	F	Rel-5	5.0.0	Passing GCID to AS	CR	IMS-CCR	AGREED
N1-020907	24.229	011	1	F	Rel-5	5.0.0	Passing registration ICID	CR	IMS-CCR	AGREED
N1-020967	24.229	012	2	F	Rel-5	5.0.0	Passing IOI	CR	IMS-CCR	AGREED
N1-020924	24.229	013	1	F	Rel-5	5.0.0	Passing charging function addresses	CR	IMS-CCR	AGREED
N1-020787	24.229	018		F	Rel-5	5.0.0	Corrections to original-dialog-id	CR	IMS-CCR	AGREED
N1-020788	24.229	019		D	Rel-5	5.0.0	MGCF procedure clarification	CR	IMS-CCR	AGREED
N1-020960	24.229	020	2	F	Rel-5	5.0.0	MGCF procedure error cases	CR	IMS-CCR	AGREED
N1-020949	24.229	022	1	D	Rel-5	5.0.0	Abbreviations clean up	CR	IMS-CCR	AGREED
N1-020792	24.229	023		D	Rel-5	5.0.0	Clarification of SIP usage outside IM CN subsystem	CR	IMS-CCR	AGREED
N1-020941	24.229	026	1	D	Rel-5	5.0.0	Clarification of B2BUA usage in roles	CR	IMS-CCR	AGREED
N1-020970	24.229	028	3	B	Rel-5	5.0.0	Determination of MO / MT requests in I-CSCF(THIG)	CR	IMS-CCR	AGREED
N1-020938	24.229	030	1	F	Rel-5	5.0.0	P-CSCF release of an existing session	CR	IMS-CCR	AGREED
N1-020939	24.229	031	1	F	Rel-5	5.0.0	S-CSCF release of an	CR	IMS-	AGREED

							existing session		CCR	
N1-020971	24.229	033	3	C	Rel-5	5.0.0	SDP procedure at the UE	CR	IMS-CCR	AGREED
N1-020934	24.229	035	1	F	Rel-5	5.0.0	AS Procedures corrections	CR	IMS-CCR	AGREED
N1-020945	24.229	036	1	C	Rel-5	5.0.0	Corrections to SIP Compression	CR	IMS-CCR	AGREED
N1-020928	24.229	037	1	F	Rel-5	5.0.0	Enhancement of S-CSCF and I-CSCF Routing Procedures for interworking with external networks	CR	IMS-CCR	AGREED
N1-020915	24.229	041	1	F	Rel-5	5.0.0	Delivery of IMS security parameters from S-CSCF to the P-CSCF by using proprietary auth-param	CR	IMS-CCR	AGREED
N1-020835	24.229	045		D	Rel-5	5.0.0	Cleanup of request / response terminology - clause 5	CR	IMS-CCR	AGREED
N1-020836	24.229	046		D	Rel-5	5.0.0	Cleanup of request / response terminology - clause 6	CR	IMS-CCR	AGREED
N1-020837	24.229	047		D	Rel-5	5.0.0	Simplification of profile tables	CR	IMS-CCR	AGREED
N1-020839	24.229	049		C	Rel-5	5.0.0	Forking options	CR	IMS-CCR	AGREED
N1-020840	24.229	050		C	Rel-5	5.0.0	Media-Authorization header corrections	CR	IMS-CCR	AGREED
N1-020950	24.229	051	1	C	Rel-5	5.0.0	Clause 5.4 editorials (S-CSCF)	CR	IMS-CCR	AGREED
N1-020901	24.229	053	1	F	Rel-5	5.0.0	Integrity protection signal from P-CSCF to S-CSCF	CR	IMS-CCR	AGREED
N1-020847	24.229	054		B	Rel-5	5.0.0	Representing IM CN subsystem functional entities in profile table roles	CR	IMS-CCR	AGREED
N1-020848	24.229	055		D	Rel-5	5.0.0	Clause 4 editorials	CR	IMS-CCR	AGREED
N1-020849	24.229	056		D	Rel-5	5.0.0	Clause 5.8 editorials (MRFC)	CR	IMS-CCR	AGREED
N1-020852	24.229	059		D	Rel-5	5.0.0	Additional definitions	CR	IMS-CCR	AGREED
N1-020969	24.229	060	2	F	Rel-5	5.0.0	Restructuring of S-CSCF Registration Sections	CR	IMS-CCR	AGREED
N1-020958	24.229	061	1	F	Rel-5	5.0.0	Determination of MOC / MTC at P-CSCF and S-CSCF	CR	IMS-CCR	AGREED
N1-020927	24.229	062		F	Rel-5	5.0.0	Correction to the terminating procedures	CR	IMS-CCR	AGREED
N1-020940	24.229	063		F	Rel-5	5.0.0	Loose Routing for Network Initiated Call Release Procedures	CR	IMS-CCR	AGREED
N1-020853	29.018	029		F	R99	3.9.0	Various clean-up of wrong references, as eg 24.008 instead of 04.18	CR	TEI	AGREED
N1-020854	29.018	030		F	Rel-4	4.3.0	Various clean-up of wrong references, as eg 24.008 instead of 44.018	CR	TEI4	AGREED
N1-020855	29.018	031		A	Rel-5	5.1.0	Various clean-up of wrong references, as eg 24.008 instead of 44.018	CR	TEI4	AGREED

CRs for e-mail agreement

None

Documents Endorsed by N1

None

Annex D Tdoc list (incl. the status)

Agenda	TDoc #	Tdoc Title	Source	Spec	WI	C_Version	Rel	CAT	CR #	Rev	Type	Comments	Status
3	N1-020598	Liaison Statement on coordination of data definitions, identified in GUP development	T2								LS IN	T2-020254, To: S3, S4, S5, N1, N4, N5, T3 Cc: S1, S2 Forwarded from CN1#22bis	NOTED
2	N1-020673	Agenda (FtLauderdale0204)	Chairman								AGENDA		AGREED
2	N1-020674	MOMfrom TSGN#15	MCC								REPORT		NOTED
2	N1-020675	MOMfrom TSGS#15	MCC								REPORT		NOTED
4	N1-020676	Latest workplan for review	MCC								WORK PLAN		NOTED
4	N1-020677	CN1 spec responsibility after TSG#15	MCC								REPORT		NOTED
4	N1-020678	CN1 IMS open items list	Chairman								WORK PLAN		REVISED TO 955
3	N1-020679	Liaison Statement on Size of Attach Request message	RAN3								LS IN	R3-020702, To: CN1	LS OUT in 871
3	N1-020680	Response to SA2 on Liaison statement on the transparent transfer via SGSN of application level information between UE and GGSN.	CN4								LS IN	N4-020295, To: SA2 CC: CN1	NOTED
3	N1-020681	Response Liaison Statement on Trace and Availability of IMSI and IMEI	CN4								LS IN	N4-020302, To: SA5, SA3, RAN 2, GERAN 2 Cc: RAN 3, CN1	NOTED
3	N1-	LS on UMTS->GSM	RAN2								LS	R2-020595,	LS OUT

	020682	handover during signalling phase of CS call setup									IN	To: CN1	in 872
3	N1-020683	Response to LS (N1-011253) on UE behaviour when network fails authentication procedure	RAN2								LS IN	R2-020596, To: CN1	LS OUT in 873
3	N1-020684	Access dependent services and features for GERAN Iu mode	SA1								LS IN	S1-020472, To: CN1, CN3, GERAN2 CC: SA2	LS OUT in 874
3	N1-020685	Re: LS on IMS number portability	SA1								LS IN	S1-020512, To: SA2 CC: CN1	NOTED
3	N1-020686	Liaison Statement on Access to IMS Services using 3GPP release 99 and release 4 UICCs	SA1								LS IN	S1-020577, To: SA3, T3, CN1 CC: SA2, SA5	LS OUT in 875
3	N1-020687	Liaison Statement on Service change and fallback for UDI/RDI multimedia calls	SA1								LS IN	S1-020610, To: CN CC: CN1, CN3, CN4	NOTED
3	N1-020688	LS on Priority Service Feasibility Study TR - draft	SA1								LS IN	S1-020642, To: SA2, SA3, SA5, CN1, CN4, RAN2, RAN3, T2, T3	NOTED
3	N1-020689	LS on “sip compression”	SA2								LS IN	S2-020859, To: CN1 CC: T2	LS OUT in 876
3	N1-020690	Response LS on Shared network scenarios considered by TSG-RAN3	SA2								LS IN	S2-020860, To: RAN3, SA1, RAN, SA CC: CN4, CN1, GERAN, SA5	NOTED
3	N1-020691	LS on Relation of number of IMS media components and PDP contexts	SA2								LS IN	S2-020866, To: CN1, CN3	NOTED
3	N1-020692	Liaison Statement on "SIP Signalling requirements”	SA2								LS IN	S2-020867, To: RAN2, GERAN CC: CN1	NOTED
3	N1-020693	Response to the LS “requesting that the IMS Charging ID (ICID) is provided to access network”	SA2								LS IN	S2-020876, To: SA5, CN3 CC: SA1, CN1	NOTED
3	N1-020694	Liaison Statement Reply to "Status of the Generic User Profile Work"	SA2								LS IN	S2-020886, To: GUP joint Ad-Hoc CC: SA1, SA3, SA4,	NOTED

												SA5, T2, T2 GUP ad hoc, T3, CN1, CN4, CN5	
3	N1-020695	Liaison Statement on "Prefix allocation for IPv6 stateless address autoconfiguration"	SA2								LS IN	S2-020910, To: CN1, CN2, CN3, SA3, SA5, T1, T2 CC: CN, T	NOTED
3	N1-020696	LS on Stage 2 for use of USIMs and ISIMs for IMS	SA2								LS IN	S2-020912, To:CN1,SA3, T3 CC: SA1, CN4	Merged to LS OUT in 875
3	N1-020697	LS on adapting to IETF improvements contained in “unified draft”	SA2								LS IN	S2-020914, To: CN1, CN3, CN4 CC: SA, CN	LS OUT in 877
3	N1-020698	LS regarding SDP bandwidth attributes in TS 24.228	SA4								LS IN	S4-020195, To: CN1, SA2	NOTED
3	N1-020699	Liaison Statement on Network initiated PDP context activation request for an already activated PDP context (on the mobile station side)	T1								LS IN	T1-020174, To: CN1	LS OUT in 878
5	N1-020700	Sending of RANAP Location Reporting Control on the E Interface	Alcatel	23.009	TEI	3.9.0	R99	F	064	1	CR		REJECTED
5	N1-020701	Sending of RANAP Location Reporting Control on the E Interface	Alcatel	23.009	TEI	4.3.0	Rel-4	A	065	1	CR		REJECTED
5	N1-020702	Sending of RANAP Location Reporting Control on the E Interface	Alcatel	23.009	TEI	5.0.0	Rel-5	A	066	1	CR		REVISED TO 879
5	N1-020703	Authentication not accepted by MS	Nokia / Hannu Hietalahti	24.008	TEI	3.11.0	R99	F	576		CR		REVISED TO 943
5	N1-020704	Authentication not accepted by MS	Nokia / Hannu Hietalahti	24.008	TEI	4.6.0	Rel-4	A	577		CR		REVISED TO 944
5	N1-020705	Authentication not accepted by MS	Nokia / Hannu Hietalahti	24.008	TEI	5.3.0	Rel-5	A	578		CR		REVISED TO 880
5	N1-020706	Correction to CS domain specific system information	Nokia / Hannu Hietalahti	24.008	GSM/ UMTS interworking	3.11.0	R99	F	579		CR		REVISED TO 881
5	N1-020707	Correction to CS domain specific system information	Nokia / Hannu Hietalahti	24.008	GSM/ UMTS interworking	4.6.0	Rel-4	A	580		CR		REVISED TO 882
5	N1-020708	Correction to CS domain specific system information	Nokia / Hannu Hietalahti	24.008	GSM/ UMTS interworking	5.3.0	Rel-5	A	581		CR		REVISED TO 883

5	N1-020709	RR protocol message type octet	Nokia / Hannu Hietalahti	24.007	GSM/ UMTS interworking	3.8.0	R99	F	046		CR		REVISED TO 885
5	N1-020710	RR protocol message type octet	Nokia / Hannu Hietalahti	24.007	GSM/ UMTS interworking	4.1.0	Rel-4	A	047		CR		REVISED TO 886
5	N1-020711	R97 and R99 QoS handling	Nokia / Hannu Hietalahti	24.008	GSM/ UMTS interworking	3.11.0	R99	F	582		CR		REJECTED
5	N1-020712	R97 and R99 QoS handling	Nokia / Hannu Hietalahti	24.008	GSM/ UMTS interworking	4.6.0	Rel-4	A	583		CR		REJECTED
5	N1-020713	R97 and R99 QoS handling	Nokia / Hannu Hietalahti	24.008	GSM/ UMTS interworking	5.3.0	Rel-5	A	584		CR		REJECTED
5	N1-020714	MS behaviour in GSM to UMTS system change	Nokia / Miika Peltonen	24.008	GSM/ UMTS interworking	3.11.0	R99	F	585		CR		Not available
5	N1-020715	MS behaviour in GSM to UMTS system change	Nokia / Miika Peltonen	24.008	GSM/ UMTS interworking	4.6.0	Rel-4	A	586		CR		Not available
5	N1-020716	MS behaviour in GSM to UMTS system change	Nokia / Miika Peltonen	24.008	GSM/ UMTS interworking	5.3.0	Rel-5	A	587		CR		Not available
7.01	N1-020717	Updating the DRX parameter value	Nokia / Miika Peltonen	24.008	TEI6	5.3.0	Rel-6	C	588		CR		REVISED TO 919
5	N1-020718	Correction of codec negotiation procedure	Siemens	24.008	TRFO-OOB	4.6.0	Rel-4	F	535	1	CR		REVISED TO 887
5	N1-020719	Correction of codec negotiation procedure	Siemens	24.008	TRFO-OOB	5.3.0	Rel-5	A	536	1	CR		REVISED TO 888
5	N1-020720	Support of UMTS AMR 2 in R99	Siemens	24.008	OoBTC	3.11.0	R99	F	572	1	CR		AGREED
7.01	N1-020721	Indication of support of LCS via PS domain in Iu-mode	Siemens	24.008	LCS	5.3.0	Rel-5	F	589		CR		Not available
5	N1-020722	Impact of regional roaming restrictions on the MM state	Siemens	24.008	GSM/ UMTS Interworking	3.11.0	R99	F	590		CR		REJECTED
5	N1-020723	Impact of regional roaming restrictions on the MM state	Siemens	24.008	GSM/ UMTS Interworking	4.6.0	Rel-4	A	591		CR		REJECTED
5	N1-020724	Impact of regional roaming restrictions on the MM state	Siemens	24.008	GSM/ UMTS Interworking	5.3.0	Rel-5	A	592		CR		WITHDRAWN
5	N1-020725	Correction of repeat indicator IE	Siemens	24.008	TEI	3.11.0	R99	F	593		CR		AGREED
5	N1-020726	Correction of repeat indicator IE	Siemens	24.008	TEI	4.6.0	Rel-4	A	594		CR		AGREED

5	N1-020727	Correction of repeat indicator IE	Siemens	24.008	TEI	5.3.0	Rel-5	A	595		CR		AGREED
5	N1-020728	Removal of the coding rules of type 4 IEs	Siemens	24.008	TEI	3.11.0	R99	F	596		CR		AGREED
5	N1-020729	Removal of the coding rules of type 4 IEs	Siemens	24.008	TEI	4.6.0	Rel-4	A	597		CR		AGREED
5	N1-020730	Removal of the coding rules of type 4 IEs	Siemens	24.008	TEI	5.3.0	Rel-5	A	598		CR		AGREED
5	N1-020731	Clarification of the extension mechanism for type 4 IEs	Siemens	24.007	TEI	3.8.0	R99	F	048		CR		REVISED TO 892
5	N1-020732	Clarification of the extension mechanism for type 4 IEs	Siemens	24.007	TEI	4.1.0	Rel-4	A	049		CR		REVISED TO 893
5	N1-020733	R97 and R99 QoS handling	Nokia / Hannu Hietalahti	24.007	GSM/ UMTS interworking	3.8.0	R99	F	050		CR		REJECTED
5	N1-020734	R97 and R99 QoS handling	Nokia / Hannu Hietalahti	24.007	GSM/ UMTS interworking	4.1.0	Rel-4	A	051		CR		REJECTED
7.07	N1-020735	24.229: Alignment with 23.815 regarding transport of charging correlation information	NEC/Yukio Kawanami	24.229	IMS-CCR	5.0.0	Rel-5	F	001		CR		REJECTED
7.07	N1-020736	24.229: Alignment with 23.815 regarding overview of charging information	NEC/Yukio Kawanami	24.229	IMS-CCR	5.0.0	Rel-5	F	002		CR		REVISED TO 920
7.10	N1-020737	24.229: Clarifications to multiple filter criteria for supporting different type of AS	NEC/Yukio Kawanami	24.229	IMS-CCR	5.0.0	Rel-5	F	003		CR		REJECTED
7.12	N1-020738	23.218: Alignment with 23.815 regarding transport of charging correlation information	NEC/Yukio Kawanami	23.218	IMS-CCR	5.0.0	Rel-5	F	001		CR		REJECTED
8.2	N1-020739	Proposed WI: MBMS	H3G		MBMS		Rel-5				WID		POSTPONED
6	N1-020740	Proposed Change to 24.229, S-CSCF actions on authentication failure	H3G		IMS-CCR		Rel-5				DISC		NOTED
6	N1-020741	S-CSCF Actions on Authentication Failure	H3G	24.229	IMS-CCR	5.0.0	Rel-5	C	004		CR		REVISED TO 903
6	N1-020742	Handling of Security Associations	H3G		IMS-CCR		Rel-5				DISC		NOTED
7.03	N1-020743	Disallow Parallel Registrations	H3G	24.229	IMS-CCR	5.0.0	Rel-5	C	005		CR		REVISED TO 906
8.01	N1-020744	Presence Service Clarifications needed for work split and scope	H3G		PRESENCE						DISC		NOTED

6	N1-020745	Temporary IMPI for IMS	Bajkó Gábor/Nokia				Rel-5				DISC		NOTED
7.06	N1-020746	Temporary IMPI insertion in all SIP messages	Bajkó Gábor/Nokia	24.229	IMS-CCR	5.0.0	Rel-5	F	006		CR		WITHDRAWN
7.05	N1-020747	Hiding	Bajkó Gábor/Nokia	24.229	IMS-CCR	5.0.0	Rel-5	F	007		CR		REVISED TO 910
7.01	N1-020748	Service change and fallback for UDI/RDI multimedia multimediacalls	Ericsson	24.008	SCUDIF	5.3.0	Rel-5	C	551	3	CR		AGREED
5	N1-020749	Restriction of the 0kbits maximum bitrate	Ericsson	24.008	GPRS	3.11.0	R99	F	552	1	CR		REJECTED
5	N1-020750	Restriction of the 0kbits maximum bitrate	Ericsson	24.008	GPRS	4.6.0	Rel-4	A	553	1	CR		REJECTED
5	N1-020751	Restriction of the 0kbits maximum bitrate	Ericsson	24.008	GPRS	5.3.0	Rel-5	A	554	1	CR		REVISED TO 894
3	N1-020752	Reply to N4-020302: Response Liaison Statement on Trace and Availability of IMSI and IMEI	SA3								LS IN	S3-020157, To: CN4 CC: SA5, GERAN2, RAN2, RAN3, CN1	NOTED
3	N1-020753	Reply LS on support for subscriber certificates	SA3								LS IN	S3-020163, To: SA1 CC: CN1, CN4, SA5, T2, T3	NOTED
3	N1-020754	LS on “Requirements on Presence Service”	SA3								LS IN	S3-020165, To: SA1, SA2 CC: CN1	NOTED
3	N1-020755	Security for UE functional split, reply to S1-020300	SA3								LS IN	S3-020166, To: SA1 CC: SA2, T2, CN1, GERAN	NOTED
3	N1-020756	LS reply on: Priority Service Feasibility Study - draft TR 22.950 v1.0.0	SA5								LS IN	S5-020198, To: SA1 CC: SA2, SA3, SA5, CN1, CN4, RAN2, RAN3, T2, T3	NOTED
3	N1-020757	LS on S-CSCF change	SA2								LS IN	S2-020913, To: CN1, CN4 CC:	NOTED
3	N1-020758	Response to the LS “Access dependent services and features for GERAN Iu mode”	GERAN 2								LS IN	G2-020400, To: SA1 CC:SA2, CN1, CN3	NOTED
3	N1-020759	Response to "Response Liaison Statement on Trace and Availability of IMSI and IMEI"	GERAN 2								LS IN	G2-020399, To: CN4 CC: RAN 3, CN1, SA5, SA3, RAN 2	NOTED

3	N1-020760	Response on P-CSCF behaviour after an integrity failure	SA3								LS IN	S3-020160, To: CN1 CC:	NOTED
7.03	N1-020761	MRFC registration	Ericsson, M. Garcia								DISC		NOTED
7.07	N1-020762	XML body vs. SIP P-headers	Ericsson, M. Garcia								DISC		NOTED
7.07	N1-020763	Correction of the SDP references	Ericsson, M. Garcia	24.228	IMS-CCR	5.0.0	Rel-5	F	001		CR		WITHDRAWN
7.07	N1-020764	Support for services for unregistered users	Ericsson, M. Garcia	24.229	IMS-CCR	5.0.0	Rel-5	B	008		CR		REVISED TO 926
6	N1-020765	Update of the authorization flows	Ericsson, M. Garcia	24.228	IMS-CCR	5.0.0	Rel-5	F	002		CR		REVISED TO 904
7.02	N1-020766	3GPP requirements on SIP, Internet Draft	Ericsson, M. Garcia								INFO		NOTED
7.07	N1-020767	Correction to the terminating procedures	Ericsson, M. Garcia	24.228	IMS-CCR	5.0.0	Rel-5	F	003		CR		REJECTED
7.12	N1-020768	HSS providing to the S-CSCF the subset of the relevant end user profile	Ericsson	23.218	IMS-CCR	5.0.0	Rel-5	F	002		CR		REVISED TO 917
7.12	N1-020769	Clarification on SPI related text	Ericsson	23.218	IMS-CCR	5.0.0	Rel-5	F	003		CR		REVISED TO 918
7.12	N1-020770	Grouping of the Filter Criteria per their usage Direction	Ericsson		IMS-CCR						DISC		Not available
7.07	N1-020771	Charging Correlation Information	Lucent Technologies / Eric Henrikson		IMS-CCR		Rel-5				DISC	Linked to N1-020777, N1-020778, N1-020779, N1-020780, N1-020781, N1-020782.	NOTED
7.10	N1-020772	MRFC interface details	Lucent Technologies / Eric Henrikson		IMS-CCR		Rel-5				DISC	Linked to N1-020783, N1-020784, N1-020785, N1-020786.	NOTED
7.02	N1-020773	Summary of current IETF documents on SIP	Lucent Technologies / Keith Drage		IMS-CCR		Rel-5				DISC		NOTED
7.02	N1-020774	Summary of current IETF documents on SIPPING	Lucent Technologies / Keith Drage		IMS-CCR		Rel-5				DISC		NOTED
7.02	N1-020775	Summary of current IETF documents on MMUSIC	Lucent Technologies / Keith Drage		IMS-CCR		Rel-5				DISC		NOTED
7.02	N1-020776	Summary of current IETF documents on SIMPLE	Lucent Technologies / Keith		IMS-CCR		Rel-5				DISC		NOTED

			Drage										
7.12	N1-020777	Passing charging correlation information	Lucent Technologies / Eric Henrikson	23.218	IMS-CCR	5.0.0	Rel-5	F	004		CR		REVISED TO 937
7.07	N1-020778	Editorials for GPRS Charging ID	Lucent Technologies / Eric Henrikson	24.229	IMS-CCR	5.0.0	Rel-5	D	009		CR		REVISED TO 921
7.07	N1-020779	Passing GCID to AS	Lucent Technologies / Eric Henrikson	24.229	IMS-CCR	5.0.0	Rel-5	F	010		CR		REVISED TO 922
7.03	N1-020780	Passing registration ICID	Lucent Technologies / Eric Henrikson	24.229	IMS-CCR	5.0.0	Rel-5	F	011		CR		REVISED TO 907
7.07	N1-020781	Passing IOI	Lucent Technologies / Eric Henrikson	24.229	IMS-CCR	5.0.0	Rel-5	F	012		CR		REVISED TO 923
7.07	N1-020782	Passing charging function addresses	Lucent Technologies / Eric Henrikson	24.229	IMS-CCR	5.0.0	Rel-5	F	013		CR		REVISED TO 924
7.10	N1-020783	MRFC INVITE interface details	Lucent Technologies / Eric Henrikson	24.229	IMS-CCR	5.0.0	Rel-5	F	014		CR		POSTPONED
7.10	N1-020784	MRFC OPTIONS interface details	Lucent Technologies / Eric Henrikson	24.229	IMS-CCR	5.0.0	Rel-5	F	015		CR		POSTPONED
7.10	N1-020785	MRFC selection option at S-CSCF	Lucent Technologies / Eric Henrikson	24.229	IMS-CCR	5.0.0	Rel-5	F	016		CR	Not available, withdrawn before the meeting.	WITHDRAWN
7.10	N1-020786	AS to MRFC optimized signaling	Lucent Technologies / Eric Henrikson	24.229	IMS-CCR	5.0.0	Rel-5	F	017		CR		POSTPONED
7.10	N1-020787	Corrections to original-dialog-id	Lucent Technologies / Eric Henrikson	24.229	IMS-CCR	5.0.0	Rel-5	F	018		CR		AGREED
7.10	N1-020788	MGCF procedure clarification	Lucent Technologies / Eric Henrikson	24.229	IMS-CCR	5.0.0	Rel-5	D	019		CR		AGREED
7.09	N1-020789	MGCF procedure error cases	Lucent Technologies / Eric Henrikson	24.229	IMS-CCR	5.0.0	Rel-5	F	020		CR		REVISED TO 935
7.10	N1-020790	MGCF OPTIONS interface details	Lucent Technologies / Eric Henrikson	24.229	IMS-CCR	5.0.0	Rel-5	F	021		CR	N1-020790 depends on N1-020784	POSTPONED
7.11	N1-020791	Abbreviations clean up	Lucent Technologies / Keith	24.229	IMS-CCR	5.0.0	Rel-5	D	022		CR		REVISED TO 949

			Drage										
7.10	N1-020792	Clarification of SIP usage outside IM CN subsystem	Lucent Technologies / Keith Drage	24.229	IMS-CCR	5.0.0	Rel-5	D	023		CR		AGREED
7.10	N1-020793	Replacement of COMET by UPDATE	Lucent Technologies / Keith Drage	24.229	IMS-CCR	5.0.0	Rel-5	C	024		CR		Not treated due to time
7.11	N1-020794	Incorporation of current RFC numbers	Lucent Technologies / Keith Drage	24.229	IMS-CCR	5.0.0	Rel-5	D	025		CR		REVISED TO 936
7.10	N1-020795	Clarification of B2BUA usage in roles	Lucent Technologies / Keith Drage	24.229	IMS-CCR	5.0.0	Rel-5	D	026		CR		REVISED TO 941
7.03	N1-020796	Determination of MOC / MTC in P-CSCF and S-CSCF	Lucent Technologies / Milo Orsic	24.229	IMS-CCR	5.0.0	Rel-5	B	027		CR		REJECTED
7.03	N1-020797	Determination of MO / MT requests in I-CSCF(THIG)	Lucent Technologies / Milo Orsic	24.229	IMS-CCR	5.0.0	Rel-5	B	028		CR		REVISED TO 909
7.04	N1-020798	User-initiated deregistration	Lucent Technologies / Milo Orsic	24.229	IMS-CCR	5.0.0	Rel-5	F	029		CR		REJECTED
7.08	N1-020799	P-CSCF release of an existing session	Lucent Technologies / Milo Orsic	24.229	IMS-CCR	5.0.0	Rel-5	F	030		CR		REVISED TO 938
7.08	N1-020800	S-CSCF release of an existing session	Lucent Technologies / Milo Orsic	24.229	IMS-CCR	5.0.0	Rel-5	F	031		CR		REVISED TO 939
7.03	N1-020801	HSS Interaction	Lucent Technologies / Milo Orsic	24.229	IMS-CCR	5.0.0	Rel-5	F	032		CR	Not available, withdrawn before the meeting.	WITHDRAWN
7.07	N1-020802	SDP procedure at the UE	Lucent Technologies / Milo Orsic	24.229	IMS-CCR	5.0.0	Rel-5	C	033		CR		REVISED TO 932
7.07	N1-020803	SDP-related procedures at the P-CSCF	Lucent Technologies / Milo Orsic	24.229	IMS-CCR	5.0.0	Rel-5	F	034		CR		REJECTED
8.01	N1-020804	Discussion on documentation for Presence	Lucent Technologies / Keith Drage		PRESNC		Rel-6				DISC		NOTED
7.07	N1-020805	MO, S-S, MT #1a reference flow update	Nokia/Krisztián Kiss	24.228	IMS-CCR	5.0.0	Rel-5	F	004		CR		REVISED TO 933
7.07	N1-020806	AS Procedures corrections	Nokia/Krisztián Kiss	24.229	IMS-CCR	5.0.0	Rel-5	F	035		CR		REVISED TO 934

5	N1-020807	R97 and R99 Compatibility	Nortel Networks/ Sonia Garapaty	24.008	GSM/ UMTS interworking	3.11.0	R99	F	599		CR		REVISED TO 889
7.10	N1-020808	Corrections to SIP Compression	Nortel Networks/ Sonia Garapaty	24.229	IMS-CCR	5.0.0	Rel-5	C	036		CR		REVISED TO 945
7.10	N1-020809	Introduction of Early Media	Nortel Networks/ Sonia Garapaty	24.228, 24.229	IMS-CCR		Rel-5				DISC		Not available
7.12	N1-020810	23.218: Clarifications to multiple filter criteria for supporting different type of AS	NEC/Yukio Kawanami	23.218	IMS-CCR	5.0.0	Rel-5	F	005		CR		REJECTED
7.12	N1-020811	Correction of terminology in 23.218 regarding Offer-counter offer answer	dynamicsoft, Andrew Allen	23.218	IMS-CCR	5.0.0	Rel-5	F	006		CR		REVISED TO 951
7.12	N1-020812	Filtering for services for unregistered user.	dynamicsoft, Andrew Allen	23.218	IMS-CCR	5.0.0	Rel-5	F	007		CR		REVISED TO 952
7.03	N1-020813	Addition of Max-Forwards Header to Registration Flows	dynamicsoft, Andrew Allen	24.228	IMS-CCR	5.0.0	Rel-5	F	005		CR		AGREED
7.07	N1-020814	Enhancement of S-CSCF and I-CSCF Routing Procedures for interworking with external networks	dynamicsoft, Andrew Allen	24.229	IMS-CCR	5.0.0	Rel-5	F	037		CR		REVISED TO 928
7.10	N1-020815	Use of P-Headers for 3GPP specific Headers	dynamicsoft, Andrew Allen	24.229	IMS-CCR	5.0.0	Rel-5	F	038		CR		REJECTED
5	N1-020816	Correction to text on DTMF handling	LM Ericsson	24.008	BICSN	4.6.0	Rel-4	F	600		CR		REVISED TO 895
5	N1-020817	Correction to text on DTMF handling	LM Ericsson	24.008	BICSN	5.3.0	Rel-5	A	601		CR		REVISED TO 896
7.10	N1-020818	Consideration of SIP timers for 3GPP	Ericsson/A. Monrad								DISC		NOTED
7.10	N1-020819	SIP timer default values	Ericsson/A. Monrad	24.229	IMS-CCR	5.0.0	Rel-5		039		CR		WITHDRAWN
7.10	N1-020820	Introduction of IMS signalling flag	Ericsson/A. Monrad	24.229	IMS-CCR	5.0.0	Rel-5		040		CR		REVISED TO 946
7.10	N1-020821	Upgrading of PDP context modification due to IMS	Ericsson/A. Monrad	24.008	IMS-CCR	5.3.0	Rel-5		602		CR		REJECTED
7.01	N1-020822	Addition of new SPLIT_PG_CYCLE RESPONSE IE	Duncan Mills / Vodafone	24.008	GPRS	5.3.0	Rel-5	F	603		CR		REJECTED
7.10	N1-020823	Accessing IMS services using a R99/Rel-4 USIM	Duncan Mills / Vodafone								DISC		NOTED
6	N1-020824	IMS key delivery from S-CSCF to the P-CSCF	Nokia/Martti Perala								DISC		NOTED
7.	N1-	Delivery of IMS	Nokia/Martti	24.229	IMS-	5.0.0	Rel-	F	041		CR		REVISED

06	020825	security parameters from S-CSCF to the P-CSCF by using proprietary auth-param	Perala		CCR		5						TO 915
7.06	N1-020826	Delivery of IMS security parameters from S-CSCF to the P-CSCF by using proprietary auth-param.	Nokia/Martti Perala	24.228	IMS-CCR	5.0.0	Rel-5	F	006		CR		REJECTED
7.06	N1-020827	Delivery of IMS security parameters from S-CSCF to the P-CSCF by using proprietary header	Nokia/Martti Perala	24.229	IMS-CCR	5.0.0	Rel-5	F	042		CR		WITHDRAWN
7.06	N1-020828	Delivery of IMS security parameters from S-CSCF to the P-CSCF by using proprietary header.	Nokia/Martti Perala	24.228	IMS-CCR	5.0.0	Rel-5	F	007		CR		WITHDRAWN
7.06	N1-020829	Delivery of IMS security parameters from S-CSCF to the P-CSCF by using XML body	Nokia/Martti Perala	24.229	IMS-CCR	5.0.0	Rel-5	F	043		CR		WITHDRAWN
7.06	N1-020830	Delivery of IMS security parameters from S-CSCF to the P-CSCF by using XML body	Nokia/Martti Perala	24.228	IMS-CCR	5.0.0	Rel-5	F	008		CR		WITHDRAWN
8.03	N1-020831	SIP Compression	Nokia/Martti Perala								DISC		Not available
8.03	N1-020832	SIP Compression	Nokia/Martti Perala	24.229	IMS-CCR	5.0.0	Rel-5	F	044		CR		Not treated due to time
8.03	N1-020833	SIP Compression	Nokia/Martti Perala	24.228	IMS-CCR	5.0.0	Rel-5	F	009		CR		Not available
7.12	N1-020834	S-CSCF behavior in case of error from ApplicationServer in response to REGISTER	Lucent Technologies / Penny Bright	23.218	IMS-CCR	5.0.0	Rel-5	F	008		CR		Not treated due to time
7.11	N1-020835	Cleanup of request / response terminology - clause 5	Lucent Technologies / Keith Drage	24.229	IMS-CCR	5.0.0	Rel-5	D	045		CR		AGREED
7.11	N1-020836	Cleanup of request / response terminology - clause 6	Lucent Technologies / Keith Drage	24.229	IMS-CCR	5.0.0	Rel-5	D	046		CR		AGREED
7.10	N1-020837	Simplification of profile tables	Lucent Technologies / Keith Drage	24.229	IMS-CCR	5.0.0	Rel-5	D	047		CR		AGREED
7.10	N1-020838	Revision of signalling compression text to introduce new IETF	Lucent Technologies / Keith	24.229	IMS-CCR	5.0.0	Rel-5	C	048		CR		REJECTED

		drafts	Drage										
7.07	N1-020839	Forking options	Lucent Technologies / Keith Drage	24.229	IMS-CCR	5.0.0	Rel-5	C	049		CR		AGREED
7.07	N1-020840	Media-Authorization header corrections	Lucent Technologies / Keith Drage	24.229	IMS-CCR	5.0.0	Rel-5	C	050		CR		AGREED
7.11	N1-020841	Clause 5.4 editorials (S-CSCF)	Lucent Technologies / Keith Drage	24.229	IMS-CCR	5.0.0	Rel-5	C	051		CR		REVISED TO 950
7.10	N1-020842	Support for IMS media Multiplexing in Session Management - TFT enhancement	Nokia	24.008	IMS-CCR	5.3.0	Rel-5	C	604		CR		REJECTED
6	N1-020843	Authentication error cases	Bajkó Gábor/Nokia	24.229	IMS-CCR	5.0.0	Rel-5	F	052		CR		REJECTED
6	N1-020844	Integrity protection signal from P-CSCF to S-CSCF	Bajkó Gábor/Nokia	24.229	IMS-CCR	5.0.0	Rel-5	F	053		CR		REVISED TO 901
7.06	N1-020845	Integrity protection signal from P-CSCF to S-CSCF	Bajkó Gábor/Nokia	24.228	IMS-CCR	5.0.0	Rel-5	F	010		CR		REVISED TO 916
7.07	N1-020846	P-headers for original-dialog-id and charging-vector	Lucent Technologies / Eric Henrikson		IMS-CCR		Rel-5				DISC		NOTED
7.10	N1-020847	Representing IM CN subsystem functional entities in profile table roles	Lucent Technologies / Keith Drage	24.229	IMS-CCR	5.0.0	Rel-5	B	054		CR		AGREED
7.11	N1-020848	Clause 4 editorials	Lucent Technologies / Keith Drage	24.229	IMS-CCR	5.0.0	Rel-5	D	055		CR		AGREED
7.11	N1-020849	Clause 5.8 editorials (MRFC)	Lucent Technologies / Keith Drage	24.229	IMS-CCR	5.0.0	Rel-5	D	056		CR		AGREED
7.11	N1-020850	Annex A editorials, including precondition additions	Lucent Technologies / Keith Drage	24.229	IMS-CCR	5.0.0	Rel-5	D	057		CR		Not treated due to time
7.03	N1-020851	Representing the registrar as a UA	Lucent Technologies / Keith Drage	24.229	IMS-CCR	5.0.0	Rel-5	F	058		CR		Not treated due to time
7.11	N1-020852	Additional definitions	Lucent Technologies / Keith Drage	24.229	IMS-CCR	5.0.0	Rel-5	D	059		CR		AGREED
5	N1-020853	Various clean-up of wrong references, as eg 24.008 instead of 04.18	CN1 secretary	29.018	TEI	3.9.0	R99	F	029		CR		AGREED
5	N1-020854	Various clean-up of wrong references, as eg 24.008 instead of	CN1 secretary	29.018	TEI4	4.3.0	Rel-4	F	030		CR		AGREED

		44.018											
5	N1-020855	Various clean-up of wrong references, as eg 24.008 instead of 44.018	CN1 secretary	29.018	TEI4	5.1.0	Rel-5	A	031		CR		AGREED
7.11	N1-020856	Minor correction to TFT	Motorola / Apostolis	24.008	IMS-CCR	5.3.0	Rel-5	F	605		CR		Not treated due to time
5	N1-020857	QoS mapping between R97 and R99	Motorola / Apostolis	24.008	QoS	3.11.0	R99	F	606		CR		Not available
7.01	N1-020858	Handling of SM STATUS(#81, #79) and invalid TI of Secondary PDP context	Siemens	24.008	TEI5	5.3.0	Rel-5	F	607		CR		REVISED TO 914
7.07	N1-020859	Determination of MOC / MTC at P-CSCF and S-CSCF	Siemens / Georg Mayer	24.228	IMS-CCR	5.0.0	Rel-5	F	011		CR		REJECTED
7.08	N1-020860	Loose Routing for Network Initiated Call Release Procedures	Siemens/ Georg Mayer	24.228	IMS-CCR	5.0.0	Rel-5	F	012		CR		REJECTED
7.03	N1-020861	Informational Internet Draft: Registration State Event Package	Siemens/Georg Mayer								DISC		Not available
7.07	N1-020862	Determination of Served User at P-CSCF and S-CSCF	Siemens / Georg Mayer	24.228	IMS-CCR	5.0.0	Rel-5	F	013		CR		Not available
6	N1-020863	Restructuring of S-CSCF Registration Sections	Siemens / Georg Mayer	24.228	IMS-CCR	5.0.0	Rel-5	F	014		CR		REJECTED
7.03	N1-020864	Restructuring of P-CSCF Registration Sections	Siemens / Georg Mayer	24.228	IMS-CCR	5.0.0	Rel-5	F	015		CR		Not available
7.03	N1-020865	Restructuring of UE Registration Sections	Siemens / Georg Mayer	24.228	IMS-CCR	5.0.0	Rel-5	F	016		CR		Not available
7.01	N1-020866	UDI/RDI Fallback and Service Modification	Ericsson	(New TS 23.172 ?, Stage 2)	SCUDIF		Rel-5				TS		REVISED TO 912
5	N1-020867	UMTS to GSM change during signalling phase of CS call setup	ETSI- NEC Technologies (UK) LTD	24.008	TEI	3.11.0	R99	F	608		CR		REJECTED
5	N1-020868	UMTS to GSM change during signalling phase of CS call setup	ETSI- NEC Technologies (UK) LTD	24.008	TEI	4.6.0	Rel-4	A	609		CR		REJECTED
5	N1-020869	UMTS to GSM change during signalling phase of CS call setup	ETSI- NEC Technologies (UK) LTD	24.008	TEI	5.3.0	Rel-5	A	610		CR		REJECTED
5	N1-020870	Dual Tone Multi-Frequency signalling : Support in the whole 3GPP system, and	ETSI- NEC Technologies (UK) LTD	23.014	DTMF	3.1.0	R99	F	004		CR		Not treated due to time

		editorial modifications.											
9	N1-020871	[DRAFT] Reply LS on Size of Attach Request message	Rouzbeh								LS OUT	679 related. To: RAN3	REVISED TO 931
9	N1-020872	[DRAFT] Liaison Statement on UMTS to GSM change during signalling phase of CS call setup	Arnaud								LS OUT	682 related. To: RAN2, S2	REVISED TO 929
9	N1-020873	Reply to LS on UE behaviour when network fails authentication procedure	Hannu								LS OUT	683 related. To: RAN2	WITHDRAWN
9	N1-020874	Response to the LS “Access dependent services and features for GERAN Iu mode”	Inmaculada								LS OUT	684 related. To: SA1 CC: GERAN2	AGREED
9	N1-020875	Liaison Statement on IMS Access with a R99/REL-4 USIM	Duncan								LS OUT	686 related. To: SA1, SA2 CC: CN4	AGREED
9	N1-020876	Proposed response to LS on SIP compression	Mark								LS OUT	689 related. To: SA2	AGREED
9	N1-020877	[DRAFT] Liaison Statement on adapting to IETF improvements contained in “unified draft”	Keith								LS OUT	697 related. To: SA2 CC: CN3	REJECTED
9	N1-020878	Liaison Statement on Network initiated PDP context activation request for an already activated PDP context (on the mobile station side) from T1.	Arnaud								LS OUT	699 related. To: T1	AGREED
5	N1-020879	Sending of RANAP Location Reporting Control on the E Interface	Alcatel	23.009	TEI	5.0.0	Rel-5	C	066	2	CR	Revised from 702	AGREED
5	N1-020880	Authentication not accepted by MS	Siemens	24.008	TEI5	5.3.0	Rel-5	F	578	1	CR	Revised from 705	POSTPONED
5	N1-020881	Correction to CS domain specific system information	Nokia / Hannu Hietalahti	24.008	GSM/ UMTS interworking	3.11.0	R99	F	579	1	CR	Revised from 706	AGREED
5	N1-020882	Correction to CS domain specific system information	Nokia / Hannu Hietalahti	24.008	GSM/ UMTS interworking	4.6.0	Rel-4	A	580	1	CR	Revised from 707	AGREED
5	N1-020883	Correction to CS domain specific system information	Nokia / Hannu Hietalahti	24.008	GSM/ UMTS interworking	5.3.0	Rel-5	A	581	1	CR	Revised from 708	AGREED
9	N1-020884	Correction to CS domain specific	Hannu								LS OUT	Related to 881,882,883.	AGREED

		system information										To: RAN2	
5	N1-020885	RR protocol message type octet	Nokia / Hannu Hietalahti	24.007	GSM/ UMTS interworking	3.8.0	R99	F	046	1	CR	Revised from 709	AGREED
5	N1-020886	RR protocol message type octet	Nokia / Hannu Hietalahti	24.007	GSM/ UMTS interworking	4.1.0	Rel-4	A	047	1	CR	Revised from 710	AGREED
5	N1-020887	Correction of codec negotiation procedure	Siemens	24.008	TRFO-OOB	4.6.0	Rel-4	F	535	2	CR	Revised from 718	AGREED
5	N1-020888	Correction of codec negotiation procedure	Siemens	24.008	TRFO-OOB	5.3.0	Rel-5	A	536	2	CR	Revised from 719	AGREED
5	N1-020889	R97 and R99 Compatibility	Nortel Networks/ Sonia Garapaty	24.008	GSM/ UMTS interworking	3.11.0	R99	F	599	1	CR	Revised from 807	AGREED
5	N1-020890	R97 and R99 Compatibility	Nortel Networks/ Sonia Garapaty	24.008	GSM/ UMTS interworking	4.6.0	Rel-4	A	611		CR		AGREED
5	N1-020891	R97 and R99 Compatibility	Nortel Networks/ Sonia Garapaty	24.008	GSM/ UMTS interworking	5.3.0	Rel-5	A	612		CR		AGREED
5	N1-020892	Clarification of the extension mechanism for type 4 IEs	Siemens	24.007	TEI	3.8.0	R99	F	048	1	CR	Revised from 731	AGREED
5	N1-020893	Clarification of the extension mechanism for type 4 IEs	Siemens	24.007	TEI	4.1.0	Rel-4	A	049	1	CR	Revised from 732	AGREED
5	N1-020894	Restriction of the 0kbits maximum bitrate	Ericsson	24.008	TEI5	5.3.0	Rel-5	F	554	2	CR	Revised from 751	AGREED
5	N1-020895	Correction to text on DTMF handling	LM Ericsson	24.008	CSSP LIT	4.6.0	Rel-4	F	600	1	CR	Revised from 816	AGREED
5	N1-020896	Correction to text on DTMF handling	LM Ericsson	24.008	CSSP LIT	5.3.0	Rel-5	A	601	1	CR	Revised from 817	AGREED
5	N1-020897	Restrict mobile use of the SGNSR bit for EDGE	Nortel Networks/ Sonia Garapaty		GSM/ UMTS interworking		R99				DISC		Not treated due to time
6	N1-020898	Technical Specification Group 3GPP TS 33.203, CR Unofficial version from SA3; Access security for IP-based services (Release 5)	SA3	33.203							INFO		NOTED
6	N1-020899	aSIP-Access Security for IP-Based Services	Ericsson/Krister Boman								INFO		NOTED
6	N1-020900	Issues with SA handling at P-CSCF	SA3								LS IN	S3-020161 To: CN1	LS OUT in 902
7.06	N1-020901	Integrity protection signal from P-CSCF to S-CSCF	Bajkó Gábor/Nokia	24.229	IMS-CCR	5.0.0	Rel-5	F	053	1	CR	Revised from 844	AGREED
9	N1-020902	[DRAFT] Reply Liaison Statement 'Issues with SA handling at P-CSCF'	Kevan								LS OUT	Related to 742 and 900. To: SA3	REVISED TO 961

7.06	N1-020903	S-CSCF Actions on Authentication Failure	H3G	24.229	IMS-CCR	5.0.0	Rel-5	C	004	1	CR	Revised from 741	AGREED
7.06	N1-020904	Update of the authorization flows	Ericsson, M. Garcia	24.228	IMS-CCR	5.0.0	Rel-5	F	002	1	CR	Revised from 765	AGREED
7.06	N1-020905	Restructuring of S-CSCF Registration Sections	Siemens / Georg Mayer	24.229	IMS-CCR	5.0.0	Rel-5	F	060		CR	Content based on 863	REVISED TO 957
7.03	N1-020906	Disallow Parallel Registrations	H3G	24.229	IMS-CCR	5.0.0	Rel-5	C	005	1	CR	Revised from 743	REVISED TO 959
7.03	N1-020907	Passing registration ICID	Lucent Technologies / Eric Henrikson	24.229	IMS-CCR	5.0.0	Rel-5	F	011	1	CR	Revised from 780	AGREED
7.07	N1-020908	Determination of MOC / MTC at P-CSCF and S-CSCF	Siemens / Georg Mayer	24.229	IMS-CCR	5.0.0	Rel-5	F	061		CR	Content based on 859	REVISED TO 958
7.03	N1-020909	Determination of MO / MT requests in I-CSCF(THIG)	Lucent Technologies / Milo Orsic	24.229	IMS-CCR	5.0.0	Rel-5	B	028	1	CR	Revised from 797	REVISED TO 965
7.05	N1-020910	Hiding	Bajkó Gábor/Nokia	24.229	IMS-CCR	5.0.0	Rel-5	F	007	1	CR	Revised from 747	AGREED
7.10	N1-020911	Output of drafting session for P-headers	Dynamicsoft, Ericsson et all								DISC		NOTED
7.01	N1-020912	UDI/RDI Fallback and Service Modification	Ericsson	(New TS 23.172?, Stage 2)	SCUDIF		Rel-5				TS	Revised from 866	NOTED
9	N1-020913	[DRAFT] Liaison Statement on SPLIT_PG_CYCLE value	Duncan								LS OUT	Related to 822. To:TSG GERAN	REVISED TO 962
7.01	N1-020914	Handling of SM STATUS(#81, #97) and invalid TI of Secondary PDP context	Siemens	24.008	TEI5	5.3.0	Rel-5	F	607	1	CR	Revised from 858	AGREED
7.06	N1-020915	Delivery of IMS security parameters from S-CSCF to the P-CSCF by using proprietary auth-param	Nokia/Martti Perala	24.229	IMS-CCR	5.0.0	Rel-5	F	041	1	CR	Revised from 825	AGREED
7.06	N1-020916	Integrity protection signal from P-CSCF to S-CSCF	Bajkó Gábor/Nokia	24.228	IMS-CCR	5.0.0	Rel-5	F	010	1	CR	Revised from 845	AGREED
7.12	N1-020917	HSS providing to the S-CSCF the subset of the relevant end user profile	Ericsson	23.218	IMS-CCR	5.0.0	Rel-5	F	002	1	CR	Revised from 768	REVISED TO 954
7.12	N1-020918	Clarification on SPI related text	Ericsson	23.218	IMS-CCR	5.0.0	Rel-5	F	003	1	CR	Revised from 769	REVISED TO 953

7.01	N1-020919	Updating the DRX parameter value	Nokia / Miika Peltonen	24.008	TEI5	5.3.0	Rel-5	C	588	1	CR	Revised from 717	REJECTED
7.07	N1-020920	24.229: Alignment with 23.815 regarding overview of charging information	NEC/Yukio Kawanami	24.229	IMS-CCR	5.0.0	Rel-5	F	002	1	CR	Revised from 736	REVISED TO 966
7.07	N1-020921	Editorials for GPRS Charging ID	Lucent Technologies / Eric Henrikson	24.229	IMS-CCR	5.0.0	Rel-5	D	009	1	CR	Revised from 778	AGREED
7.07	N1-020922	Passing GCID to AS	Lucent Technologies / Eric Henrikson	24.229	IMS-CCR	5.0.0	Rel-5	F	010	1	CR	Revised from 779	AGREED
7.07	N1-020923	Passing IOI	Lucent Technologies / Eric Henrikson	24.229	IMS-CCR	5.0.0	Rel-5	F	012	1	CR	Revised from 781	REVISED TO 967
7.07	N1-020924	Passing charging function addresses	Lucent Technologies / Eric Henrikson	24.229	IMS-CCR	5.0.0	Rel-5	F	013	1	CR	Revised from 782	AGREED
4	N1-020925	Shared Network support in Connected Mode	Ericsson								WID		Not treated due to time
7.07	N1-020926	Support for services for unregistered users	Ericsson, M. Garcia	24.229	IMS-CCR	5.0.0	Rel-5	B	008	1	CR	Revised from 764. Not available.	POSTPONED
7.07	N1-020927	Correction to the terminating procedures	Ericsson, M. Garcia	24.229	IMS-CCR	5.0.0	Rel-5	F	062		CR	Contents based on 767	AGREED
7.07	N1-020928	Enhancement of S-CSCF and I-CSCF Routing Procedures for interworking with external networks	dynamicsoft, Andrew Allen	24.229	IMS-CCR	5.0.0	Rel-5	F	037	1	CR	Revised from 814	AGREED
9	N1-020929	[DRAFT] Liaison Statement on UMTS to GSM change during signalling phase of CS call setup	Hannu								LS OUT	682 related. Revised from 872. To: RAN2, S2	REVISED TO 930
9	N1-020930	Liaison Statement on UMTS to GSM change during signalling phase of CS call setup	Hannu								LS OUT	682 related. To: RAN2 Revised from 872 and 929.	AGREED
9	N1-020931	Reply LS on Size of Attach Request message	Rouzbeh								LS OUT	679 related. To: RAN3. Revised from 871	AGREED
7.07	N1-020932	SDP procedure at the UE	Lucent Technologies / Milo Orsic	24.229	IMS-CCR	5.0.0	Rel-5	C	033	1	CR	Revised from 802	REVISED TO 968
7.07	N1-020933	MO, S-S, MT #1a reference flow update	Nokia/Krisztián Kiss	24.228	IMS-CCR	5.0.0	Rel-5	F	004	1	CR	Revised from 805	AGREED
7.	N1-	AS Procedures	Nokia/Kriszti	24.229	IMS-	5.0.0	Rel-	F	035	1	CR	Revised from	AGREED

07	020934	corrections	án Kiss		CCR		5					806	
7.09	N1-020935	MGCF procedure error cases	Lucent Technologies / Eric Henrikson	24.229	IMS-CCR	5.0.0	Rel-5	F	020	1	CR	Revised from 789	REVISED TO 960
7.11	N1-020936	Incorporation of current RFC numbers	Lucent Technologies / Keith Drage	24.229	IMS-CCR	5.0.0	Rel-5	D	025	1	CR	Revised from 794	Not treated due to time
7.12	N1-020937	Passing charging correlation information	Lucent Technologies / Eric Henrikson	23.218	IMS-CCR	5.0.0	Rel-5	F	004	1	CR	Revised from 777	AGREED
7.08	N1-020938	P-CSCF release of an existing session	Lucent Technologies / Milo Orsic	24.229	IMS-CCR	5.0.0	Rel-5	F	030	1	CR	Revised from 799	AGREED
7.08	N1-020939	S-CSCF release of an existing session	Lucent Technologies / Milo Orsic	24.229	IMS-CCR	5.0.0	Rel-5	F	031	1	CR	Revised from 800	AGREED
7.08	N1-020940	Loose Routing for Network Initiated Call Release Procedures	Siemens/ Georg Mayer	24.229	IMS-CCR	5.0.0	Rel-5	F	063		CR	Content based on 860	AGREED
7.10	N1-020941	Clarification of B2BUA usage in roles	Lucent Technologies / Keith Drage	24.229	IMS-CCR	5.0.0	Rel-5	D	026	1	CR	Revised from 795	AGREED
5	N1-020942	Use of cause #14 in HPLMN	Motorola/Andrew H.	24.008							DISCUSSION		NOTED
5	N1-020943	Authentication not accepted by MS	Nokia / Hannu Hietalahti	24.008	TEI	3.11.0	R99	F	576	1	CR	Revised from 703	REVISED TO 963
5	N1-020944	Authentication not accepted by MS	Nokia / Hannu Hietalahti	24.008	TEI	4.6.0	Rel-4	A	577	1	CR	Revised from 704	REVISED TO 964
7.10	N1-020945	Corrections to SIP Compression	Nortel Networks/ Sonia Garapaty	24.229	IMS-CCR	5.0.0	Rel-5	C	036	1	CR	Revised from 808	AGREED
7.10	N1-020946	Introduction of IMS signalling flag	Ericsson/A. Monrad	24.229	IMS-CCR	5.0.0	Rel-5		040	1	CR	Revised from 820	POSTPONED
9	N1-020947	Liaison Statement 'Clarification of IMS signalling flag'	Atle								LS OUT	Related to 946. To: SA2 CC: CN3	AGREED
9	N1-020948	Liaison statement on Charging at I-CSCF	Georg								LS OUT	Related to charging. To: SA2, SA5	AGREED
7.11	N1-020949	Abbreviations clean up	Lucent Technologies / Keith Drage	24.229	IMS-CCR	5.0.0	Rel-5	D	022	1	CR	Revised from 791	AGREED
7.11	N1-020950	Clause 5.4 editorials (S-CSCF)	Lucent Technologies / Keith Drage	24.229	IMS-CCR	5.0.0	Rel-5	C	051	1	CR	Revised from 841	AGREED
7.	N1-	Correction of	dynamicsoft,	23.218	IMS-	5.0.0	Rel-	F	006	1	CR	Revised from	AGREED

12	020951	terminology in 23.218 regarding Offer-counter offer answer	Andrew Allen		CCR		5					811	
7.12	N1-020952	Filtering for services for unregistered user.	dynamicsoft, Andrew Allen	23.218	IMS-CCR	5.0.0	Rel-5	F	007	1	CR	Revised from 812. Not available.	WITHDRAWN
7.12	N1-020953	Clarification on SPI related text	Ericsson	23.218	IMS-CCR	5.0.0	Rel-5	F	003	2	CR	Revised from 769 and 918	AGREED
7.12	N1-020954	HSS providing to the S-CSCF the subset of the relevant end user profile	Ericsson	23.218	IMS-CCR	5.0.0	Rel-5	F	002	2	CR	Revised from 768 and 917	REVISED TO 972
4	N1-020955	CN1 IMS open items list	Chairman								WORK PLAN	Revised from 678	NOTED
4	N1-020956	Interaction status of CRs on IMS-CCR deliverables	echnologies / Keith Drage		IMS-CCR						INFO		NOTED
7.06	N1-020957	Restructuring of S-CSCF Registration Sections	Siemens / Georg Mayer	24.229	IMS-CCR	5.0.0	Rel-5	F	060	1	CR	Content based on 863. Revised from 905	REVISED TO 969
7.07	N1-020958	Determination of MOC / MTC at P-CSCF and S-CSCF	Siemens / Georg Mayer	24.229	IMS-CCR	5.0.0	Rel-5	F	061	1	CR	Content based on 859. Revised from 908	AGREED
7.03	N1-020959	Disallow Parallel Registrations	H3G	24.229	IMS-CCR	5.0.0	Rel-5	C	005	2	CR	Revised from 743 and 906	AGREED
7.09	N1-020960	MGCF procedure error cases	Lucent Technologies / Eric Henrikson	24.229	IMS-CCR	5.0.0	Rel-5	F	020	2	CR	Revised from 789 and 935	AGREED
9	N1-020961	Reply Liaison Statement 'Issues with SA handling at P-CSCF'	Kevan								LS OUT	Related to 742 and 900. To: SA3 Revised from 902	AGREED
9	N1-020962	Liaison Statement on SPLIT_PG_CYCLE value	Duncan								LS OUT	Related to 822. To:TSG GERAN Revised from 913	AGREED
5	N1-020963	Authentication not accepted by MS	Nokia / Hannu Hietalahti	24.008	TEI	3.11.0	R99	F	576	2	CR	Revised from 703 and 943	POSTPONED
5	N1-020964	Authentication not accepted by MS	Nokia / Hannu Hietalahti	24.008	TEI	4.6.0	Rel-4	A	577	2	CR	Revised from 704 and 944	POSTPONED
7.03	N1-020965	Determination of MO / MT requests in I-CSCF(THIG)	Lucent Technologies / Milo Orsic	24.229	IMS-CCR	5.0.0	Rel-5	B	028	2	CR	Revised from 797 and 909	REVISED TO 970
7.07	N1-020966	24.229: Alignment with 23.815 regarding overview of charging information	NEC/Yukio Kawanami	24.229	IMS-CCR	5.0.0	Rel-5	F	002	2	CR	Revised from 736 and 920	POSTPONED
7.	N1-	Passing IOI	Lucent	24.229	IMS-	5.0.0	Rel-	F	012	2	CR	Revised from	AGREED

07	020967		Technologies / Eric Henrikson		CCR		5					781 and 923	
7.07	N1-020968	SDP procedure at the UE	Lucent Technologies / Milo Orsic	24.229	IMS-CCR	5.0.0	Rel-5	C	033	2	CR	Revised from 802 and 932	REVISED TO 971
7.06	N1-020969	Restructuring of S-CSCF Registration Sections	Siemens / Georg Mayer	24.229	IMS-CCR	5.0.0	Rel-5	F	060	2	CR	Content based on 863. Revised from 905 and 957	AGREED
7.03	N1-020970	Determination of MO / MT requests in I-CSCF(THIG)	Lucent Technologies / Milo Orsic	24.229	IMS-CCR	5.0.0	Rel-5	B	028	3	CR	Revised from 797 and 909 and 965	AGREED
7.07	N1-020971	SDP procedure at the UE	Lucent Technologies / Milo Orsic	24.229	IMS-CCR	5.0.0	Rel-5	C	033	3	CR	Revised from 802 and 932	AGREED
7.12	N1-020972	HSS providing to the S-CSCF the subset of the relevant end user profile	Ericsson	23.218	IMS-CCR	5.0.0	Rel-5	F	002	3	CR	Revised from 768 and 917 and 954	AGREED

Annex E Liaison Statements OUT

Meeting	TDoc #	Status	Source	Tdoc Title	Type	Comments
N1-23	N1-020874	AGREED	Inmaculada	Response to the LS “Access dependent services and features for GERAN Iu mode”	LS OUT	684 related. To: SA1 CC: GERAN2
N1-23	N1-020875	AGREED	Duncan	Liaison Statement on IMS Access with a R99/REL-4 USIM	LS OUT	686 related. To: SA1, SA2 CC: CN4
N1-23	N1-020876	AGREED	Mark	Proposed response to LS on SIP compression	LS OUT	689 related. To: SA2
N1-23	N1-020878	AGREED	Arnaud	Liaison Statement on Network initiated PDP context activation request for an already activated PDP context (on the mobile station side) from T1.	LS OUT	699 related. To: T1
N1-23	N1-020884	AGREED	Hannu	Correction to CS domain specific system information	LS OUT	Related to 881,882,883. To: RAN2
N1-23	N1-020930	AGREED	Hannu	Liaison Statement on UMTS to GSM change during signalling phase of CS call setup	LS OUT	682 related. To: RAN2 Revised from 872 and 929.
N1-23	N1-020931	AGREED	Rouzbeh	Reply LS on Size of Attach Request message	LS OUT	679 related. To: RAN3. Revised from 871
N1-23	N1-020947	AGREED	Atle	Liaison Statement ‘Clarification of IMS signalling flag’	LS OUT	Related to 946. To: SA2 CC: CN3
N1-23	N1-020948	AGREED	Georg	Liaison statement on Charging at I-CSCF	LS OUT	Related to charging. To: SA2, SA5

N1-23	N1-020961	AGREED	Kevan	Reply Liaison Statement 'Issues with SA handling at P-CSCF'	LS OUT	Related to 742 and 900. To: SA3 Revised from 902
N1-23	N1-020962	AGREED	Duncan	Liaison Statement on SPLIT_PG_CYCLE value	LS OUT	Related to 822. To:TSG GERAN Revised from 913

Annex F Ageed Work Items

None

Annex G Agreed specifications (TS or TR)

None

Annex H List of CRs to N1 drafts

None since no draft is worked on in CN1for the time beeing.