3GPP TSG CN Plenary Meeting #14
Kyoto, Japan, 12th –14th December 2001

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Title: **CN1#21 Meeting Report**

Agenda item: **6.1.1**

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Meeting Report

TSG CN WG1# 21
Cancun, Mexico

26 - 30 November 2001

Chairman: Hannu Hietalahti (Nokia)

Secretary: Per Johan Jorgensen (ETSI/MCC)

Host: 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_21/Docs/

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1 Opening of the meeting. Calls for IPRs

The host by Stefan Hayes welcomed the delegates and informed on the logistics. Social event will take place on Wednesday evening.

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

N1-011781 : CN1 chairman, Title: Agenda (Cancun0111)

Discussion : This will continue as a living document in the doc Cancun0111.rtf.

Joint meeting with GERAN2 (CN1 meeting point 12) will take place Tuesday at 18:00.

Joint meeting with CN2/3/4/5 (CN1 meeting point 8.3) will take place Wednesday after lunch 28/11.

Conclusion : Agreed

N1-011783 : MCC, Type: INFO, Title: Draft Report of TSG SA meeting #13, version 0.0.5

Discussion : Provided as information to be referenced and checked by the delegates as needed.

Conclusion : Noted

3 Input Liaison Statements

N1-011633 : N4-011195, To: S2 Cc: N1,S1, Type: LS IN , Title: Liaison Statement on PDP Context handling at Inter SGSN RA Update

Discussion : Forwarded from CN1#20bis. CN4 has discussed a CR on 29.060 to allow the originating SGSN to define a priority for the PDP contexts to be kept in inter-SGSN RAU if the target SGSN can not handle all of the active contexts. SA2 is asked to study the corresponding stage 2 changes.

Conclusion: Noted

N1-011814 : G2-010489, To: N1 Cc: CN, Type: LS IN , Title: LS on introduction of a new release marker in the MS Classmark 3 and MS Radio Access Capability IEs

Discussion : Might be a doc. for the joint session on non-IMS issues with GERAN on Tuesday evening. GERAN2 replies to CN1 LS on revision levels but do not specify whether they would prefer to see a new main revision level or a RR specific one. Another alternative is to add feature specific indications of support of features.

Conclusion: Forwarded to agenda item 12

N1-011815 : R2-012401, To: N1 Cc: S2, R3 , Type: LS IN , Title: Response to LS (N1-011321) on Multiple RAB Activation Issue

Discussion : N1-011815 and 816 reply to the same CN1 LS. RAN2 reply to CN1 LS N1-011321 stating the following:

1. The allocation of radio resources for established RABs is made by the UTRAN, dependent on available radio resource at that time and actual traffic need. Therefore the activation of RABs does not imply the allocation of radio resources, since UTRAN can also be aware of actual traffic volume requirements.

2. The fact that the RAB assignment may be partial or total is unknown to the UTRAN and therefore RAN2 can see no impact.

3. The use of paging within this solution was not clear to RAN2, and as such RAN2 does not see any need to change the paging procedure.

Still we must await the S2 response before any action can be done.

Conclusion: Noted

N1-011816 : R3-013036, To: N1   Cc: S2, R2 , Type: LS IN , Title: Liaison on Multiple RAB Activation Issue

Discussion : RAN3 opinion is that supporting individual PDP contexts and RABs should be handled in the CN and UE. It is the responsibility of the SGSN to set up only the required RABs, using RANAP RAB assignment procedure. RAN3 does not feel the need to carry additional information in the paging messages. Association between NSAPI, RABid, and RBid is done during RAB set up and not using paging procedure.

Related CR in N-011801. N1-011815 and 1816 reply to the same CN1 LS.

Conclusion: Noted

N1-011817 : R3-013050, To: S2   Cc: N4, R2, S1, N1 , Type: LS IN , Title: Answer LS on "Stop reporting type"

Discussion : RAN3 reply to SA2 LS and state that the possibility to stop reporting type is not feasible for R99 any more. However, they are willing to do it for Rel-4 but ask from SA2 for reasons why there is a need to allow stop reporting. SA2 reply to this LS is in N1-011819.

Conclusion: Noted

N1-011818 : R3-013067, To: S2   Cc: R2, GERAN2, N1, N4, Type: LS IN , Title: Reply to LS "Update of Iu-Flex status"

Discussion : RAN3 reply to SA2 that they have found a problem with Iu-flex when multiple MSC/VLRs need to be restarted at the same time. Including the entire IMSI within the [RRC] Initial Direct Transfer message or including NRI information in paging messages for the MS to echo back were studied as possibilities to overcome the problem.

Conclusion: Noted

N1-011819: S2-013062, To: R3, N4   Cc: R2, S1, N1, Type: LS IN , Title: LS "Stop reporting type"

Discussion : SA2 reply to RAN3 (LS N1-011817) acknowledging that they will remove the proposed change from R99 specifications. SA2 also give release of radio channel during positioning and RAN error response as example cases to justify the procedure.

Conclusion: Noted

N1-011820 : S3-010523, To: N1   Cc: S1, T2, T3, GSMA-SG, Type: LS IN , Title: Reply LS on the rejection of 2G AKA by 3G ME with USIM in UTRAN

Discussion : SA3 reply to CN1 LS N1-011264 thanking us for implementing the rejection of 2G authentication by a UE which supports 3G security algorithms and is served by UTRAN. They also agree that treating the cell as barred is an appropriate action to be taken by the UE in such a reject case.

Conclusion: Noted

N1-011841 : S2-012921, To: N1   Cc:, Type: LS IN , Title: Reply to Liaison Statement on "The Integration of RSVP and SIP"

Discussion : SA2 reply to CN1 LS N1-011428.

- RSVP Sender/Receiver functionality is not part of Rel-5 but the UE and the GGSN may be RSVP aware.

- About the QoS preconditions, the endpoints should be satisfied that resources need to be allocated for both directions for the session to proceed.

- the UE has to at least make sure that a satisfactory PDP context is established for the desired direction before proceeding with the session.

The third bullet was further discussed wether unidirectional bearers was intended/needed. Non-symmetrical seemed to be sufficient. UE and GGSN may optionally be RSVP aware and independent of each other. Call flows for RSVP are in 1957 and 1958 for this meeting.

Conclusion: Noted

N1-011842 : S2-012925,   To: N4,   Type: LS IN , Title: LS "PDP Context handling at Inter SGSN RA Update"

Discussion : Copied to N1 due to linkage with N1-011633. SA2 sees the benefit of enhancing the GTP protocol, by introducing a prioritisation of PDP Contexts when sent from old to new SGSN. SA2 also sees a need for old SGSN to inform new SGSN whether prioritisation of the PDP Contexts have been applied or not. SA2 have adopted this concept for Release 5 and onwards, and have also approved to introduce this in the stage 2 specification, 23.060.

Conclusion: Noted

N1-011942 : S1-011190,   To: N1   Cc: S2, S3,   Type: LS IN , Title: RE: Liaison Statement on privacy of IPv6 addresses allocated to terminals using the IM CN subsystem

Discussion : S1 reply to N1-011313 and stress the importance of the user privacy and anonymity and prefer that IPv6 address must not reveal any information about the user's location. But it seems to be that the IP address should not reveal any location information as a requirement, without giving any solution. And the problem still needs an architectural decision first, and probably for Rel-5 ? CN1 should reply while simultaneously more discussion on the topic is needed. In S2 the similar discussion will take place on Wednesday, and that result will influence a possible response. With or without Anonymizer it should be possible to find a solution. Anonymiser is seen as one of the options we have to fulfill the SA1 requirement but this impacts the architecture and is therefore SA2 issue. But even without anonymiser it is possible to do something to the problem within the GGSN. It was commented that some location information may be revealed even if the subscriber is in his home network. Proposal that it should be acceptable to add the anonymiser functionality during Rel-6 but this was not supported by all delegations.

Conclusion: LS OUT by Keith in 1963

N1-011943 : S1-011191,   To: N1   Cc: N4, S2, S3, S5,   Type: LS IN , Title: Response to: Liaison Statement on Usage of Private ID

Discussion : SA1 reply to CN1 LS N1-011430. SA1 confirm our assumption that 3rd party registration is not a Rel-5 requirement. However, it is being considered as candidate feature in the future, which is still subject to security issues being solved first.

Conclusion: Noted

N1-011944 : S1-011193,   To: S2   Cc: N1,   Type: LS IN , Title: Liaison Statement on The Definition of Local Services

Discussion : SA1 clarify the definition of local services as follows: "Local Service: services, which are provided by current roamed to network that are not HE services. The same service can be provided by a network as a local service to inbound roamers and as a HE service to the subscribers of this network."

Conclusion: Noted

N1-011945 : S1-011322,   To: N1, S2   Cc: SA, CN, T,   Type: LS IN , Title: Focus of TR 22.941

Discussion : No contributions are provided on this TR for this meeting. CN1 needs to review TR 22.941 (IP framework report). SA1 requests input from other groups regarding their views on the degree to which the requirements are met. Each group is kindly asked to provide contributions on their topics of expertise to SA1 in the form of proposed text for section 11 of the Report.

Conclusion: Noted

N1-011946 : S1-011328,   To: N1, S2, S5   Cc:,   Type: LS IN , Title: Liaison Statement on AMR - Wideband Requirements

Discussion : From CN1 point of view it can be notised that the solution needs to be usefull for GSM as well. SA1 confirm that WB-AMR service requirement exists but list several items for the the other WGs to study. Without support of AMR-WB in GSM networks the likelihood of a AMR-WB call would be too small to make the service attractive enough for users to subscribe to it. This is already being studied by SA4.

Conclusion: Noted.

N1-011947 : S2-013060,   To: N1   Cc:,   Type: LS IN , Title: S2 Activities from the 3GPP Work Plan

Discussion : Comments on the work plan to SA2. The main signicance from CN1 viewpoint seem to be minor delay in SA2 area of E2EQoS and IMS local services and larger delay in stage 2 for PS emergency calls.

Conclusion: Noted

N1-011952 : S2-013079,　To: S3　Cc: N1, N4,　Type: LS IN , Title: Response to the LS S2-012896 from SA3 on Security Aspects related to the IMS Authentication.

Discussion : This LS was already seen and noted in CN1 #20bis.

Conclusion: Withdrawn

N1-011953 : T3-010730,　To: S2　Cc: S3, S1, N1, T2, ETSI SCP,　Type: LS IN , Title: RE: LS on IMS identifiers and ISIM and USIM (S2 Tdoc S2-013067)

Discussion : T3 confirm that UICC may contain any number of applications but only four of them can be active at any time. Extending this limit would be up to ETSI EP SCP to define and T3 can raise the issue there.

Conclusion: Noted

N1-011979 : S3-010647,　To:T3, S2, S1, N1, T2　　Cc: EP SCP,　Type: LS IN , Title: Response LS on IMS identifiers and ISIM and USIM

Discussion : SA3 define several security requirements on IMS / IMPI usage.

Conclusion: Forwarded to SIPadhoc0201

N1-011983 : S2-013491,　To: N1　Cc:,　Type: LS IN , Title: Liaison Statement on allowing the UE to request 0 kbps

Discussion : SA2 say that their intention is that the UE should not be allowed to send a PDP context activation / modification with QoS data rate request set to 0 kbps. What is the UE expected to do when it receives this code point in QoS? N1-011912-914 are related CRs but they do not say that the UE shall not send a QoS request of 0 kbps.

Conclusion: Noted

N1-012010 : S3-010654,　　　To:S2　Cc: S5, N1,　Type: LS IN , Title: P-CSCF triggered re-authentication

Discussion :

Conclusion: Forwarded to SIPadhoc0201

N1-012011 : S3-010669,　　　To:N1,　Type: LS IN , Title: IMS Security requirements and transportation of SIP session keys

Discussion :

Conclusion: Forwarded to SIPadhoc0201

4　Work Plan for TSGN WG1

N1-011782 : CN1 Chairman, Type: DISCUSSION,   Title: CN1 IMS open item list

Discussion : Open living list to identify on high level which items need to be adressed in CN1. The open working assumption list can be due to missing agreement in CN1 or missing requirements and/or architecture decisions.

Feedback to the chairman for completeness of the list should be done to the chairman for provision to the CN plenary. Companies can split work based on this and plan their contributions acccordingly. A possible prioritization however for CN1 needs to be decided in CN plenaries. Companies invited to comment before Monday 3/12 in the evening.

Conclusion : Revised to 2004

N1-012004 : CN1 Chairman, Type: DISCUSSION,   Title: CN1 IMS open item list

Discussion :

Conclusion : Noted

N1-011804 : H3g, Type: WORKPLAN,   Title: Specifications for Information

Discussion : Not available,- adviced before the meeting to be withdrawn.

Conclusion : Withdrawn

N1-011826 : Lucent Technologies , Type: WID,   Title: SIP call control protocol for the IM CN subsystem

Discussion : 1827 is the explanations to 1826 changes. Workitem dependencies added does not mean work to be done in CN1, but issues may arrise from these. S3 work on lawful interception was mentioned,- for Rel-5 or Rel-6. Therefore this WI dependency needs to remain in the WID. 23.218 rapporteur needs to change data in the spec database regarding the company belonging. Changes to 24.008 neeeds to be done, but after some planning with the changes needed.

Conclusion : Revised to 1967

N1-011967 : Lucent Technologies , Type: WID,   Title: SIP call control protocol for the IM CN subsystem

Discussion :

Conclusion : Agreed

N1-011827 : Lucent Technologies , Type: DISCUSSION,   Title: SIP call control protocol for the IM CN subsystem - explanation of proposed changes

Discussion :

Conclusion : Noted

N1-011830 : 24.228, Lucent Technologies, Type: DISCUSSION,   Title: Advancement of 3GPP TS 24.228 to Version 2.0.0

Discussion : Preferred not to change reference version in December, but ask for approval in March meeting. But it should be stated that it is regarded as 80% stable, which was disputed, and not moved forward to v500 in December due to the extra burdon on updating for SIPadhoc0201, CN1#22 and 22bis. The editorial flexibility on the remaining 20% was seen as benefitial. Bot 24.228 and 24.229 should be moved forward together for consistency, and 24.229 is regarded as less complete now. Decided to be forwarded to CN#14 for information, but not to be put under formal version control.

Conclusion : Agreed

N1-011831 : 24.229, Lucent Technologies, Type: DISCUSSION,   Title: Advancement of 3GPP TS 24.229 to Version 1.0.0

Discussion : See the discussion in 1830. Forwarded to plenary for information.

Conclusion : Agreed

N1-011832 : 23.218, Lucent Technologies, Type: DISCUSSION,   Title: Advancement of 3GPP TS 23.218 to Version 1.0.0

Discussion : See the discussion in 1830. Forwarded to plenary for information.

Conclusion : Agreed

N1-011930 : Lucent Technologies, Type: WID,   Title: Proposed WI: Presence

Discussion : Text improvements on AS and other parts was requested. 24.229 should cover the SIP part without duplicating extensions for location issues, and therefore can be the working assumption for now. The title can not be changed, but the scope can be reviewed. Extensions needs to be defined for events and the existing IMS drafts needs to have separate sections. What is the relationship with this WID and other BBs, eg 2503? 2503 under feature 2499 should be the parent. This WID is limited to CN1 only. If contributions comes into CN1 soon, a way forward could be to have parallell versions until it is decided in SA2 if presence is Rel-5 issue or not. USIM impact for CN1 work is not expected.

Conclusion : Revised to 1968

N1-011968 :   Lucent Technologies, Type: WID,   Title: Proposed WI: Presence

Discussion :

Conclusion :Revised to 2020

N1-012020 :   Lucent Technologies, Type: WID,   Title: Proposed WI: Presence

Discussion :

Conclusion : Agreed

N1-011951 :   MCC, Type: DISCUSSION,   Title: Latest WORKPLAN 22/11

Discussion : The following changes to the 011129 version of the WP was agreed by CN1 (Some people would prefer the Excel format extract of the WP):

ID 1998 on 24.228 is 80 % complete

ID 1278 on 24.229 is 60 % complete

ID 2255 on 23.218 is 50 % complete

ID 11006 should be deleted as I stated in the notes. (SIP draft serverfeatures has been merged to the main SIP bis draft and therefore the dependency exists no more.)

ID 11015 on compression is 50 % complete

ID 11016 on Mw i/f is 70 % complete

ID 11017 on Mm i/f is 5 % complete

ID 11018 on Mr i/f is 10 % complete

ID 11019 on ISC i/f is 50 % complete

ID 11020 on Gm i/f is 70 % complete

Why is ID 14002 on Mg i/f (also SIP) allocated for CN4? If CN4 or SA2 agrees it will be changed to CN1.

What is the target release of ID 1653, IP based emergency calls? Probably Rel-6, and the CN1 completion rate is 10 - 60% complete depending on how the requirements differ from the basic calls.

ID 1656 is 100 % complete. N1 aspects of AMRWB.

ID 2248 is 100 % complete. IUFLEX for CN1.

What does ID 2551 mean? It is no ongoing action in CN1 on QoSPS. Should this BB be 100% completed , Rel-4 issue?

Conclusion : Noted

5   Maintenance of R98 and older releases

N1-011846 : 04.64v 690   CR#A154, Siemens, Type: CR ,   Title: IOV reset Conditions

Discussion : To be modified to only set the default value at change of Kc towards an existing value. Agreed that a clarification is needed because of different implementations do already exist on the marked. It was agreed to clarify the text so that the change of Kc means the case when a Kc which is different from the current one is obtained.

Conclusion : Revised to 1969

N1-011969 : 04.64v 690   CR#A154r1, Siemens, Type: CR ,   Title: IOV reset Conditions

Discussion :

Conclusion : Agreed

N1-011847 : 04.64v 740   CR#A155, Siemens, Type: CR ,   Title: IOV reset Conditions

Discussion :

Conclusion : Agreed

N1-011848 : 04.64v 860   CR#A156, Siemens, Type: CR ,   Title: IOV reset Conditions

Discussion :

Conclusion : Agreed

N1-011849 : 44.064v 410   CR#004, Siemens, Type: CR ,   Title: IOV reset Conditions

Discussion :

Conclusion : Agreed

N1-011851 :   Siemens, Type: DISCUSSION ,   Title: IOV handling after cipher key re-assignment

Discussion : During IOT between the MS and the SGSN some question arises with regard to the point in time of setting the default IOV value in the LLC entity. If the authentication triplets are use twice by the network, e.g. the RAND value is the same as given in the previous authentication procedure and in consequence the assigned Kc is the same as the one which is currently used it is an open issue.

What is the meaning of 'change' in the standards part regarding Kc ? Both possible interpretations could be acceptable to Siemens, and the CRs can be adjusted to mean only change of an existing Kc value. Reuse of triplets at least from GSM network would then not apply the default setting. Is it reuse of more than the last stored Kc ? No the recent one is sufficient.

Conclusion : Noted

N1-011928 : Motorola, Type: DISCUSSION ,   Title: Fundamental principles of GPRS ciphering

Discussion : Only for information.

Conclusion : Noted

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6   Maintenance of Release 99

N1-011806 : 23.009v380   CR# 059, Siemens, Type: CR , Title: E-interface protocol during the supervision phase

Discussion : Currently, subclauses 7, 8.1, 8.2, and 8.3 specify general rules about the usage of BSSAP or RANAP on the E-interface during the 'supervision phase'. These rules are in contradiction to other parts of TS 23.009, as
i) for subsequent inter-MSC handover the radio access protocol used encapsulated on the E-interface depends only on the serving and the target radio access system, but not on the protocol used on the E-interface during basic inter-MSC handover;
ii) a subsequent intra-MSC-B intra GSM or inter-system handover is always indicated with a BSSMAP message (Handover Performed), regardless of the protocol used on the E-interface during basic inter-MSC handover.

Alignment of message names with the conventions used in the rest of the specification

Clarification of the protocol interworking scenarios specified in subclauses 11.7 and 12.7.

The intention is not to change anything on SRNS relocation. The term Intra-GSM term has been used elsewhere.

Conclusion : Agreed and endorced by CN4 during this meeting

N1-011807 : 23.009v420   CR# 060, Siemens, Type: CR , Title: E-interface protocol during the supervision phase

Discussion :

Conclusion : Agreed and endorced by CN4 during this meeting

N1-011808 : 29.018v370   CR# 022, Siemens, Type: CR , Title: Correction of the Location Update for non-GPRS service procedure

Discussion : The conditions, when the SGSN has to start a Location Update for non-GPRS service procedure, are not specified correctly. Especially, one case (combined RA/LA update, when the state of the association is Gs-Null) is missing completely: According to TS 24.008, subclause 4.7.5.2.1: "A GPRS MS in MS operation modes A or B that is in an ongoing circuit-switched transaction, shall initiate the combined routing area updating procedure after the circuit-switched transaction has been released, if the MS has changed the RA during the circuit-switched transaction and if the network operates in network operation mode I." If the MS is operating in MS operation mode A, it performed a non-combined routing area update when it changed the routing area while the circuit-switched transaction was ongoing. Therefore, the Gs association in the SGSN is broken. However, according to the current wording in 6.2.1, the SGSN will (re-)establish the association only if the MS performs a combined RA/LA update if the update type indicates "combined RA/LA update with IMSI attach"; if the LA has been changed; or if the SGSN serving the MS has changed. The case of update type "combined RA/LA update", without change of the LA, is not covered by this list.

Conclusion : Agreed

N1-011809 : 29.018v410   CR# 023, Siemens, Type: CR , Title: Correction of the Location Update for non-GPRS service procedure

Discussion : Agreed except for the WI that should be equal to 1806 category (TEI).

Conclusion : Agreed

N1-011810 : 24.007v370   CR#042r1, Siemens, Type: CR , Title: Clarification of the send sequence number mechanism

Discussion : CR#042 was agreed in N1-011453 in CN1#20. It is clarified that, when the MS is R98 or older, the N(SD) shall be operated modulo 2 in the NW. Furthermore, the requirement for R98 or older networks was deleted. For the GCC, BCC, and LCS protocol, V(SD) and N(SD) shall be operated modulo 2. The transfer execution is clarified based on version 8.9.0 of 04.18.

Why is these protocols using only one bit ? Because they use GSM radio access technology. TC (testing) not using sequence number was clarified. The CR needs to be provided for information to GERAN in the joint session on Tuesday to acknowledge a request they sent us in an earlier LS.

Conclusion : Agreed and superseeds N1-011453

N1-011811 : 24.007v400   CR#043r1, Siemens, Type: CR , Title: Clarification of the send sequence number mechanism

Discussion : CR#043 was agreed in N1-011454 in CN1#20. The cover page on Release and category shall be corrected by Per.

Conclusion : Agreed and superseeds N1-011454

N1-011852 : 24.008v390   CR#511, Siemens, Type: CR , Title: Value range for QoS profile parameter 'transfer delay'

Discussion : TS 23.107 specifies a value range for the UMTS bearer service attribute 'transfer delay'. The lower bound for the value range is 100 ms for the traffic class 'Conversational' and is 250 ms for the traffic class 'Streaming'. The coding of the lower bound for parameter 'transfer delay' in TS 24.008 allows values from 10 ms onwards. Thus, values ranging from 10 ms to 90 ms can be used though it would be in contrast to the defined value range in 23.107.

UMTS should not be worse than GSM so the code points should be allowed. The range can be wider than the request from the MS. Similar adaptation has been done for other fields.

Conclusion : Withdrawn

N1-011853 : 24.008v440   CR#512, Siemens, Type: CR , Title: Value range for QoS profile parameter 'transfer delay'

Discussion :

Conclusion : Withdrawn

N1-011854 : 24.008v510   CR#513, Siemens, Type: CR , Title: Value range for QoS profile parameter 'transfer delay'

Discussion :

Conclusion : Withdrawn

N1-011885: 23.009v380   CR#062, Nokia, Type: CR , Title: GSM to UMTS Handover: Iu-LOCATION-REPORTING message reception

Discussion :

Conclusion : Revised to 2026

N1-012026: 23.009v380   CR#062r1, Nokia, Type: CR , Title: GSM to UMTS Handover: Iu-LOCATION-REPORTING message reception

Discussion : SDL files are not available, but needs to be provided by the CR originator to be part of the CR going to the plenary.

Conclusion : Agreed

N1-011886: 23.009v420   CR#063, Nokia, Type: CR , Title: GSM to UMTS Handover: Iu-LOCATION-REPORTING message reception

Discussion :

Conclusion : Revised to 2027

N1-012027: 23.009v420   CR#063r1, Nokia, Type: CR , Title: GSM to UMTS Handover: Iu-LOCATION-REPORTING message reception

Discussion : SDL files are not available, but needs to be provided by the CR originator to be part of the CR going to the plenary.

Conclusion : Agreed

N1-011912 : 24.008v390   CR#517, Ericsson, Type: CR , Title: Restriction of the 0kbits maximum bitrate

Discussion : The 0 kbit/s value for the maximum bitrate is only applicable on the Gn interface in uplink direction and it is not expected to be used over the radio interface.

How to implement the CR as it stands with invalid value for the air interface? 23.107 was mentioned as supporting a case with 0 kbit/s in uplink direction. But since this is discussed in S2 now, the latest 23.107 may not be what is referred to. It was believed that 0kbit/s was allowed in downlink as well. There might come requirement how to handle 0 kbit/s on the airinterface, and a new CR is then needed.

Conclusion : Rejected

N1-011913 : 24.008v440   CR#518, Ericsson, Type: CR , Title: Restriction of the 0kbits maximum bitrate

Discussion :

Conclusion : Rejected

N1-011914 : 24.008v510   CR#519, Ericsson, Type: CR , Title: Restriction of the 0kbits maximum bitrate

Discussion :

Conclusion : Rejected

N1-011919 : 24.008v390   CR#521, T-Mobil, one2one, Siemens, Type: CR , Title: Impact of regional roaming restrictions on the GMM context

Discussion : Changes in the actions upon reception of reject cause #12 , #13 and #15 corrected in order to avoid the deactivation of the GMM context.

What will happen with older MSs connecting to R99 network , and R99 MSs in a R97 network ? No serious impact detected. Why introduce this only on frozen release 99 and not also R97? For #12 and #13 it is relevant if the meeting agrees to it. For #15 it is sensibel to keep the PDP contexts, but what about #12 when the subscription is the limitation within a region? For #13 another PLMN will be immediately available. The timing with service continuity needs to be evaluated, and is S1 opinion needed? Are we correcting an error here, or is it service aspects involved here ? The continuity is dependant on human behavior and the provisioning and dimensioning of the network and roaming possibiliies by the operator. International roaming is maybe more important than national. Are state changes needed as well ? The seperation of causes was well received. #15 was agreed to need the proposed change, but for 12 and 13 it will be discussed in this new evening session with GERAN.

In the session with GERAN also the #11 was raised as a possible candidate, especially in the border areas. For this late change only #12 and #15 was suggested, but doubts was raised on #12 as well. A compromise could be to do it for #13 and #15. Should it go to update state U3 instead of U2 ? Keep TMSI for #15.

- The clarification to the initial LU / attach cases were supported.

- The proposal to keep the GMM context after cause #13 or #15 was supported.

- The MS should not keep the GMM context after receiving cause #12

Conclusion : Revised to 1976

N1-011976 : 24.008v390   CR#521r1,   T-Mobil, one2one, Siemens,   Type: CR , Title: Impact of regional roaming restrictions on the GMM context

Discussion : In 4.4.4.7 for cause#13 last sentence is not consistent with the rest.

Conclusion : Revised to 2046

N1-012046 : 24.008v390   CR#521r2,   T-Mobil, one2one, Siemens,   Type: CR , Title: Impact of regional roaming restrictions on the GMM context

Discussion :

Conclusion : Agreed but presented seperated to plenary as controversial.

N1-011920 : 24.008v390   CR#522,   T-Mobil, one2one, Siemens,   Type: CR , Title: Conditions for the deletion of the equal PLMN list

Discussion : The MS shall not delete the list of equivalent PLMNs when attach or update procedures are rejected with cause #14 or #15. For actions to be performed after reception of cause #14 or #15 the MS shall use the list of equivalent PLMNs.

If PDP contexts in 1919 is kept for #13 the equivalent PLMN should be kept as well. 1919 and 1920 needs to be harmonized. Why should it be kept after #14,- service change for CS. For #15 the service is continuing within the PLMN. The new condition needs to be redone. The change seems to be an improvement but it was not seen as an essential one and therefore only Rel-5 CR should be studied.The proposed CR was supported, but what to do with #13 ?

In the session with GERAN it was highlighted that a CR could be needed for future releases like Rel-5, but not needed in R99. A problem is if a reject cause is used for 2 PLMN codes. #15 and #14 implemented in different versions did not get support, so both cause values should be implemented from Rel-5.

Conclusion : Revised to2033

N1-012033 : 24.008v390   CR#522r1,   T-Mobil, one2one, Siemens,   Type: CR , Title: Conditions for the deletion of the equal PLMN list

Discussion : Off line discussions found the corrections to be needed for R99 as well. Why is the CR affecting the network? The necessity of the change was discussed and it was agreed that the equivalent PLMN concept would not work without change in handling of cause values #14 and #15. There was concerns from two companies that this way may not be the most optimal way of making the correction and that it is a very late R99 change. Due to rollout of implementations it will not be possible to make any further changes in the future meetings without asking the manufacturers to change their existing implementations. Mirror CRs are N1-012034 and N1-011970

Conclusion : Revised to 2052

N1-012052 : 24.008v390   CR#522r2,   T-Mobil, one2one, Siemens,   Type: CR , Title: Conditions for the deletion of the equal PLMN list

Discussion :

Conclusion : Agreed

N1-011921 : 24.008v390   CR#523,   T-Mobil, one2one, Siemens,   Type: CR , Title: Introduction of new reject cause #18 - alternative behavior compared to cause #15

Discussion :

Conclusion : Not available

N1-011922 : 24.008v440   CR#524,   T-Mobil, one2one, Siemens,   Type: CR , Title: Impact of regional roaming restrictions on the GMM context

Discussion :

Conclusion : Revised to 1977

N1-011977 : 24.008v440   CR#524r1,   T-Mobil, one2one, Siemens,   Type: CR , Title: Impact of regional roaming restrictions on the GMM context

Discussion :

Conclusion : Revised to 2047

N1-012047 : 24.008v440   CR#524r2,   T-Mobil, one2one, Siemens,   Type: CR , Title: Impact of regional roaming restrictions on the GMM context

Discussion :

Conclusion : Agreed

N1-011923 : 24.008v440   CR#525,   T-Mobil, one2one, Siemens,   Type: CR , Title: Conditions for the deletion of the equal PLMN list

Discussion :

Conclusion : Revised to 2034

N1-012034 : 24.008v440   CR#525r1,   T-Mobil, one2one, Siemens,   Type: CR , Title: Conditions for the deletion of the equal PLMN list

Discussion :

Conclusion : Revised to 2053

N1-012053 : 24.008v440   CR#525r2,   T-Mobil, one2one, Siemens,   Type: CR , Title: Conditions for the deletion of the equal PLMN list

Discussion :

Conclusion : Agreed

N1-011924 : 24.008v440   CR#526,   T-Mobil, one2one, Siemens,   Type: CR , Title: Introduction of new reject cause #18 - alternative behavior compared to cause #15

Discussion :

Conclusion : Not available

N1-011925 : 24.008v510   CR#527,   T-Mobil, one2one, Siemens,   Type: CR , Title: Impact of regional roaming restrictions on the GMM context

Discussion :

Conclusion : Revised to 1978

N1-011978 : 24.008v510   CR#527r1,   T-Mobil, one2one, Siemens,   Type: CR , Title: Impact of regional roaming restrictions on the GMM context

Discussion :

Conclusion : Revised to 2048

N1-012048 : 24.008v510   CR#527r2,   T-Mobil, one2one, Siemens,   Type: CR , Title: Impact of regional roaming restrictions on the GMM context

Discussion :

Conclusion : Agreed

N1-011926 : 24.008v510   CR#528,   T-Mobil, one2one, Siemens,   Type: CR , Title: Conditions for the deletion of the equal PLMN list

Discussion :

Conclusion : Revised to 1970

N1-011970 : 24.008v510   CR#528r1,   T-Mobil, one2one, Siemens,   Type: CR , Title: Conditions for the deletion of the equal PLMN list

Discussion :

Conclusion : Revised to 2054

N1-012054 : 24.008v510   CR#528r2,   T-Mobil, one2one, Siemens,   Type: CR , Title: Conditions for the deletion of the equal PLMN list

Discussion :

Conclusion : Agreed

N1-011927 : 24.008v510   CR#529,   T-Mobil, one2one, Siemens,   Type: CR , Title: Introduction of new reject cause #18 - alternative behavior compared to cause #15

Discussion :

Conclusion : Not available

N1-011949 : 23.009v380 CR#056r1, Ericsson, Type: CR, Title: Usage of Location Reporting for Relocation and Inter-system Handover

Discussion : SDL to align with CR 048 approved at CN#13, NP-010494. Check on the first branch to see whether Location Reporting is supported or not in 3G_MSC-B.

The SDL source file is not attached, and the revision marks are not indicated.

Conclusion : Revised to 1971

N1-011971 : 23.009v380 CR#056r2, Ericsson, Type: CR, Title: Usage of Location Reporting for Relocation and Inter-system Handover

Discussion :

Conclusion : Agreed

N1-011950 : 23.009v420 CR#057r1, Ericsson, Type: CR, Title: Usage of Location Reporting for Relocation and Inter-system Handover

Discussion :

Conclusion : Revised to 1972

N1-011972 : 23.009v420 CR#057r2, Ericsson, Type: CR, Title: Usage of Location Reporting for Relocation and Inter-system Handover

Discussion :

Conclusion : Agreed

7 Maintenance of Release 4

N1-011784 : 24.008v440 CR#494r1, Ericsson, Type: CR , Title: RR Establishment Causes for LCS procedures

Discussion : In Release 4 it is required that LCS be suported by the PS Domain. As such the RRC Establishment Causes for NAS procedures within the PS Domain must reflect the LCS procedures that has to be supported. Thus this CR proposes RRC Establishment Causes to cater for LCS procedures.

What is location services,- LCS procedures, or supplementary services ? What about LMU signalling ? Some generic wording was requested, also for the circuit part.

Conclusion : Revised to 1973

N1-011973 : 24.008v440 CR#494r2, Ericsson, Type: CR , Title: RR Establishment Causes for LCS procedures

Discussion :

Conclusion : Agreed

N1-011785 : 24.008v510 CR#495r1, Ericsson, Type: CR , Title: RR Establishment Causes for LCS procedures

Discussion :

Conclusion : Revised to 1974

N1-011974 : 24.008v510 CR#495r2, Ericsson, Type: CR , Title: RR Establishment Causes for LCS procedures

Discussion :

Conclusion : Agreed

N1-011996 : 24.008v440 CR#531, Motorola, Type: CR , Title: CR to 24.008. Corrections to references.

Discussion : The mirror CR must be available to the plenary by the rapporteur for this CR to be approved. The rapporteurs of CN1 are invited to remove 04.08 references from their specifications. These need to be replaced by references to 24.008 (CN protocols) or 44.018 (GSM RR). The change will be done from Rel-4 onwards.

Conclusion : Agreed

8 Release 5

8.1 Rel-5 corrections

N1-011850 : 24.008v510 CR#510, Siemens, Type: CR , Title: Clarification on the EDGE parameters in the Mobile Station Classmark 3 IE

Discussion : The EDGE technology could be used for both CS dedicated and PS TBF connections. As the EDGE specific parameters defined in the MSC3 IE are applicable only for the CS variant also called ESCD this term is used instead EDGE. Also the possibility to use multiple timeslots for one RR connection is possible for CS and PS connections. As the MSC3 is only describing the CS variant it is clarified that the parameters are only applicable for the CS variant HSCSD. Furthermore various editorial and syntactical corrections are proposed.

Some fields of the CM3 has not been updated with the corrected terminology (RA and multislot parts). Except for the PS part this is mainly an editorial CR with no implementation impact. Is the changes only existing within the CM3 IE. If no update is done to R99 (EDGE) or earlier (R97 HSCSD), it will be confusing to implementers. The meeting found the CR not justified for a frozen release. The WI used is EDGE which is not a release 5 one,- TEI5 shall be used?

Conclusion : Revised to 1980 and shown toGERAN in agenda item 12

N1-011980: 24.008v510   CR#510r1, Siemens, Type: CR , Title: Clarification on the EDGE parameters in the Mobile Station Classmark 3 IE

Discussion :

Conclusion :Revised to 1995

N1-011995: 24.008v510   CR#510r2, Siemens, Type: CR , Title: Clarification on the EDGE parameters in the Mobile Station Classmark 3 IE

Discussion :

Conclusion : Agreed

N1-011939 : 29.018v410 (on IUFLEX, lifting the spec to Rel-5)   CR#025, Vodafone, Type: CR , Title: Intra-Domain Connection of RAN Nodes to Multiple CN Nodes

Discussion :

Conclusion : Revised to 1981

N1-011981 : 29.018v410 (on IUFLEX, lifting the spec to Rel-5)   CR#025r1, Vodafone, Type: CR , Title: Intra-Domain Connection of RAN Nodes to Multiple CN Nodes

Discussion : The way in which the SGSN derives the VLR number is modified in the case that the network is running the 'Intra Domain Connection of RAN Nodes to Multiple CN Nodes' feature.

Conclusion : Agreed

8.2   IMS draft specifications and other documents for information

N1-011821 : 24.229v080, Lucent, Type: TS , Title: Current draft 24.229: "IP Multimedia Call Control Protocol based on SIP and SDP"

Discussion :

Conclusion : Noted

N1-011822: Lucent T., Type: INFO, Title: Summary of current IETF documents on SIP

Discussion :

Conclusion : Noted

N1-011823 : Lucent T., Type: INFO, Title: Summary of current IETF documents on SIPPING

Discussion :

Conclusion : Noted

N1-011824 : Lucent T., Type: INFO, Title: Summary of current IETF documents on SIMPLE

Discussion :

Conclusion : Noted

N1-0101825 : Lucent T., Type: INFO, Title: Summary of current IETF documents on MMUSIC

Discussion :

Conclusion : Noted

N1-011866 : 24.228v170,   Motorola, Type: TS , Title: 24.228v170 "Signalling flows for the IP multimedia call controlbased on SIP and SDP"

Discussion :

Conclusion : Noted

N1-011867 : 23.218v090,   Motorola, Type: TS , Title: 23.218v090 "IP Multimedia (IM) Session Handling"

Discussion : The rapporteurs company to be changed in the DB.

Conclusion : Noted

N1-011871 : Internet Draft,   Ericsson, Type: Spec. til INFO , Title: I-D: 3GPP requirements on SIP

Discussion :

Conclusion : Noted

8.3   IMS 24.228 issues for joint CN WGs session

N1-011798 : 24.228,   Lucent T., Type: CR , Title: CR to 24.228: Function split between P-CSCF and PCF

Discussion : Revised to 1956 before the meeting.

Conclusion : Withdrawn

N1-011799 : 24.228,   Lucent T., Type: CR , Title: CR to 24.228: Cx Session Initiation

Discussion : Withdrawn and revised to 1975 before presentation.

Conclusion : Revised to 1975

N1-011975 : 24.228,   Lucent T., Type: CR , Title: CR to 24.228: Cx Session Initiation

Discussion : Correction needed.

Conclusion : Revised to 2009

N1-012009 : 24.228,   Lucent T., Type: CR , Title: CR to 24.228: Cx Session Initiation

Discussion :

Conclusion: Agreed

N1-011800 : 24.228,   Lucent T., Type: CR , Title: CR to 24.228: Cx Registration

Discussion :

Conclusion : Not treated due to time

N1-011843 : S2-013078,   To: N4   Cc: Proposed by Lucent for the JointCN, Type: LS IN , Title: LS on Optimization of the Registration Information Flows

Discussion : Has been seen before this session by both CN1 and CN4. If CN4 has agreed on this it must go into CN1 24.228 specification as well with a future CR. It has already been notified by CN4 that the change to their specification will be implemented.

Conclusion : Noted

N1-011882 : 24.228,   Nokia, Type: CR , Title: PSTN-O

Discussion : This contribution is a follow-up contribution to the N1-011510. It implements PSTN/CS domain interworking enhancements presented in S2-012237 in SA2 Drafting meeting in Vancouver 8-12 October 2001.

PSTN/CS domain needs another terminology. Flow no 6/7 was commented (arbitrary order ?). COPS message is optional. Additional editorials to be incorporated.

Conclusion : Revised to 2007

N1-012007 : 24.228,   Nokia, Type: CR , Title: PSTN-O

Discussion : Non-SIP protocol needs to be inserted by the rapporteur.

Conclusion : Agreed

N1-011883 : 24.228,   Nokia, Type: CR , Title: PSTN-T

Discussion : This contribution implements the changes accepted in N1-011316, N1-011317, N1-011335 and N1-011354 to the PSTN-T signaling flow. It also implements the latest notation conventions accepted in CN1 #19bis meeting (N1-011422). It also incorporates the changes presented in the S2-012237 in SA2 #19 meeting.

Vertical line is dotted instead of solid as previous figures on this. PSTN CS domain is in CN3 called Circuit switched network. Again COPS is optional, and again additional editorials to be incorporated.

Conclusion : Revised to 2008

N1-012008 : 24.228,   Nokia, Type: CR , Title: PSTN-T

Discussion :

Conclusion : Agreed

N1-011884 : Nokia, Type: DISCUSSION , Title: Interworking between 3GPP UE (IPv6 only) and external SIP device (IPv4 only)

Discussion : Revised and agreed in CN3 already. CN3 left one of the proposed items for CN1 to decide. In 3GPP Rel5 the terminals shall use IPv6 (exclusively) when communicating with IMS. As the timeframe for changing/upgrading the current IPv4 devices on the Internet to IPv6 is difficult to foresee, it is assumed that there will be a need for a session between a SIP-client using IPv4 (sitting on the Internet or a corporate network) and a 3G mobile terminal using IPv6, and for such a call to succeed the network needs to provide support for complex translation mechanisms. The interworking is not limited to simple IP protocol translation (between v4 and v6) since applications like SIP include transport addresses (IP address and port number) in the packet payload to establish new media or data connections. SIP is a protocol used for the initiation, modification, and termination of sessions. As a core part of its functionality, SIP carries the ports, IP addresses and domain names needed to describe the sessions it controls. The issues to be considered when setting up and controlling multimedia sessions with SIP through NAT-like devicesare,-conveying the SIP messages themselves through these devices and assure that subsequent requests are correctly routed on the same path as the initial requests were routed,- and conveying the SIP-initiated media session streams through these devices.

If new interface needs to be worked on it must be contributed to SA2 for decision and delegating the work to a proper CN WG responsibel. A LS to SA2 for this parallell meeting is needed to make them aware on the work .

Conclusion : LS OUT in 2006 by Gabor

N1-011941 : 24.229,   BT   , Type: CR , Title: Interworking with TS 24.229 SIP

Discussion : It is expected that many corporate networks will support SIP terminals for IP multimedia applications. These may not support the full set of SIP methods and pre-conditions, and as such interworking to 3GPP UEs (supporting TS 24.229 SIP) is required in order to allow to SIP based corporate networks to communicate with 3GPP UEs using SIP.

Earlier a contribution from Ericsson/Nokia of 6 scenarios has been provided, and could be considered with this document to define which interworking issues is needed to cater for, and where to solve it. It could be in the UE as well, and a solution as proposed to delay payload delivery is not acceptable. If interworking units are needed we should be adviced by the architecture people to do so. In IETF the SIP also supports IPv6 even not mandated as in 3GPP. How can the originating S-CSCF know wether the call is going to a non-3GPP or PSTN terminal or not. An absolut solution to the interworking was voiced against, but instead look for solutions in the network or UE in a case by case basis. A package seems needed for 3GPP UE since nothing is possible to mandate for non-3GPP terminals. The proposal seen here is in general terms and not covering many scenarios, so it was not a sufficient base for future work. Proposed to make editors note now to state that work in this area is needed and maybe that the workload be shareed between CN3 and CN1. Not seen needed as the work started in the May 2001 meeting, and is progressing. A TR to hold in this probably from CN3 was mentioned as a way forward as well, and also to use discussion on the N1 exploder list.

Conclusion : Noted

N1-011956 : 24.228, Lucent T., Type: CR , Title: CR to 24.228: Function split between P-CSCF and PCF

Discussion : Revised from 1798 before the meeting.

Conclusion : Not treated due to time

N1-011957 : 24.228, Lucent T., Type: CR , Title: CR to 24:228: QoS with Resource Reservation, Mobile Originating

Discussion : Revised from 1798 before the meeting.

Conclusion : Not treated due to time

N1-011958 : 24.228, Lucent T., Type: CR , Title: CR to 24:228: QoS with Resource Reservation Mobile Terminating

Discussion : Revised from 1798 before the meeting.

Conclusion : Not treated due to time

N1-011987 : CN3, Type: DISCUSSION, Title: Interworking between 3GPP UE (IPv6 only) and external SIP device (IPv4 only)

Discussion : CN3 revision of N1-011884.

A proposal to SA2 could be made, but more time to analyze was requested. CN3 has made their decision to have this as annex in 29.162 and it is provided to this meeting for information. The functionality needs to be in the home network, but can be in the visited network. The proposal is to have this as a reminder in an informal annex of 24.229 also, meaning the work has started. To be revised for N1 review with some changes to be acceptable for 24.229.

Conclusion : Revised to 2005

N1-012005 : CN3, Type: DISCUSSION, Title: Interworking between 3GPP UE (IPv6 only) and external SIP device (IPv4 only)

Discussion :

Conclusion: Not available

8.4 IMS Registration

N1-011790 : 24.229, Lucent T., Type: CR, Title: CR to 24.229: Editorial and minor technical changes - registration clauses

Discussion : No presentation required.

Conclusion : Revised to 2012

N1-012012 : 24.229, Lucent T., Type: CR, Title: CR to 24.229: Editorial and minor technical changes - registration clauses

Discussion :

Conclusion : Agreed

N1-011872 : 24.228, Ericsson, Type: CR, Title: Visited Network Identifier

Discussion : 24.228 v1.7.0 sections 6 and 16 deals with the registration of users. One of the requiremenst is to be able to transport the visited network identifier from the visited network to the home network. It has been agree in previous meetings that this identifier is not related to a DNS domain name, although it could potentially be the visited network domain name. SA2 has already corrected the registration procedures in 23.228 through the change request S2-012998. The information transported from the visited network to the home network is the P-CSCF network identifier. The term *P-CSCF network identifier* was chosen instead of *visited network identifier* in order to avoid confusion to the reader when the GGSN and P-CSCF are located in the home network. In the flows in 24.228 and the procedures in 24.229 the term *visited network identifier* seems to be clear that refers to the network where the P-CSCF belongs. It is proposed to add a new SIP header, called *Roaming-Info*. This header contains several parameters. One of them is the *vnid* (stands for Visited Network IDentifier). The proposal is accompanied with a future Internet Draft that describes the Roaming-Info header and its contents.

The question on this solution was how to get it through IETF. Will probably have similar discussion as privacy and cell-id since the visited network identity can be known by the Registrar. Alternative fields have been tried to solve the visited network identifier, implying too much work. The new header is not end to end and is always inserted by the P-CSCF, and not related to Remote Part ID which is end to end. It can work as container with future flexibility. If the opinion of IETF is sought first then when can this issue proceed? This can be done as deletion also after introducing this CR now. The contact header modification is not part of this CR. This new header introduces another IETF dependency when issued. Could the header be more generic to cope with eg. cell-id ? This would expand on the P-CSCF to S-CSCF transport part. This CR is agreeable if the corresponding drafts go through in the IETF,- meaning going back to the existing solution. As this is in the network only the privacy issue should not imply, as it will for cell-id. This header is not for routing purposes.

Conclusion : Revised to 1982

N1-011982 : 24.228, Ericsson, Type: CR, Title: Visited Network Identifier

Discussion : Private ID is still available at P-CSCF.

Conclusion : Agreed

N1-011876 : 24.229, Nokia, Type: CR, Title: Procedures at P-CSCF: Registration

Discussion : The P-CSCF behavior when 3xx or 4xx responses are received is FFS. The text assumes that public identities are registered one by one. Public ID might need to be changed to Service Profile in the case when public identities can be implicitly registered.

This has a comparing CR in 1936. A note to be added and some editorials to be agreed upon for the revision.

Conclusion : Revised to 1984

N1-011984 : 24.229, Nokia, Type: CR, Title: Procedures at P-CSCF: Registration

Discussion :

Conclusion : Agreed

N1-011896 : 24.229, Siemens, Type: CR, Title: CR to 24.229: Multiple public User IDs - S-CSCF

Discussion : This contribution provides additional text and changes to 24.229 for the purpose of providing procedures about automatically registered public user IDs.

Implicitely registered public IDs versus automatic explicit registration issues was discussed. The example could be replaced with 'note' and further editorials was requested. The use of presence is not finalized with this CR.

Conclusion : Revised to 1985

N1-011985 : 24.229, Siemens, Type: CR, Title: CR to 24.229: Multiple public User IDs - S-CSCF

Discussion :

Conclusion : Agreed

N1-011897 : 24.229, Siemens,   Type: CR, Title: CR to 24.229: Multiple public User IDs - UE

Discussion : This contribution proposes two alternative texts for the registration of multiple public user identities at the UE. The first text shows explicit subscription to the registration-state event package by sending a SUBSCRIBE message following successful initial registration, the second one shows implicit subscription to the registration-state event package within the initial REGISTER request.

The first option received support.

Conclusion : Revised to1986

N1-011986 : 24.229, Siemens,   Type: CR, Title: CR to 24.229: Multiple public User IDs - UE

Discussion :

Conclusion : Agreed

N1-011898 : 24.229, Siemens,   Type: CR, Title: CR to 24.229: Multiple public User IDs - P-CSCF

Discussion : This contribution adds text for the P-CSCF subscription to the users registration-state event package. It shows how multiple public user ids are bound within the P-CSCF. It also introduces text for network initiated de-registration handling at the P-CSCF.

Change 'shall' to 'may' regarding routing on incoming REGISTER. The current working assumption is shall, but an alternative mechanism is beeing studied. No change was the majority opinion.

Conclusion : Revised to 1988

N1-011988 : 24.229, Siemens,   Type: CR, Title: CR to 24.229: Multiple public User IDs - P-CSCF

Discussion :

Conclusion : Agreed

N1-011907 : Lucent T.,   Type: DISCUSSION, Title: Registration Handling for S-CSCF, HSS and AS

Discussion : Making each AS aware that the subscriber is registered is similar to the presence model. There is a framework defined in <draft-ietf-sip-events-01.txt> for event notification. The SUBSCRIBE and NOTIFY methods are defined for event notification purposes. Specific packages, such as <draft-ietf-simple-winfo-package-00.txt> "A SIP Event Sub-Package for Watcher Information", are defined to build on the framework. A new sub-package may need to be defined for 3GPP, or an existing sub-package may be able to be reused.

Some Cx messages, eg 4, 5 and 6 in fig.1, is not supported by the CN4 Cx protocol. The different 4 approaches using the NOTIFY was according to SIP mechanism. But how the SUBSCRIBE sent from AS selects the S-CSCF needs more investigation, as well as other solutions to the topic (of which non seems perfect). Alternative 2 had some support as base for further progress, as well as alternative 4 (and alternative 3).

Conclusion : Noted

N1-011908 : 24.229, Lucent T.,   Type: CR, Title: CR to 24.229: SIP Level Registration Procedures for S-CSCF and AS

Discussion :

Conclusion : Withdrawn

N1-011909 : 23.218, Lucent T.,   Type: CR, Title: CR to 23.218: Application Level Registration Procedures for S-CSCF, HSS and AS

Discussion :

Conclusion : Withdrawn

N1-011910 : 24.229, Lucent T.,   Type: CR, Title: CR to 24.229: Registration procedures at the MRFC

Discussion : Discussed after 1828 was agreed. The contribution identifies the registration requirements for the MRFC - like the MGCF there are none. Therefore similar text to that already included for the MGCF should also be included for the MRFC. The issue was considered premature to decide on now.

Conclusion : Rejected

N1-011931 : 24.228,   Lucent T.,   Type: CR, Title: CR to 24.228: Addition of authentication to the registration and registration call flows

Discussion :

Conclusion : Revised to 2029

N1-012029 : 24.228,   Lucent T.,   Type: CR, Title: CR to 24.228: Addition of authentication to the registration and registration call flows

Discussion :

Conclusion : Agreed

N1-011936 : 24.229,   Lucent T.,   Type: CR, Title: CR to 24.229: Registration and deregistration procedures at the P-CSCF

Discussion : This has a comparing CR in 1876. There should not be necessary to check the Expires header for deregistration. The P-CSCF can not do anything if the response is 0, eg in the case this is an error case from S-CSCF. The need for this functionality is doubted for now, and could be added later if a requirement is identified. If response 200 OK is not received the P-CSCF is not aware of the S-CSCF situation anyway.

Conclusion : Rejected

N1-011938 :   Vodafone,   Type: DISCUSSION, Title: Handling of rejected REGISTER requests in IMS

Discussion : Late document.

Conclusion : Not treated due to time

N1-011964 :   23.218, Dynamicsoft,   Type: CR, Title: Application Level Registration Procedures for S-CSCF

Discussion : Late document.

Conclusion : Not treated due to time

8.5   IMS Deregistration

N1-011791 : 24.229,   Lucent T.,   Type: CR, Title: CR to 24.229: Editorial and minor technical changes - deregistration clauses with hiding

Discussion :

Conclusion : Revised to 2013

N1-012013 : 24.229,   Lucent T.,   Type: CR, Title: CR to 24.229: Editorial and minor technical changes - deregistration clauses with hiding

Discussion : There is a condition on implementing point 6, this should not be done if N1-011892 is agreed later in this meeting.

Conclusion : Agreed

N1-011894 : 24.229,   Siemens,   Type: CR, Title: CR to 24.229: Network initiated De-Registration - S-CSCF

Discussion :

Conclusion : Not available

N1-011895 : 24.229,   Siemens,   Type: CR, Title: CR to 24.229: Network initiated De-Registration - UE

Discussion : This contribution adds text for the UE procedures for network initiated de-registration.

Should the public identities be stored or just marked as deregistered (forgotten)? Probably no need to state a requirement to inform the user in a stage 3 protocol. What shall happen with the signalling PDP context when the user is deregistered ? Should GPRS interaction be placed in 24.229 at all ?

Conclusion : Revised to 1989

N1-011989 : 24.229, Siemens, Type: CR, Title: CR to 24.229: Network initiated De-Registration - UE

Discussion : The rapporteur was asked to correct the spelling of the term 'network-initiated'.

Conclusion : Agreed

8.6   IMS Configuration hiding

N1-011797 : 24.228, Lucent T., Type: CR, Title: CR to 24.228: Notation for Tokenisation

Discussion : Not available, withdrawn before the meeting.

Conclusion : Withdrawn

N1-011881 : 24.229, Nokia, Type: CR, Title: Deleting sentence from 11.3.2

Discussion : The I-CSCF functionality description is split into two different parts in 24.229. The first functionality of I-CSCF is to find the next hop of the message (the right S-CSCF) and route the message. The second functionality is THIG, which is only used for the network configuration hiding purposes.

It is proposed to delete the hiding part here since it is in 1901, and therefore avoiding duplication. To be treated together with 2023 for the introduction of this kind of text.

Conclusion : Withdrawn

N1-011901 : 24.229, Siemens, Type: CR, Title: CR to 24.229: THIG functionality in the I-CSCF(THIG)

Discussion : This contribution proposes text for section 11.3.3 of 24.229, which describes the complete THIG functionality in the IMS. One of the advantages of the proposed text is, that it can be applied to any entity that needs to perform the THIG functionality, i.e. if in later releases also entities other then the I-CSCF need to act as a THIG, this text will also apply to these entities.

Hiding of ASs outside your own network should not be done was an expressed idea. Some comments to be taken onboard.

Conclusion : Revised to 2023

N1-012023 : 24.229, Siemens, Type: CR, Title: CR to 24.229: THIG functionality in the I-CSCF(THIG)

Discussion : The paragraph describing the hiding in I-CSCF was controversial and was asked to be removed by Lucent.

Conclusion :Revised to 2056

N1-012056 : 24.229, Siemens, Type: CR, Title: CR to 24.229: THIG functionality in the I-CSCF(THIG)

Discussion :

Conclusion : Agreed

N1-011904 : 24.228, Siemens, Type: CR, Title: CR to 24.228: Script input: Update of tokenization notation in 24.228

Discussion :

Conclusion : Not available

8.7   IMS Authentication

N1-011802 : 24.229, H3g,   Type: CR, Title: UE Actions on Network Initiated Re-Authentication

Discussion : At the CN1 meeting in Brighton the S-CSCF requirements for network initiated re-authentication were added to Annex A of 24.229, as defined in ref 1.This contribution proposes equivalent requirements to be added to the UE procedures section. The proposal allows the UE to indicate to the network that it has rejected the authentication challenge, and limits the number of times this will be done before the UE starts to ignore the invalid challenges.

1893 affects the same section and are treated together. Keep IMS and NAS part seperated on authentication (UE, USIM) and what is done where.

Conclusion : Revised to 2024

N1-012024 : 24.229, H3g,   Type: CR, Title: UE Actions on Network Initiated Re-Authentication

Discussion :

Conclusion :Not available

N1-011805 : Hutchison 3g, Type: DISCUSSION, Title: Authentication of INVITE and other methods

Discussion : At the CN1#20bis meeting it was agreed to add a mandatory Authentication header to the REGISTER method. This header contains the Private ID of the user, enabling this to be used for authentication of the user on registration.This document explores the need for a similar Authentication header with Private ID to be added to other SIP methods.

This problem is acknowledged by S3, and solution is sought.

Conclusion : Noted

N1-011860 : 24.229, Ericsson, Type: CR, Title: Re-registration due to re-authentication

Discussion : Current procedures have introduced a fixed number of attempts for the re-authentication process, which is three. But there is no reason to limit or mandate this to 3, rather the flexibility should be provided for this to be an operator defined parameter. As per SA1/SA2 decision, different set of public Ids may belong to different service profiles and failure of a set of public Ids belonging to one service profile may not lead to removal of all public Ids in multiple service profiles. The text has been clarified to reflect that.

A Siemens contribution affects this section also. For security it was thought that a limit is needed. This is complied to by the number inserted by the operator for the S-CSCF. No strong reason was seen for changing from fixed nuber.

Conclusion : Rejected

N1-011865 : 24.228, Ericsson, Type: CR, Title: Authentication in 24.228

Discussion : This contribution proposes an information flow for an authenticated IMS registration with the S-CSCF. The proposal includes flows for a successful authentication and adds Sections 6.9 in 24.228 for authentication (non hiding). This is related to N1-011917 that addresses the hiding case.

A competing contribution in N1-011931 was treated together with this. A proposal is to merge the 2 into a new contribution for the next meeting. Waiting for S3 stage 2 is not practical due to timing. 1917 for the hiding case can then be stated as withdrawn.

Conclusion : Revised to2028

N1-012028 : 24.228, Ericsson, Type: CR, Title: Authentication in 24.228

Discussion :

Conclusion : Agreed

N1-011890 : 24.228, Siemens, Type: CR, Title: Network initiated Re-Authentication

Discussion :

Conclusion : Revised to 2035

N1-012035 : 24.228, Siemens, Type: CR, Title: Network initiated Re-Authentication

Discussion :

Conclusion : Agreed

N1-011891 : 24.228, Siemens, Type: CR, Title: Network initiated Re-Authentication (Hiding)

Discussion :

Conclusion : Revised to 2036

N1-012036 : 24.228, Siemens, Type: CR, Title: Network initiated Re-Authentication (Hiding)

Discussion :

Conclusion : Agreed

N1-011892 : 24.229, Siemens, Type: CR, Title: CR to 24.229: Network initiated Re-Authentication - S-CSCF

Discussion : This contribution proposes changes and additions to the text for network initiated re-authentication currently available in 24.229.

Identifying the subscription/private identity and not the entity. At reauthentication on one public identity is it all public identities that are authenticated ? N1-011892 and N1-011905 are linked. If N1-011892 is agreed then N1-011905 can be withdrawn.

Conclusion : Revised to 2030

N1-012030 : 24.229, Siemens, Type: CR, Title: CR to 24.229: Network initiated Re-Authentication - S-CSCF

Discussion : Proposed delayed to the Phoenix meeting due to readability and more editorials. N1-012030 and N1-011905 are linked. If N1-012030 is agreed then N1-011905 can be withdrawn.

Conclusion : Rejected

N1-011893 : 24.229, Siemens, Type: CR, Title: CR to 24.229: Network initiated Re-Authentication - UE

Discussion : Upon receipt of a NOTIFY message on the dialog which was generated during subscription to the registration-state event package as described in clause 11.1.2.1, which contains the registration state value "re-authenticate" for one or more public identities of the user which were previously stored as registered, the UE shall automatically perform the re-registration procedures as described in clause 11.1.1.2 for one or more public identities.

The procedure to be executed only needs to be referred by the heading.

Conclusion : Revised to 2025

N1-012025 : 24.229, Siemens, Type: CR, Title: CR to 24.229: Network initiated Re-Authentication - UE

Discussion : Clean up the UE terminology related to authentication was requested. It was clarified that the term UE covers all protocol capabilities, including the IMS protocols.

Conclusion : Agreed

N1-011905 : 24.229, Lucent T., Type: CR, Title: CR to 24.229: Editorial and minor technical changes - authentication clauses

Discussion : N1-012030 and N1-011905 are linked. If N1-012030 is agreed then N1-011905 can be withdrawn.

Conclusion : Agreed

N1-011917 : 24.228, Ericsson, Type: CR, Title: Authentication in 24.228 (Hiding)

Discussion :

Conclusion : Withdrawn

8.8   IMS Call initiation

N1-011792 : 24.229,   Lucent T.,   Type: CR, Title: CR to 24.229: Editorial and minor technical changes - call initiation clauses

Discussion :

Conclusion : Revised to 2014

N1-012014 : 24.229,   Lucent T.,   Type: CR, Title: CR to 24.229: Editorial and minor technical changes - call initiation clauses

Discussion :

Conclusion : Agreed

N1-011795 : 24.228,   Lucent T.,   Type: CR, Title: CR to 24:228: Flow correction for 7.2.2.2, 7.2.2.3, 17.2.2.2 and 17.2.2.3

Discussion : Some flows in 24.228 are not kept updated with others, like Service Control box missing in some flows, so this contribution is trying to update those flows to reflect the correct information.

This CR is not against last draft version.

Conclusion : Withdrawn

N1-011828 : 24.229,   Lucent T.,   Type: CR, Title: CR to 24.229: Addition of the MRFC to scope and contents

Discussion : The MRF functionality has now reached a degree of stability with respect to interface definition within TS.23002 and TS 23.228, and it is therefore proposed to extend the scope of TS 24.229 to cover the associated interfaces to the MRF. It is not proposed to add the Sr reference point at this time as this is still for further study within TS 23.002 (and TS 23.228).

Conclusion : Agreed

N1-011829 : 24.229,   Lucent T.,   Type: CR, Title: CR to 24.229: Refinements to scope and contents relating to BGCF

Discussion :

Conclusion : Agreed

N1-011833 : 24.228,   Lucent T.,   Type: CR, Title: CR to 24.228: A review of the editor's notes in clauses 7.4 and 17.4

Discussion :

Conclusion : Revised to 2016

N1-012016 : 24.228,   Lucent T.,   Type: CR, Title: CR to 24.228: A review of the editor's notes in clauses 7.4 and 17.4

Discussion :

Conclusion : Agreed

N1-011837 : 24.229,   Lucent T.,   Type: DISCUSSION, Title: Complex UEs and Record-Route

Discussion : Views are sought as to whether : - a mechanism should be sought to all the Record-Route to be used by proxies within complex UEs, e.g. by turning round a UE generated Record-Route set of headers at the P-CSCF; or - complex UEs should be precluded, and we allow UEs to contain the UA functionality only.

It was seen premature to consider this now since complex UEs is not for Rel-5. Some work to prepare for later introduction could be assessed by CN1. The handling of Record-Route at P-CSCF, if one is received from the UE could be defined to make the behaviour predictable for later releases which may introduce complex UEs. Revealing the

recorded route would open fraud potential for the UE, such as bypassing the S-CSCF which handles the charging. A reason for not using record route is that UE 'can not be trusted'.

Conclusion : Noted

N1-011838 : Lucent T., Type: DISCUSSION, Title: Handling of the initial INVITE request

Discussion : Late document

Conclusion : Not treated due to time

N1-011839 : Lucent T., Type: DISCUSSION, Title: Discussion document on SDP usage

Discussion : Revised to N1-011934 before the meeting.

Conclusion : Withdrawn

N1-011934 : Lucent T., Type: DISCUSSION, Title: Discussion document on SDP usage

Discussion :

Conclusion : Noted

N1-011855 : 24.228, AT&T Wireless, Type: CR, Title: Update Via and Record-Route headers in 24.228

Discussion : During CN1#20bis in Seattle, it was agreed (in N1-011716) that the Via header and Record-Route header in 24.228 need to be updated for handling Spiral requests and loop detection. This contribution proposes some scripts to update 24.228.

The user part is not needed as it can be changed anyhow. The change could be applied to the Path header as well. Branch applies for Proxy and not for UAs. Delete all lines with mgcf.

Conclusion : Revised to 2000

N1-012000 : 24.228, AT&T Wireless, Type: CR, Title: Update Via and Record-Route headers in 24.228

Discussion :

Conclusion : Agreed

N1-011861 : 24.228, Ericsson, Type: CR, Title: Introducing support of ENUM into TS 24.228

Discussion : TS 23.228 v 5.2.0 indicates that the S-CSCF shall support the use of ENUM protocol to translate the E.164 number to a SIP-URL. This is indicated in sub-clause 4.3.5.

RFC 2916 contains both the protocol and the procedure, and this raise the question of what needs to be supported. The Database Structure was discussed and this part of RFC2916 is outside the scope.

Conclusion : Revised to 2001

N1-012001 : 24.228, Ericsson, Type: CR, Title: Introducing support of ENUM into TS 24.228

Discussion :

Conclusion : Agreed

N1-011862 : 24.229, Ericsson, Type: CR, Title: Introducing support of ENUM into TS 24.229

Discussion :

Many comments were received for improvement of this CR.

Conclusion : Revised to 2002

N1-012002 : 24.229, Ericsson, Type: CR, Title: Introducing support of ENUM into TS 24.229

Discussion :

Conclusion : Revised to 2045

N1-012045 : 24.229, Ericsson, Type: CR, Title: Introducing support of ENUM into TS 24.229

Discussion :

Conclusion : Agreed

N1-011873 : 24.228, Ericsson, Type: CR, Title: SDP in 200 OK for INVITE

Discussion :

Conclusion : Agreed

N1-011877 : 24.229, Nokia, Type: CR, Title: Procedures at P-CSCF: Initial INVITE procedures

Discussion : Dialog transferred to call leg. Many comments were received for improvement of this CR. The open security issue was discussed lengthy ,- how to verify that the INVITE being processed is really from the authenticated user? And the question is if the improvement can be agreed now or await the S3 result on the issue. This will be included as an editors note. Ericsson indicated that they have already contributed on the issue in SA3, so no LS was sent.

Conclusion : Revised to 2003

N1-012003 : 24.229, Nokia, Type: CR, Title: Procedures at P-CSCF: Initial INVITE procedures

Discussion : The policy statement on top page 2 is wrongly placed.

Conclusion : Revised to 2057

N1-012057 : 24.229, Nokia, Type: CR, Title: Procedures at P-CSCF: Initial INVITE procedures

Discussion :

Conclusion : Agreed

N1-011879 : 24.228, Nokia, Type: CR, Title: The content of To: and From: header fields

Discussion : This contribution proposes to use the initiator's IMPU in the From: and the invited user's IMPU in the To: header fields when the privacy for the session has the value off or not specified in the INVITE request. The principal for this change has been accepted in N1-011158 (Helsinki meeting) and this contribution provides the actual script in order to implement the change.

Impact to the call flows was discussed regarding privacy. User can provide privacy information, but it can also be applied from the subscribers profile. S1 says that the network must be able to apply privacy. What to be shown where ? Shall the UE encrypt always when privacy is applied ? No it shall not be forced, but it may. It was thought that the network needs a B2BUA in the AS to handle the privacy issues. The current working assumption is maintained until the whole picture can be achieved.

Conclusion : Rejected

N1-011889 : 24.228, Nokia, Type: CR, Title: CR to 24.228 on what the UE should do on alerting

Discussion :

Conclusion : Revised to 2019

N1-012019 : 24.228, Nokia, Type: CR, Title: CR to 24.228 on what the UE should do on alerting

Discussion :

Conclusion : Withdrawn

N1-011906 : 24.229, Lucent T., Type: CR, Title: CR to 24.229: Coordinating SIP dialogs between S-CSCF and AS

Discussion : There is an issue of associating dialogs (call legs) at the S-CSCF when the AS is a Back to Back User Agent (B2BUA) performing third party call control (3pcc).

In-Reply-To header option should be avoided since the semantics from IETF needs modification. Instead a new header should be tried.

Conclusion :Rejected

N1-011915 : 24.229,   Siemens,   Type: CR, Title: CR to 24.229: Definition of short term and persistent dialog

Discussion : During the last meeting it became obvious that dialogs that consist only of a request/response pair need different treatment at least in the P-CSCF then those which establish a longer lasting communication relation between the involved elements. This contribution therfore proposes to add to more definitions "short term dialog" and "persistent dialog" for these puprposes. The so defined terms are brought into the already existing sections in 24.229.

The terms needs to be changed.

Conclusion : Revised to 2021

N1-012021 : 24.229,   Siemens,   Type: CR, Title: CR to 24.229: Definition of short term and persistent dialog

Discussion :

Conclusion : Agreed

N1-011929 : 24.229,   Lucent T.,   Type: CR, Title: CR to 24.229: Some proposals for procedures at the BGCF - call initiation

Discussion : This contribution identifies a number of miscellaneous requirements for inclusion in TS 24.229 relating to the usage of SIP within the BGCF. These proposals relate to clause 11.6. The following changes have been made: Insertion of session initiation text (this text is not complete and the editor's notes have been retained).

Delay this to next meeting or later this meeting to await answer on an LS from S2 was requested,- which entity does the hiding.

Conclusion : Revised to 2022

N1-012022 : 24.229,   Lucent T.,   Type: CR, Title: CR to 24.229: Some proposals for procedures at the BGCF - call initiation

Discussion : May and 'need not' is the same.

Conclusion : Agreed

N1-011935 : 24.228,   Lucent T.,   Type: CR, Title: CR to 24:228: Stateful I-CSCF in the Path

Discussion : It was agreed in CN1#20bis that the I-CSCF needs to be stateful in registration procedure. This contribution is proposing that the I-CSCF which is in the Path when hiding is required, also needs to be stateful in session initiation procedure.

Conclusion : Agreed

8.9   IMS Call clearing

N1-011796 : 24.228,   Lucent T.,   Type: CR, Title: CR to 24.228: Scripts for session clearing

Discussion : Late document. Comment that the contents of the document is more related with call initiation than call flows. So it should be moved from agenda item 8.9 to 8.8.

Conclusion : Not treated due to time

N1-011878 : 24.229,   Nokia,   Type: CR, Title: Procedures at P-CSCF: Call release initiated by any other entity

Discussion : When the P-CSCF receives a BYE request matching an existing call leg, it shall delete all the stored information related to the call leg.

What about session and charging related aspects ?

Conclusion : Revised to 2031

N1-012031 : 24.229, Nokia, Type: CR, Title: Procedures at P-CSCF: Call release initiated by any other entity

Discussion :

Conclusion : Agreed

N1-011911 : 24.228, Lucent T., Type: CR, Title: CR to 24.229: Procedures at the P-CSCF - Call release

Discussion : At the P-CSCF there needs to be text for the inclusion of the Route header, based on that that is used for subsequent requests elsewhere. This contribution provides that text.

Is it enough with a pointer ? How to avoid redundancy without loosing this text? Should the information be deleted on 200 OK and not on BYE to avoid problems at error cases.

Conclusion : Rejected

8.10   IMS Abnormal cases and error handling

N1-011863 : 24.228, Ericsson, Type: CR, Title: Terminating call to unregistered subscriber

Discussion : This contribution adds a section to 24.228 v1.7.0to address the call case where a unregistered subscriber receives a terminating call. It addresses the scenario where the subscriber has services related to the unregistered state and the scenario where the subscriber does not have services related to the unregistered state.

One case is when the subscriber is not existing and the other when the service is not provided. Other clarifications were made and corrections seems benefitial.

Conclusion : Revised to 2032

N1-012032 : 24.228, Ericsson, Type: CR, Title: Terminating call to unregistered subscriber

Discussion :

Conclusion : Agreed

8.11   IMS Emergency call

None provided.

8.12   Other IMS issues

N1-011803 : H3g, Type: DISCUSSION, Title: DTMF Support in IMS

Discussion : Late document.

Conclusion : Not treated due to time

N1-011834 : 24.228, Lucent T., Type: CR, Title: CR to 24.228: A review of the editor's notes in clauses 7.5 and 17.5

Discussion :

Conclusion : Agreed

N1-011835 : 24.228, Lucent T., Type: CR, Title: CR to 24.228: A review of the editor's notes in clauses 10 and 20

Discussion :

Conclusion : Revised to 2017

N1-012017 : 24.228, Lucent T., Type: CR, Title: CR to 24.228: A review of the editor's notes in clauses 10 and 20

Discussion :

Conclusion : Agreed

<u>N1-011836</u> : 24.229, Lucent T., Type: CR, Title: CR to 24.229: Application of profile tables to SDP

Discussion :

Conclusion : Agreed

<u>N1-011840</u> : 24.229, Lucent T., Type: CR, Title: CR to 24.229: Transport mechanisms for SIP

Discussion : Mandating UDP is one thing but avoiding other mechanisms, that SIP in IETF can use, is not acceptable. Changes from 04 to 05 draft says that UDP must be supported as minimum.

Conclusion : Revised to 2037

<u>N1-012037</u> : 24.229, Lucent T., Type: CR, Title: CR to 24.229: Transport mechanisms for SIP

Discussion :

Conclusion : Rejected

<u>N1-011856</u> : AT&T Wireless, Type: DISCUSSION, Title: Some Issues on the Call Flows in 24.228

Discussion :

Conclusion : Noted

<u>N1-011932</u> : 24.229, Lucent T., Type: CR, Title: CR to 24.229: An analysis of the requirements for the Require Header

Discussion :

Conclusion : Not available

<u>N1-011933</u> : 24.229, Lucent T., Type: CR, Title: CR to 24.229: Inclusion of the Events draft in profile tables

Discussion :

Conclusion : Not available

<u>N1-011937</u> : Vodafone, Type: DISCUSSION, Title: Addition of Cell ID to SIP messages

Discussion :

Conclusion : Not available

8.13 IMS Editorials and other minor issues

<u>N1-011793</u> : 24.229, Lucent T., Type: CR, Title: CR to 24.229: Editorial and minor technical changes - clauses 1 to 5

Discussion :

Conclusion : Revised to 2015

<u>N1-012015</u> : 24.229, Lucent T., Type: CR, Title: CR to 24.229: Editorial and minor technical changes - clauses 1 to 5

Discussion :

Conclusion : Agreed

<u>N1-011794</u> : 24.229, Lucent T., Type: CR, Title: CR to 24.229: Editorial and minor technical changes - clauses 7 to 10

Discussion : Late document.

Conclusion : Not treated due to time

N1-011857 : 24.228,   Ericsson.,   Type: CR, Title: Attribute a:qos - success sendonly changed to success sendrecv

Discussion : During review of the 24.228, it has been discovered that the a:qos attribute is not correct. In 24.228 it is in some places used 'sendonly'. This term is not according to <draft-ietf-sip-manyfolks-resource-02>, where the attribute should be send, recv or sendrecv. In addition, the flows in 24.228 do not assume any QoS reservation mechanism, leaving the properties of the PDP context as the only means to specify QoS to the access network. As the PDP contexts are bi-directional, the example flows of 24.228 must also be assumed bi-directional, leading to replacement of 'sendonly' with sendrecv' in the SDP for the COMET message.

Is it different meaning of 'sendrecv' when a 3GPP UE talks with a non-3GPP UE ? More time is requested for study.

Conclusion : Rejected

N1-011858 : 24.228,   Ericsson.,   Type: CR, Title: Mandating of branch in the Via header

Discussion :

Conclusion : Withdrawn

N1-011859 : 24.228,   Ericsson.,   Type: CR, Title: Alignment of description of the content in the 'contact' field

Discussion :

Conclusion : Agreed

N1-011864 : 24.228,   Ericsson.,   Type: CR, Title: Removal of the term TSGW

Discussion :

Conclusion : Agreed

N1-011899 : 24.229,   Siemens, Nokia, Ericsson, Nortel,   Type: CR, Title: CR to 24.229: Re-organization of 24.229

Discussion : 24.229 serves as the main normative protocol specification document for the IMS. However, it is also clear that the Internet Draft [currently draft-ietf-sip-rfc2543bis5] will be the main specification, and the TS 24.229 will serve as a specification defining how the Internet Draft should be used. The main task of 24.229 will be to guide the readers to the important requirements that are particular for 3GPP. Reproduction of information from the Internet Draft is unnecessary and should be minimised, in order to avoid erroneous interpretation of 24.229 compared to the Internet Draft. Additionally copying the contents of the RFCs in RFC status column increases maintenance work whenever RFCs change.

Do we need the PICS proforma tables at all ? Yes, but they must be understandableand agreeable and consists of complementary information to the textual part, and has normative information in it. What would be mandatory and where to place them ? How to make a profile of 3GPP is an issue for this discussion. Proposal to split PICS in 2 parts. The different entities as eg MGCF needs their roles defined, not only UE and Proxy. The tables could be moved down after the procedural part provided the clause 4 is updated accordingly.

Tables currently in 6 and 7 was agreed not to be moved.

The tables from the current clauses 6, 7, 8 and 9 were agreed to be moved to a normative annexes A.1, A.2, A.3 and A.4 of 24.229

Text to explain the status of the RFC and 3GPP profile requirements will need to be added by CR which will be raised by the rapporteur. The intention is to clarify that the 3GPP profile requirement is normative. The RFC status intends to be correct too but that is only CN1's best understanding of the RFC requirements and therefore it can not change any requirements of the RFC.

Conclusion : Agreed

N1-011900 : 24.229,   Siemens, Nokia, Ericsson, Nortel,   Type: CR, Title: CR to 24.229: Deletion of reproduced text in 24.229

Discussion : It is proposed to delete all definition text in section 3.1 which is a re-production of already existing Internet Drafts. These defintions shall be collected under a new headline "external defintions" and only include the references. This is the usual way of external definitions are introduced into a specification.

This change is needed ,- but in the future ? Do the change to the definitions clause was agreed. The change is according to the editor's note in clause 3.1, because this achieves the same purpose as intended by the CR which has been written on old reference version.

Conclusion : Rejected

N1-011902 : 24.228,   Siemens,   Type: CR, Title: CR to 24.288: Script input: User-IDs in Request URI

Discussion :

Conclusion : Not available

N1-011903 : 24.228,   Siemens,   Type: CR, Title: CR to 24.228: Scrip input: update of 24.228 flows

Discussion :

Conclusion : Not available:

N1-012040 : 24.228,   Motorola,   Type: INFO, Title: Status of 24.228 clean-up reviews

Discussion : Invitation to join conference calls to proceed IMS issues before the next CN1 meeting.

Conclusion : Noted

8.14   TEI5

N1-011786 : Siemens,   Type: DISCUSSION, Title: Extension of numbering schemes for mobile terminated calls

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

Could the original BC be fetched instead of the backup ? No. Should the procedural part be more complete, and where to describe it? In 27.001? The general proposal was not objected. During the review of the CR (N1-011789) it was noted that there are still some essential corrections that are needed to make the concept work. The originator was requested to raise a new contribution in the next CN1 meeting.

Conclusion : Noted

N1-011787 : 27.001v400 CR# 068r1,   Siemens,   Type: INFO, Title: Mobile terminated call with single numbering scheme

Discussion :

Conclusion : Noted

N1-011788 : 29.007v420 CR# 041r1,   Siemens,   Type: INFO, Title: Mobile terminated call with single numbering scheme

Discussion :

Conclusion : Noted

N1-011789 : 24.008v510 CR# 509,   Siemens,   Type: CR, Title: Mobile terminated call with single numbering scheme

Discussion :

Conclusion : Rejected

N1-011801 : 24.008v510 CR# 508,   H3g,   Type: INFO, Title: Service Request - Multiple RAB's

Discussion : Related with LSs in N1-011815-816. Revised to 1962 before presentation.

Conclusion : Withdrawn

N1-011962 : 24.008v510   CR# 508r1,   H3g,   Type: INFO, Title: Service Request - Multiple RAB's

Discussion : Related with LSs in N1-011815 (RAN2)-816 (RAN3). Is there any SA2 reply to N1-011321? Revised from 1801 before presentation.

Conclusion : Not available

N1-011916 : NTT DoCoMo, Fujitsu, NTT Software,   Type: DISCUSSION , Title: Consideration of Service Request procedure

Discussion : If correction is needed then the timer value change was preferred.

Conclusion : Noted

N1-011918 : 24.008v510   CR# 520,   NTT DoCoMo, Fujitsu, NTT Software,   Type: CR, Title: P-TMSI allocation in Attach procedure

Discussion : Late document.

Conclusion : Not treated due to time

N1-011998 : Fujitsu,   Type: DISCUSSION, Title: Reaction after T3230 Expiration

Discussion : Late document.

Conclusion : Not treated due to time

8.15   Other Rel-5 issues

N1-011812 : 23.009v420   CR#052r1,   Ericsson, Type: CR,   Title: Introduction of Intra Domain Connection of RAN

Discussion : TSG-SA #13 approved the 3GPP TS 23.236 v5.0.0 "Intra Domain Connection of RAN Nodes to Multiple CN Nodes" for REL-5. According to 23.236 target RAN node can be connected to more than one CN node. This needs to be reflected in 23.009.

Clarification to the new paragraph was asked in relation to the paragraph above. The MSC-B was thought to be impacted.

Conclusion : Revised to 1991

N1-011991 : 23.009v420   CR#052r2,   Ericsson, Type: CR,   Title: Introduction of Intra Domain Connection of RAN

Discussion : 23.221 needs to be added to the references and there is an editorial change in square brackets in reference.

Conclusion : Revised to 2042

N1-012042 : 23.009v420   CR#052r3,   Ericsson, Type: CR,   Title: Introduction of Intra Domain Connection of RAN

Discussion :

Conclusion : Agreed

N1-011813 : 29.018v410   CR#024,   Ericsson,   Type: CR, Title: Introduction of Intra Domain Connection of RAN

Discussion : Some editorials and clarifications are to be checked.

Conclusion : Revised to 1992

N1-011992 : 29.018v410   CR#024r1,   Ericsson,   Type: CR, Title: Introduction of Intra Domain Connection of RAN

Discussion :

Conclusion : Agreed

N1-011844 : 24.008v510   CR#489r1,   Siemens ,   Type: CR, Title: LCS capability for GPRS

Discussion : In Rel-5 it will be possible to use the LCS service also via the PS domain in Gb mode. As transport layer for the RRLP protocol the LCC TOM protocol was chosen (LLC SAPI TOM8). Because the TOM8 LLC SAPI is a "fix wired" SAPI without a corresponding PDP context, the corresponding radio priority as well as a code point for the PFI (Packet Flow Identifier) need to be introduced. Similar to SMS the radio priority for TOM8 must be assigned in the Attach Accept message. Furthermore, the MS positioning capabilities need to be added to the GPRS Attach and RAU Request message.

Backward compatibility for the reserved value and the use of spare bit was raised for clarification. Since this LCS capability is used only for GERAN the new IE would better be put in the radio part. This can not be done due to length limitation, and that SGSN is transparant to that. Deletion of the structure in MS CM3 should be mentioned in the summary part.

Conclusion : Revised to 1993

N1-011993 : 24.008v510 CR#489r2, Siemens , Type: CR, Title: LCS capability for GPRS

Discussion : Should have been indicated in the front page that 2 more TSs are impacted (23.060 and 48.018). Stage 2 description should have been in place, eg stating reuse of 'best effort', and CRs on the 2 TSs are needed. Need to confirm if new PFI for TOM8 is needed (SA2?). This CR is agreed in principal.

Conclusion : Agreed

N1-011845 : 44.064v410 CR#002r2, Ericsson/Siemens, Type: CR, Title: Introduction of a new TOM protocol discriminator for RRLP

Discussion : It is proposed to define a new TOM protocol discriminator for RRLP, to increases the maximum size of the message capsule to 242 octets, and to define the TOM header to be used when the RRLP protocol is transported in TOM.

Includes something in the specification without mentioning LCS.

Conclusion : Revised to 2038

N1-012038 : 44.064v410 CR#002r3, Ericsson/Siemens, Type: CR, Title: Introduction of a new TOM protocol discriminator for RRLP

Discussion : Annex B note is normative or what ? It is informative.

Conclusion : Agreed

N1-011868 : 24.008v510 CR#514, Motorola, Type: CR, Title: P-CSCF address in Protocol Configuration Options

Discussion : The Protocol Configuration Options IE needs to be revised for being able to convey (i) requests for P-CSCF address(es) (from the UE to GGSN) and (ii) one or more P-CSCF addresses (from the GGSN to the UE). The stage-2 requirements are specified in 3GPP TS 23.228, clause 5.1.1.2.

It was thought that PCO can not be used for all scenarios and a new IE might be needed. Backward compatibility issues were a problem with a new IE.

Conclusion : Withdrawn

N1-011869 : 24.008v510 CR#515, Motorola, Type: CR, Title: IMS parameters in Protocol Configuration Options

Discussion : The Protocol Configuration Options IE needs to be revised for being able to convey IMS-related information between the MS and the GGSN, transparently to Rel-5 and pre-Rel-5 SGSNs.

The binding information in this superset of 1868 was thought better to wait. Compatibility issues were adressed. Corrections to ACCEPT in 9.5.2 was questioned as no response was needed.

Conclusion : Withdrawn

N1-011870 : Motorola, Type: DISCUSSION, Title: On the usage of Protocol Configuration Options IE for carrying IMS parameters

Discussion :

Conclusion : Not available

N1-011887 : 24.008v510 CR#516, Nokia, Type: CR, Title: Use of Supported Codec List (SCL) IE for all codec types

Discussion : New working assumption in the joint meeting with GERAN. See agenda item 12.

Conclusion : Revised to 1994

N1-011994 : 24.008v510 CR#516r1, Nokia, Type: CR, Title: Use of Supported Codec List (SCL) IE for all codec types

Discussion : The principles agreed in the joint meeting with GERAN in agenda item 12 described in the *Reason for change* is applied to several chapters along the specification (Call establishment for Call Control procedures, Message definitions for Call Control and SCL IE coding).

A discussion on a sentence took place wether it reflected the reason for change principles. Additional comments were agreed to be corrected.

Conclusion : Revised to 2018

N1-012018 : 24.008v510 CR#516r2, Nokia, Type: CR, Title: Use of Supported Codec List (SCL) IE for all codec types

Discussion :

Conclusion : Agreed

N1-011888 : 23.009v420 CR#061, Nokia, Type: CR, Title: Reflection of RRC changes in 44.018 to 23.009

Discussion : Revised before presentation.

Conclusion : Revised to 1997

N1-011997 : 23.009v420 CR#061r1, Nokia, Type: CR, Title: Reflection of RRC changes in 44.018 to 23.009

Discussion : Terminolgy comments. The 3 last sentences is procedural parts, or can they be moved to scope?

Conclusion : Revised to 2039

N1-012039 : 23.009v420 CR#061r2, Nokia, Type: CR, Title: Reflection of RRC changes in 44.018 to 23.009

Discussion : Iu mode definition also goes for UTRAN. The terminology originates from earlier GERAN LS IN in 1435. Stage 2 definitions are missing, and left for future CR.

Conclusion : Revised to 2043

N1-012043 : 23.009v420 CR#061r3, Nokia, Type: CR, Title: Reflection of RRC changes in 44.018 to 23.009

Discussion : Revised by CN4 on references.

Conclusion : Revised to 2055

N1-012055 : 23.009v420 CR#061r4, Nokia, Type: CR, Title: Reflection of RRC changes in 44.018 to 23.009

Discussion : The revision was done in CN4 on references.

Conclusion : Agreed and endorsed by CN4

N1-011940 : IUFLEX, Vodafone, Type: WID, Title: Work Item Description: Intra Domain Connection of RAN Nodes to Multiple CN Nodes

Discussion : ID 2248 and 2249 is the corresponding BB. 3GPP TS 23.012 belonging to CN4 is beeing impacted, and this WID is for CN. Why is the UE impacted ? Use of TMSI is one issue.

Conclusion : Revised to 1990

N1-011990 : IUFLEX, Vodafone, Type: WID, Title: Work Item Description: Intra Domain Connection of RAN Nodes to Multiple CN Nodes

Discussion :

Conclusion : Agreed

<u>N1-011948</u> : 24.008v510 CR#530, Ericsson, Type: CR, Title: Service change and fallback from UDI multimedia to speech

Discussion : Tdoc file name is incorrect. 5.3.4 already defines the dual services.

Conclusion : Revised to 1966

<u>N1-011966</u> : 24.008v510 CR#530r1, Ericsson, Type: CR, Title: Service change and fallback from UDI multimedia to speech

Discussion : Allow fallback from UDI/RDI 3G.324M multimedia to speech, and allow service change from UDI/RDI 3G.324M multimedia to speech and vice-versa during a call.

Generally the concept should have a service description from SA1. Some work is done in CN3 (27.001..) and the concept accepted, but backward compatibility was a concern. WID (SCUDIF) exists for CN. What if a new implementation sends an unknown (new) combination of BCs to an old implementation? Is the call rejected or are the BCs negotiated to something that the old implementation can support? TMR issues were discussed. Comment that the service requirements on the user interaction in case of MT modify procedure should be clarified. User interaction was wanted described in this CR, but is not needed. If 2 BCs is received the response must have 2 BCs also, and the first BC has to be for Multimedia. CN3 CRs were postponed for their next meeting.

Conclusion : Postponed to next CN1 meetin,g with a new contribution on the new TS version by the originator

8.16   IMS: 23.218

<u>N1-011874</u> : 23.218, Ericsson, Type: CR, Title: Removal of section 12 in 23.218

Discussion : Section 12 in 23.218 discusses the IMS session handling with an OSA-SCS server. Currently, most of the sections are empty. The titles of the sections suggest a description of the reference points that are already described in the architecture document. It is expected that most of the input to this section will come from CN5, as the OSA expertise is located in that working group. This contribution proposes to delete section 12 from TS 23.218. A separate contribution to CN5 proposes to host this section in 3GPP TR 29.998 part 4, currently specified by the 3GPP CN5 working group.

The mapping part in CN5 is still under work. Should a condition be made for the deletion ? Yes but linkage need to be defined somewhere.

Conclusion : Agreed if CN5 agrees their part in N5-011139 or a rev.

<u>N1-011875</u> : 23.218, Ericsson, Type: CR, Title: Removal of sections 7 and 8 in 23.218

Discussion : Sections 7 and 8 in 23.218 contain description of varios interfaces and a collection of functional requirements for the HSS and MRF. These sections are inherited from various sections in 23.002 and 23.228. 23.218 should not repeat any information that is already described in other S2 specifications. Further more, the proper place to describe the interfaces and the functional requirements of the HSS and the MRF are the 3GPP TS 23.002 and 23.228, and not 23.218. Therefore, it is proposed to remove sections 7 and 8 from 23.218. If work is needed to complete 23.002 and 23.228, CRs should be drafted against those specifications.

Proposed to leave some scheletons with headings in order to cope with unfinnished discussion/issues. But leaving notes to describe the intention. Still not decided in CN4 on related contribution. This CR could return in next CN1 meeting with the result of related progress.

Conclusion : Rejected

<u>N1-011880</u> : 23.218, Nokia, Type: CR, Title: Moving CAMEL related sections from TS 23.218 to 23.078 (CN2 TS)

Discussion :

Conclusion : Revised to 1999

N1-011999 : 23.218, Nokia, Type: CR, Title: Moving CAMEL related sections from TS 23.218 to 23.078 (CN2 TS)

Discussion : 23.278 needs to be added to the references. N2 has done their part, and pointer to those docs are needed. Related with CN2 tdoc N2-010918 which was approved on Monday. CN2 added the CAMEL related parts to their 23.278 so CN1 can remove these from 23.218. Section 12 was an open issue, so check with CN5.

Conclusion : Revised to2051

N1-012051 : 23.218, Nokia, Type: CR, Title: Moving CAMEL related sections from TS 23.218 to 23.078 (CN2 TS)

Discussion : Include the reference editorials,- reference to [17] in the body of the document. And reference [16] to be corrected.

Conclusion : Agreed

9 LS OUT (output liaison statements)

N1-011963 : Lucent/Keith Drage, Type: LS OUT , Linked to 1942. To: S1 Cc: S2, S3,   Title: Liaison Statement on privacy of IPv6 addresses allocated to terminals using the IM CN subsystem

Discussion :

Conclusion : Revised to 2041

N1-012041 : Lucent/Keith Drage, Type: LS OUT , Linked to 1942. To: S1 Cc: S2, S3,   Title: Liaison Statement on privacy of IPv6 addresses allocated to terminals using the IM CN subsystem

Discussion :

Conclusion : Agreed

N1-012006 : Nokia/Gabor Baiko, Type: LS OUT, To: SA2 Cc: CN3,   Title: LS on Interworking between 3GPP UE (IPv6 only) and SIP device external to IMS (IPv4 only)'

Discussion :

Conclusion : Revised to 2050

N1-012050 : Nokia/Gabor Baiko, Type: LS OUT, To: SA2 Cc: CN3,   Title: LS on Interworking between 3GPP UE (IPv6 only) and SIP device external to IMS (IPv4 only)'

Discussion :

Conclusion : Agreed

N1-012044 : Siemens/Roland Gruber, Type: LS OUT, To: GERAN, GERAN1,   Title: Liaison Statement on Addition of section " Conditions for IOV reset " to 09.95

Discussion :

Conclusion : Agreed

10 Late and misplaced documents

This is used by the chairman as a placeholder and to prioritise which late or wrongly written Tdoc may be dealt with in case time permits, or other factors agreed in CN1.

11   Any Other Business (AOB)

In this meeting a list of Tdocs was generated for delegates to give off-line comments to the document originator. These documents would not have any presentation, but get agreement in the last part of the meeting.

12   CN1 – GERAN2 joint session

N1-011814 : G2-010489,   To: N1   Cc: CN, Type: LS IN , Title: LS on introduction of a new release marker in the MS Classmark 3 and MS Radio Access Capability IEs

Discussion : Might be a doc. for the joint session on non-IMS issues with GERAN on Tuesday evening. GERAN2 replies to CN1 LS on revision levels but do not specify whether they would prefer to see a new main revision level or a RR specific one. Another alternative is to add feature specific indications of support of features.

In this joint meeting it was asked if the new GERAN specific revision is unique for GERAN, which seems to be the case. Seperation of layer issues should be looked for and this means that GERAN revision levels should not be mixed with network capabilities. The intention with revision level is only to understand the protocol issues (language) and not expand the revision level for each successive release covering mandatory features. It was agreed that the revision level as is today can be kept, and that nothing new is needed for Rel-4. The protocol version does not require a release increase. Individual bit codes for Rel-4 features is needed for GERAN, and not bundle it as release indicators. The name Rel-4 was proposed not to be used since it is 'loaded', and Release 6 could well become feature oriented instead. This means that care must be paid to defining mandatory parts. Avoiding 'cherry-picking' or 'partial release' was stated as important. One bit per feature was not prefered, but a field like 'GERAN revision level '. Which again was not desired since package of features should not be tied to a release (as eg. the 2 Rel-4 GERAN features now discussed). If the network needs information from the MS of optional feature this should be indicated seperately.

- Currently there is no need to increase the revision level for Rel-4

- The support of mandatory features can not always be deduced from the revision level. It must be clearly stated in the protocol specifications which features are mandatory for a certain release and which are not.

- When the network needs to know the support of a certain feature or set of features by the mobile then a dedicated indication of the feature or set of features is preferred.

- The support of partial releases ('Cherry Picking') was proposed by some delegates but was not agreed.

- If an optional feature needs an indication of support from the MS to the network then this indication must be independent of any other indications.

Conclusion: Agreed the bullet points above

N1-011954 : 24.008v440 CR# 469,   Alcatel, Type: CR, Title: Introduction of a revision level indicator 2 in the MS Radio Access Capability IE and MS Classmark 3 IE

Discussion :

Conclusion : Withdrawn

N1-011961 : 24.008v510 CR# 470,   Alcatel, Type: CR, Title: Introduction of a revision level indicator 2 in the MS Radio Access Capability IE and MS Classmark 3 IE

Discussion :

Conclusion : Withdrawn

N1-011955 : 44.060v430 CR# 093,   Alcatel, Type: INFO, Title: Clarification regarding mandatory protocol extensions introduced in release 4

Discussion :

Conclusion : Withdrawn

N1-011290 : GP-011833, To: N1, Type: LS IN , Title: LS to CN1 on WB-AMR Signalling

Discussion : Forwarded from CN1#19. GERAN concern that the chosen solution with the indication of the support for the WB-AMR in SCL (Supported Codec List) IE may not work across the A-interface. CN1 looked at the issue but could not find any reason why this would be the case. The condition for including the IE in the MO SETUP is the support of any UMTS codec, not the current serving RAT. The question therefore is probably limited to wether or not WB-AMR is supported and not which interface is used. A LS back is needed. *LS OUT in 1572 by Inma C. in CN1#20*

In this joint meeting the phrase to be discussed: 'TSG GERAN agrees with using Codec List IE, in case of WB-AMR service over Iu-cs, however TSG GERAN would like to express concerns that this solution does not cover the case when WB-AMR service is provided via the A-interface.' The concern was that the information is also needed for BC IE to support GERAN MS supporting A/Gb mode. But what then with handovers ? And this codec might well be the last one to be introduced,- which was doubted. Where to put the WB-AMR indication ? Need to define these GSM codecs codepoint(s) in BC IE and in SCL IE. Also all supported GSM codecs must be copied to SCL if the SCL must be sent to indicate UMTS codecs.

- BC needs to contain WB-AMR codepoints for A/Gb mode use

- Additionally to that the SCL must be able to indicate all WB-AMR codecs. (26.103 defines these.)

- All supported GSM codecs must be copied to SCL also if the SCL must be sent to indicate UMTS codecs.

Conclusion: Agreed the bullet points above as working assumption

N1-011887 : 24.008v510 CR#516, Nokia, Type: CR, Title: Use of Supported Codec List (SCL) IE for all codec types

Discussion : To be reviewed by CN1 in agenda item 8.15 with updates according to 1290 agreements.

Conclusion : Revised to 1994

N1-011959 : 09.95 R97 CR# A003, Siemens, Type: INFO, Title: Support of Early Classmark Sending by an PBCCH capable cell

Discussion : The TS belongs to GERAN1. Supported by CN1. LS to GERAN in 2044.

Conclusion : Noted

N1-011960 : 09.95 R98 CR# A004, Siemens, Type: INFO, Title: Support of Early Classmark Sending by an PBCCH capable cell

Discussion : The TS belongs to GERAN1. Supported by CN1. 04.64 version should be 7.5.0. LS to GERAN in 2044

Conclusion : Noted

N1-011980: 24.008v510   CR#510r1, Siemens, Type: CR , Title: Clarification on the EDGE parameters in the Mobile Station Classmark 3 IE

Discussion : A correction needed for RF power capability ? Otherwise the principals are agreed, and only CN1 review is needed, see agenda item 8.1.

Conclusion : Revised to 1995

13   Closing of the meeting

18:30 Friday 30.11.2001

Review of dates and hosts for future meetings

Per to check if the meeting CN1#22bis can be handled in ETSI/ Sophia Antipolis.

Meeting schedule for CN1 in 2002

3GPP Meeting	Date	Place	Host
N1#20	15-19 October 2001	Brighton, UK	Vodafone, BT
N1#20bis	13-15 November 2001	Seattle, USA	ATTWS
N1#21	26-30 November 2001	Cancun, Mexico	NA 'Friends of 3GPP'
TSGN#14	**12-14 December 2001**	**Kyoto, Japan**	**ARIB/TTC**
N1-SIP-adhoc0102	14-18 January 2002	Phoenix, USA	ATTWS
N1#22	28 January-1 February 2002	Sophia Antipolis, France	ETSI
N1#22bis	19-21 February 2002	Oulo, Finland ?	Nokia ?
TSGN#15	**6-8 March 2002**	**Korea**	**TTA**
N1#23	8-12 April 2002	USA	?
N1#24	13-17 May 2002	Sophia Antipolis, France	ETSI
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	Penang, Malaysia	?
TSGN#18	**4-6 December 2002**	**New Orleans ?, USA**	**NA 'Friends of 3GPP'**

Annex A   Joint meeting report CN1-5 and GERAN2-CN1

Please see section 8.3 for JM CN1-5.

Please see section 12 for JM GERAN2-CN1:

Annex B   List of participants

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Annex C   Agreed CRs

Spec	CR #	Rev	CAT	C_Version	Tdoc Title	WI	Rel	Status	TDoc #
04.64	A154	1	F	6.9.0	IOV reset Conditions	GPRS	R97	AGREED	N1-011969
04.64	A155		A	7.4.0	IOV reset Conditions	GPRS	R98	AGREED	N1-011847
04.64	A156		A	8.6.0	IOV reset Conditions	GPRS	R99	AGREED	N1-011848
23.009	052	3	C	4.2.0	Introduction of Intra Domain Connection of RAN	IUFLEX	Rel-5	AGREED	N1-012042
23.009	056	2	F	3.8.0	Usage of Location Reporting for Relocation and Inter-system Handover	GSM/UMTSInterworking	R99	AGREED	N1-011971
23.009	057	2	A	4.2.0	Usage of Location Reporting for Relocation and Inter-system Handover	GSM/UMTSInterworking	Rel-4	AGREED	N1-011972
23.009	059		F	3.8.0	E-interface protocol during the supervision phase	GS M/ UMTS interworking	R99	AGREED	N1-011806

23.009	060		A	4.2.0	E-interface protocol during the supervision phase	GS M/ UMTS interwor king	Rel-4	AGREED	N1-011807
23.009	061	4	B	4.2.0	Reflection of RRC changes in 44.018 to 23.009	Alignme nt of 3G function al split and Iu.	Rel-5	AGREED	N1-012055
23.009	062	1	F	3.8.0	GSM to UMTS Handover: Iu-LOCATION-REPORTING message reception	GSM/U MTS Interwor king	R99	AGREED	N1-012026
23.009	063	1	A	4.2.0	GSM to UMTS Handover: Iu-LOCATION-REPORTING message reception	GSM/U MTS Interwor king	Rel-4	AGREED	N1-012027
24.007	042	1	F	3.7.0	Clarification of the send sequence number mechanism	GS M/ UMTS interwor king	R99	AGREED	N1-011810
24.007	043	1	A	4.0.0	Clarification of the send sequence number mechanism	GS M/ UMTS interwor king	Rel-4	AGREED	N1-011811
24.008	489	2	B	5.1.0	LCS capability for GPRS	LCS	Rel-5	AGREED	N1-011993
24.008	494	2	F	4.4.0	RR Establishment Causes for LCS procedures	LCS1-PS	Rel-4	AGREED	N1-011973
24.008	495	2	A	5.1.0	RR Establishment Causes for LCS procedures	LCS1-PS	Rel-5	AGREED	N1-011974
24.008	510	2	F	5.1.0	Clarification on the EDGE parameters in the Mobile Station Classmark 3 IE	EDGE	Rel-5	AGREED	N1-011995
24.008	516	2	B	5.1.0	Use of Supported Codec List (SCL) IE for all codec types	AMR-WB	Rel-5	AGREED	N1-012018
24.008	521	2	F	3.9.0	Impact of regional roaming restrictions on the GMM context	GSM/U MTS Interwor king	R99	AGREED	N1-012046
24.008	522	2	F	3.9.0	Conditions for the deletion of the equal PLMN list	GSM/U MTS Interwor king	R99	AGREED	N1-012052
24.008	524	2	A	4.4.0	Impact of regional roaming restrictions on the GMM context	GSM/U MTS Interwor king	Rel-4	AGREED	N1-012047
24.008	525	2	A	4.4.0	Conditions for the deletion of the equal PLMN list	GSM/U MTS Interwor king	Rel-4	AGREED	N1-012053
24.008	527	2	A	5.1.0	Impact of regional roaming restrictions on the GMM context	GSM/U MTS Interwor king	Rel-5	AGREED	N1-012048
24.008	528	2	A	5.1.0	Conditions for the deletion of the equal PLMN list	GSM/U MTS Interwor king	Rel-5	AGREED	N1-012054

24.008	531		F	4.4.0	CR to 24.008. Corrections to references.	TEI4	Rel-4	AGREED	N1-011996
29.018	022		F	3.7.0	Correction of the Location Update for non-GPRS service procedure	TEI	R99	AGREED	N1-011808
29.018	023		A	4.1.0	Correction of the Location Update for non-GPRS service procedure	TEI	Rel-4	AGREED	N1-011809
29.018	024	1	C	4.1.0	Introduction of Intra Domain Connection of RAN	IUFLEX	Rel-5	AGREED	N1-011992
29.018	025	1	F	4.1.0	Intra-Domain Connection of RAN Nodes to Multiple CN Nodes	IUFLEX	Rel-5	AGREED	N1-011981
44.064	002	3	B	4.1.0	Introduction of a new TOM protocol discriminator for RRLP	LCS	Rel-5	AGREED	N1-012038
44.064	004		A	4.1.0	IOV reset Conditions	GPRS	Rel-4	AGREED	N1-011849

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	N1-011633	Liaison Statement on PDP Context handling at Inter SGSN RA Update	N4								LS IN	N4-011195, To: S2 Cc: N1,S1 Forwarded from CN1#20bis.	NOTED
2	N1-011781	Cancun0111	CN1 Chairman								AGENDA		AGREED
4	N1-011782	CN1 IMS open item list	CN1 Chairman								DISC		REVISED TO 2004
2	N1-011783	Draft Report of TSG SA meeting #13, version 0.0.5	MCC								INFO		NOTED
7	N1-011784	RR Establishment Causes for LCS procedures	Ericsson	24.008	LCS1-PS	4.4.0	Rel-4	F	494	1	CR		REVISED TO 1973
7	N1-011785	RR Establishment Causes for LCS procedures	Ericsson	24.008	LCS1-PS	5.1.0	Rel-5	A	495	1	CR		REVISED TO 1974
8.14	N1-011786	Extension of numbering schemes for mobile terminated calls	Siemens								DISC		NOTED
8.1	N1-011787	Mobile terminated call with single numbering	Siemens	27.001	TEI5	4.0.0	Rel-5	B	068	1	INFO		NOTED

AI	Tdoc	Title	Source	Spec	WI	Version	Rel	Cat	CR	Rev	Type	Comment	Status
4		scheme											
8.1.4	N1-011788	Mobile terminated call with single numbering scheme	Siemens	29.007	TEI5	4.2.0	Rel-5	B	041	1	INFO		NOTED
8.1.4	N1-011789	Mobile terminated call with single numbering scheme	Siemens	24.008	TEI5	5.1.0	Rel-5	B	509		CR		REJECTED
8.0.4	N1-011790	CR to 24.229: Editorial and minor technical changes - registration clauses	Lucent Technologies / Keith Drage	24.229	IMS-CCR	0.8.0	Rel-5				CR		REVISED TO 2012
8.0.5	N1-011791	CR to 24.229: Editorial and minor technical changes - deregistration clauses	Lucent Technologies / Keith Drage	24.229	IMS-CCR	0.8.0	Rel-5				CR		REVISED TO 2013
8.0.8	N1-011792	CR to 24.229: Editorial and minor technical changes - call initiation clauses	Lucent Technologies / Keith Drage	24.229	IMS-CCR	0.8.0	Rel-5				CR		REVISED TO 2014
8.1.3	N1-011793	CR to 24.229: Editorial and minor technical changes - clauses 1 to 5	Lucent Technologies / Keith Drage	24.229	IMS-CCR	0.8.0	Rel-5				CR		REVISED TO 2015
8.1.3	N1-011794	CR to 24.229: Editorial and minor technical changes - clauses 7 to 10	Lucent Technologies / Keith Drage	24.229	IMS-CCR	0.8.0	Rel-5				CR	Late document.	Not treated due to time
8.0.8	N1-011795	CR to 24:228: Flow correction for 7.2.2.2, 7.2.2.3, 17.2.2.2 and 17.2.2.3	Lucent Technologies/Xin Chen	24.228	IMS-CCR	1.7.0	Rel-5				CR		WITHDRAWN
8.0.8	N1-011796	CR to 24.228: Scripts for session clearing	Lucent Technologies/Xin Chen	24.228	IMS-CCR	1.7.0	Rel-5				CR	Late document.	Not treated due to time
8.0.6	N1-011797	CR to 24.228: Notation for Tokenisation	Lucent Technologies/Xin Chen	24.228	IMS-CCR	1.7.0	Rel-5				CR	Not available, withdrawn before the meeting.	WITHDRAWN
8.0.3	N1-011798	CR to 24.228: Function split between P-CSCF and PCF	Lucent Technologies/Xin Chen	24.228	IMS-CCR	1.7.0	Rel-5				CR	Revised before the meeting to 1956	WITHDRAWN
8.0.3	N1-011799	CR to 24.228: Cx Session Initiation	Lucent Technologies/Xin Chen	24.228	IMS-CCR	1.7.0	Rel-5				CR	Revised to 1975 before presentation	WITHDRAWN
8.0.3	N1-011800	CR to 24.228: Cx Registration	Lucent Technologies/Xin Chen	24.228	IMS-CCR	1.7.0	Rel-5				CR	Late document.	Not treated due to time
8.1.4	N1-011801	Service Request - Multiple RAB's	H3g	24.008	TEI5	5.1.0	Rel-5	F	508		CR	Revised to 1962 before presentation.	WITHDRAWN
8.0	N1-011802	UE Actions on Network Initiated Re-	H3g	24.229	IMS-CCR	0.7.0	Rel-5	F			CR		REVISED TO

7		Authentication												2024
8.12	N1-011803	DTMF Support in IMS	H3g		IMS-CCR						DISC	Late document.	Not treated due to time
4	N1-011804	Specifications for Information	H3g								WORK PLAN	Not available, adviced before the meeting.	WITHDRAWN
8.07	N1-011805	Authentication of INVITE and other methods	H3g		IMS-CCR						DISC		NOTED
6	N1-011806	E-interface protocol during the supervision phase	Siemens	23.009	GS M/ UMTS interworking	3.8.0	R99	F	059		CR	Endorsed by CN4	AGREED
6	N1-011807	E-interface protocol during the supervision phase	Siemens	23.009	GS M/ UMTS interworking	4.2.0	Rel-4	A	060		CR	Endorsed by CN4	AGREED
6	N1-011808	Correction of the Location Update for non-GPRS service procedure	Siemens	29.018	TEI	3.7.0	R99	F	022		CR		AGREED
6	N1-011809	Correction of the Location Update for non-GPRS service procedure	Siemens	29.018	TEI	4.1.0	Rel-4	A	023		CR	WI in this mirror CR shall be equal to the 1808 CR (=TEI)	AGREED
6	N1-011810	Clarification of the send sequence number mechanism	Siemens	24.007	GS M/ UMTS interworking	3.7.0	R99	F	042	1	CR	CR#042 was agreed in N1-011453 in CN1#20. This now superseeds N1-011453.	AGREED
6	N1-011811	Clarification of the send sequence number mechanism	Siemens	24.007	GS M/ UMTS interworking	4.0.0	Rel-4	A	043	1	CR	CR#043 was agreed in N1-011454 in CN1#20. This now and superseeds N1-011454.	AGREED
8.15	N1-011812	Introduction of Intra Domain Connection of RAN	Ericsson/ Zdravko	23.009	IUFLEX	4.2.0	Rel-5	C	052	1	CR		REVISED TO 1991
8.15	N1-011813	Introduction of Intra Domain Connection of RAN	Ericsson/ Zdravko	29.018	IUFLEX	4.1.0	Rel-5	C	024		CR		REVISED TO 1992
12	N1-011814	LS on introduction of a new release marker in the MS Classmark 3 and MS Radio Access Capability IEs	GERAN2								LS IN	G2-010489, To: N1 Cc: CN, Forwarded from agenda item 3.	NOTED
3	N1-011815	Response to LS (N1-011321) on Multiple RAB Activation Issue	R2								LS IN	R2-012401, To: N1 Cc: S2, R3	NOTED
3	N1-011816	Liaison on Multiple RAB Activation Issue	R3								LS IN	R3-013036, To: N1 Cc: S2, R2	NOTED
3	N1-011817	Answer LS on "Stop reporting type"	R3								LS IN	R3-013050, To: S2 Cc: N4, R2, S1,	NOTED

												N1	
3	N1-011818	Reply to LS "Update of Iu-Flex status"	R3								LS IN	R3-013067, To: S2 Cc: R2, GERAN2, N1, N4	NOTED
3	N1-011819	LS "Stop reporting type"	S2								LS IN	S2-013062, To: R3, N4 Cc: R2, S1, N1	NOTED
3	N1-011820	Reply LS on the rejection of 2G AKA by 3G ME with USIM in UTRAN	S3								LS IN	S3-010523, To: N1 Cc: S1, T2, T3, GSMA-SG	NOTED
8.02	N1-011821	Current draft 24.229: "IP Multimedia Call Control Protocol based on SIP and SDP"	Lucent Technologies / Keith Drage	24.229	IMS-CCR	0.8.0	Rel-5			TS		NOTED
8.02	N1-011822	Summary of current IETF documents on SIP	Lucent Technologies / Keith Drage		IMS-CCR		Rel-5			INFO		NOTED
8.02	N1-011823	Summary of current IETF documents on SIPPING	Lucent Technologies / Keith Drage		IMS-CCR		Rel-5			INFO		NOTED
8.02	N1-011824	Summary of current IETF documents on SIMPLE	Lucent Technologies / Keith Drage		IMS-CCR		Rel-5			INFO		NOTED
8.02	N1-011825	Summary of current IETF documents on MMUSIC	Lucent Technologies / Keith Drage		IMS-CCR		Rel-5			INFO		NOTED
4	N1-011826	SIP call control protocol for the IM CN subsystem	Lucent Technologies / Keith Drage		IMS-CCR		Rel-5			WID		REVISED TO 1967
4	N1-011827	SIP call control protocol for the IM CN subsystem - explanation of proposed changes	Lucent Technologies / Keith Drage		IMS-CCR		Rel-5			DISC		NOTED
8.08	N1-011828	CR to 24.229: Addition of the MRFC to scope and contents	Lucent Technologies / Keith Drage	24.229	IMS-CCR	0.8.0	Rel-5			CR		AGREED
8.08	N1-011829	CR to 24.229: Refinements to scope and contents relating to BGCF	Lucent Technologies / Keith Drage	24.229	IMS-CCR	0.8.0	Rel-5			CR		AGREED
4	N1-011830	Advancement of 3GPP TS 24.228 to Version 2.0.0	Lucent Technologies /	24.228	IMS-CCR		Rel-5			TS	Agreed that 80% is achieved. No	AGREED

			Keith Drage								change control now so v180 is presented to TSG CN#14.	
4	N1-011831	Advancement of 3GPP TS 24.229 to Version 1.0.0	Lucent Technologies / Keith Drage	24.229	IMS-CCR		Rel-5			TS		AGREED
4	N1-011832	Advancement of 3GPP TS 23.218 to Version 1.0.0	Lucent Technologies / Keith Drage	23.218	IMS-CCR		Rel-5			TS		AGREED
8.08	N1-011833	CR to 24.228: A review of the editor's notes in clauses 7.4 and 17.4	Lucent Technologies / Keith Drage	24.228	IMS-CCR	1.7.0	Rel-5			CR		REVISED TO 2016
8.12	N1-011834	CR to 24.228: A review of the editor's notes in clauses 7.5 and 17.5	Lucent Technologies / Keith Drage	24.228	IMS-CCR	1.7.0	Rel-5			CR		AGREED
8.12	N1-011835	CR to 24.228: A review of the editor's notes in clauses 10 and 20	Lucent Technologies / Keith Drage	24.228	IMS-CCR	1.7.0	Rel-5			CR		REVISED TO 2017
8.12	N1-011836	CR to 24.229: Application of profile tables to SDP	Lucent Technologies / Keith Drage	24.229	IMS-CCR	0.8.0	Rel-5			CR		AGREED
8.08	N1-011837	Complex UEs and Record-Route	Lucent Technologies / Keith Drage	24.229	IMS-CCR	0.8.0	Rel-5			DISC		NOTED
8.08	N1-011838	Handling of the initial INVITE request	Lucent Technologies / Milo Orsic		IMS-CCR					DISC	Late document.	Not treated due to time
8.08	N1-011839	Discussion document on SDP usage	Lucent Technologies / Keith Drage		IMS-CCR					DISC	Revised to N1-011934 before the meeting.	WITHDRAWN
8.12	N1-011840	CR to 24.229: Transport mechanisms for SIP	Lucent Technologies / Keith Drage	24.229	IMS-CCR	0.8.0	Rel-5			CR		REVISED TO 2037
3	N1-011841	Reply to Liaison Statement on "The Integration of RSVP and SIP"	S2							LS IN	S2-012921, To: N1 Cc:	NOTED
3	N1-011842	LS "PDP Context handling at Inter SGSN RA Update"	S2							LS IN	S2-012925, To: N4 Copied to N1 due to linkage	NOTED

Agenda	Tdoc	Title	Source	Spec	WI	Version	Release	Cat	CR	Rev	Type	Notes	Status
												with N1-011633	
8.03	N1-011843	LS on Optimization of the Registration Information Flows	S2								LS IN	S2-013078, To: N4 Cc: Proposed by Lucent for the JointCN	NOTED
8.15	N1-011844	LCS capability for GPRS	Siemens AG, Roland	24.008	LCS	5.1.0	Rel-5	B	489	1	CR		REVISED TO 1993
8.15	N1-011845	Introduction of a new TOM protocol discriminator for RRLP	Ericsson/ Siemens	44.064	LCS	4.1.0	Rel-5	B	002	2	CR		REVISED TO 2038
5	N1-011846	IOV reset Conditions	Siemens AG, Roland Gruber	04.64	GPRS	6.9.0	R97	F	A154		CR		REVISED TO 1969
5	N1-011847	IOV reset Conditions	Siemens AG, Roland Gruber	04.64	GPRS	7.4.0	R98	A	A155		CR		AGREED
5	N1-011848	IOV reset Conditions	Siemens AG, Roland Gruber	04.64	GPRS	8.6.0	R99	A	A156		CR		AGREED
5	N1-011849	IOV reset Conditions	Siemens AG, Roland Gruber	44.064	GPRS	4.1.0	Rel-4	A	004		CR		AGREED
8.01	N1-011850	Clarification on the EDGE parameters in the Mobile Station Classmark 3 IE	Siemens AG, Roland Gruber	24.008	EDGE	5.1.0	Rel-5	F	510		CR		REVISED TO 1980
5	N1-011851	IOV handling after cipher key re-assignment	Siemens AG, Roland Gruber		GPRS						DISC		NOTED
6	N1-011852	Value range for QoS profile parameter 'transfer delay'	Siemens	24.008	QoS	3.9.0	R99	F	511		CR		WITHDRAWN
6	N1-011853	Value range for QoS profile parameter 'transfer delay'	Siemens	24.008	QoS	4.4.0	Rel-4	A	512		CR		WITHDRAWN
6	N1-011854	Value range for QoS profile parameter 'transfer delay'	Siemens	24.008	QoS	5.1.0	Rel-5	A	513		CR		WITHDRAWN
8.08	N1-011855	Update Via and Record-Route headers in 24.228	AT&T Wireless/ Hugh Shieh	24.228	IMS-CCR	1.7.0	Rel-5				CR		REVISED TO 2000
8.12	N1-011856	Some Issues on the Call Flows in 24.228	AT&T Wireless/ Hugh Shieh								DISC		NOTED
8.13	N1-011857	Attribute a:qos - success sendonly changed to success sendrecv	Ericsson/ A. Monrad	24.228	IMS-CCR	1.7.0	Rel-5				CR		REJECTED
8.13	N1-011858	Mandating of branch in the Via header	Ericsson/ A. Monrad	24.228	IMS-CCR	1.7.0	Rel-5				CR		WITHDRAWN

8.13	N1-011859	Alignment of description of the content in the 'contact' field	Ericsson/ A. Monrad	24.228	IMS-CCR	1.7.0	Rel-5			CR		AGREED
8.07	N1-011860	Re-registration due to re-authentication	Ericsson/ G. Talagery	24.229	IMS-CCR	0.8.0	Rel-5			CR		REJECTED
8.08	N1-011861	Introducing support of ENUM into TS 24.228	Ericsson/ M. Garcia	24.228	IMS-CCR	1.7.0	Rel-5			CR		REVISED TO 2001
8.08	N1-011862	Introducing support of ENUM into TS 24.229	Ericsson/ M. Garcia	24.229	IMS-CCR	0.8.0	Rel-5			CR		REVISED TO 2002
8.10	N1-011863	Terminating call to unregistered subscriber	Ericsson/ G. Talagery	24.228	IMS-CCR	1.7.0	Rel-5			CR		REVISED TO 2032
8.13	N1-011864	Removal of the term TSGW	Ericsson/ M. Garcia	24.228	IMS-CCR	1.7.0	Rel-5			CR		AGREED
8.07	N1-011865	Authentication in 24.228	Ericsson/ G. Talagery	24.228	IMS-CCR	1.7.0	Rel-5			CR		REVISED TO 2028
8.02	N1-011866	24.228v170 "Signalling flows for the IP multimedia call controlbased on SIP and SDP"	Motorola, John O'Hare	24.228	IMS-CCR	1.7.0	Rel-5			TS		NOTED
8.02	N1-011867	23.218v090 "IP Multimedia (IM) Session Handling"	Motorola, John O'Hare	23.218	IMS-CCR	0.9.0	Rel-5			TS		NOTED
8.15	N1-011868	P-CSCF address in Protocol Configuration Options	Motorola / Apostolis	24.008	IMS-CCR	5.1.0	Rel-5	B	514	CR		WITHDRAWN
8.15	N1-011869	IMS parameters in Protocol Configuration Options	Motorola / Apostolis	24.008	IMS-CCR	5.1.0	Rel-5	B	515	CR		WITHDRAWN
8.15	N1-011870	On the usage of Protocol Configuration Options IE for carrying IMS parameters	Motorola / Apostolis							DISC		Not available
8.02	N1-011871	I-D: 3GPP requirements on SIP	Ericsson/ M. Garcia							INFO		NOTED
8.04	N1-011872	Visited Network Identifier	Ericsson/ M. Garcia	24.228	IMS-CCR	1.7.0	Rel-5			CR		REVISED TO 1982
8.08	N1-011873	SDP in 200 OK for INVITE	Ericsson/ M. Garcia	24.228	IMS-CCR	1.7.0	Rel-5			CR		AGREED
8.16	N1-011874	Removal of section 12 in 23.218	Ericsson/ M. Garcia	23.218	IMS-CCR	0.9.0	Rel-5			CR	Agreed if CN5 agrees their part in N5-011139 or a rev.	AGREED
8.16	N1-011875	Removal of sections 7 and 8 in 23.218	Ericsson/ M. Garcia	23.218	IMS-CCR	0.9.0	Rel-5			CR		REJECTED
8.04	N1-011876	Procedures at P-CSCF: Registration	Nokia/ Krisztián Kiss	24.229	IMS-CCR	0.8.0	Rel-5			CR		REVISED TO 1984
8.0	N1-011877	Procedures at P-CSCF: Initial INVITE	Nokia/ Krisztián	24.229	IMS-CCR	0.8.0	Rel-5			CR		REVISED TO

8		procedures	Kiss									2003
8.0 9	N1-011878	Procedures at P-CSCF: Call release initiated by any other entity	Nokia/ Krisztián Kiss	24.229	IMS-CCR	0.8.0	Rel-5			CR		REVISED TO 2031
8.0 8	N1-011879	The content of To: and From: header fields	Nokia/ Krisztián Kiss	24.228	IMS-CCR	1.7.0	Rel-5			CR		REJEC TED
8.1 6	N1-011880	Moving CAMEL related sections from TS 23.218 to 23.078 (CN2 TS)	Nokia/ Bajkó Gábor	23.218	IMS-CCR	0.8.0	Rel-5			CR		REVISED TO 1999
8.0 6	N1-011881	Deleting sentence from 11.3.2	Nokia/ Bajkó Gábor	24.229	IMS-CCR	0.8.0	Rel-5			CR		WITHD RAWN
8.0 3	N1-011882	PSTN-O	Nokia/ Bajkó Gábor	24.228	IMS-CCR	1.7.0	Rel-5			CR		REVISED TO 2007
8.0 3	N1-011883	PSTN-T	Nokia/ Bajkó Gábor	24.228	IMS-CCR	1.7.0	Rel-5			CR		REVISED TO 2008
8.0 3	N1-011884	Interworking between 3GPP UE (IPv6 only) and external SIP device (IPv4 only)	Nokia/ Bajkó Gábor		IMS-CCR					DIS C	Linked with 2006	NOTED
6	N1-011885	GSM to UMTS Handover: Iu-LOCATION-REPORTING message reception	Nokia	23.009	GSM/U MTS Interwor king	3.8.0	R99	F	062	CR		REVISED TO 2026
6	N1-011886	GSM to UMTS Handover: Iu-LOCATION-REPORTING message reception	Nokia	23.009	GSM/U MTS Interwor king	4.2.0	Rel-4	A	063	CR		REVISED TO 2027
8.1 5	N1-011887	Use of Supported Codec List (SCL) IE for all codec types	Nokia	24.008	AMR-WB	5.1.0	Rel-5	B	516	CR		REVISED TO 1994
8.1 5	N1-011888	Reflection of RRC changes in 44.018 to 23.009	Nokia	23.009	Alignme nt of 3G function al split and Iu.	4.2.0	Rel-5	B	061	CR	Revised to 1997 before presentation	WITHD RAWN
8.0 8	N1-011889	CR to 24.228 on what the UE should do on alerting	Nortel Networks/ Sonia Garapaty	24.228	IMS-CCR	1.7.0	Rel-5			CR		REVISED TO 2019
8.0 7	N1-011890	Network initiated Re-Authentication	Siemens / Georg Mayer	24.228	IMS-CCR	1.7.0	Rel-5			CR		REVISED TO 2035
8.0 7	N1-011891	Network initiated Re-Authentication (Hiding)	Siemens / Georg Mayer	24.228	IMS-CCR	1.7.0	Rel-5			CR		REVISED TO 2036
8.0 7	N1-011892	CR to 24.229: Network initiated Re-Authentication - S-CSCF	Siemens / Georg Mayer	24.229	IMS-CCR	0.8.0	Rel-5			CR		REVISED TO 2030
8.0 7	N1-011893	CR to 24.229: Network initiated Re-Authentication - UE	Siemens / Georg Mayer	24.229	IMS-CCR	0.8.0	Rel-5			CR		REVISED TO 2025
8.0	N1-011894	CR to 24.229: Network initiated De-Registration	Siemens / Georg	24.229	IMS-CCR	0.8.0	Rel-5			CR		Not availabl

8.0 5		- S-CSCF	Mayer										e
8.0 5	N1-011895	CR to 24.229: Network initiated De-Registration - UE	Siemens / Georg Mayer	24.229	IMS-CCR	0.8.0	Rel-5			CR			REVISED TO 1989
8.0 4	N1-011896	CR to 24.229: Multiple public User IDs - S-CSCF	Siemens / Georg Mayer	24.229	IMS-CCR	0.8.0	Rel-5			CR			REVISED TO 1985
8.0 4	N1-011897	CR to 24.229: Multiple public User IDs - UE	Siemens / Georg Mayer	24.229	IMS-CCR	0.8.0	Rel-5			CR			REVISED TO 1986
8.0 4	N1-011898	CR to 24.229: Multiple public User IDs - P-CSCF	Siemens / Georg Mayer	24.229	IMS-CCR	0.8.0	Rel-5			CR			REVISED TO 1988
8.1 3	N1-011899	CR to 24.229: Re-organization of 24.229	Siemens, Nokia, Ericsson, Nortel	24.229	IMS-CCR	0.8.0	Rel-5			CR	See minutes for the agreement		AGREED
8.1 3	N1-011900	CR to 24.229: Deletion of reproduced text in 24.229	Siemens, Nokia, Ericsson, Nortel	24.229	IMS-CCR	0.8.0	Rel-5			CR			REJECTED
8.0 6	N1-011901	CR to 24.229: THIG functionality in the I-CSCF(THIG)	Siemens, Nokia, Ericsson, Nortel, AWS, Lucent	24.229	IMS-CCR	0.8.0	Rel-5			CR			REVISED TO 2023
8.1 3	N1-011902	CR to 24.288: Script input: User-IDs in Request URI	Siemens / Georg Mayer	24.228	IMS-CCR	1.7.0	Rel-5			CR			Not available
8.1 3	N1-011903	CR to 24.228: Scrip input: update of 24.228 flows	Siemens / Georg Mayer	24.228	IMS-CCR	1.7.0	Rel-5			CR			Not available
8.0 6	N1-011904	CR to 24.228: Script input: Update of tokenization notation in 24.228	Siemens / Georg Mayer	24.228	IMS-CCR	1.7.0	Rel-5			CR			Not available
8.0 7	N1-011905	CR to 24.229: Editorial and minor technical changes - authentication clauses	Lucent Technologies / Keith Drage	24.229	IMS-CCR	0.8.0	Rel-5			CR			AGREED
8.0 8	N1-011906	CR to 24.229: Coordinating SIP dialogs between S-CSCF and AS	Lucent Technologies / Eric Henrikson	24.229	IMS-CCR	0.8.0	Rel-5			CR			REJECTED
8.0 4	N1-011907	Registration Handling for S-CSCF, HSS and AS	Lucent Technologies / Eric Henrikson		IMS-CCR					DISC			NOTED
8.0 4	N1-011908	CR to 24.229: SIP Level Registration Procedures for S-CSCF and AS	Lucent Technologies / Eric Henrikson	24.229	IMS-CCR	0.8.0	Rel-5			CR			WITHDRAWN
8.0 4	N1-011909	CR to 23.218: Application Level Registration Procedures for S-CSCF, HSS and AS	Lucent Technologies / Eric Henrikson	23.218	IMS-CCR	0.9.0	Rel-5			CR			WITHDRAWN
8.	N1-	CR to 24.229:	Lucent	24.229	IMS-	0.8.0	Rel			CR			REJEC

0 4	011910	Registration procedures at the MRFC	Technolo gies / Keith Drage		CCR		-5					TED
8. 0 9	N1-011911	CR to 24.229: Procedures at the P-CSCF - Call release	Lucent Technolo gies / Keith Drage	24.229	IMS-CCR	0.8.0	Rel -5			CR		REJEC TED
6	N1-011912	Restriction of the 0kbits maximum bitrate	Ericsson	24.008	GPRS	3.9.0	R9 9	F	517	CR		REJEC TED
6	N1-011913	Restriction of the 0kbits maximum bitrate	Ericsson	24.008	GPRS	4.4.0	Rel -4	A	518	CR		REJEC TED
6	N1-011914	Restriction of the 0kbits maximum bitrate	Ericsson	24.008	GPRS	5.1.0	Rel -5	A	519	CR		REJEC TED
8. 0 8	N1-011915	CR to 24.229: Definition of short term and persistent dialog	Siemens / Georg Mayer	24.229	IMS-CCR	0.8.0	Rel -5			CR		REVISE D TO 2021
8. 1 4	N1-011916	Consideration of Service Request procedure	NTT DoCoMo, Fujitsu, NTT Software							DIS C		NOTED
8. 0 7	N1-011917	Authentication in 24.228 (Hiding)	Ericsson/ G. Talagery	24.228	IMS-CCR	1.7.0	Rel -5			CR		WITHD RAWN
8. 1 4	N1-011918	P-TMSI allocation in Attach procedure	NTT DoCoMo, Fujitsu, NTT Software	24.008	TEI5	5.1.0	Rel -5	F	520	CR	Late document.	Not treated due to time
6	N1-011919	Impact of regional roaming restrictions on the GMM context	T-Mobil, one2one, Siemens	24.008	GSM/U MTS Interwor king	3.9.0	R9 9	F	521	CR		REVISE D TO 1976
6	N1-011920	Conditions for the deletion of the equal PLMN list	T-Mobil, one2one, Siemens	24.008	GSM/U MTS Interwor king	3.9.0	R9 9	F	522	CR		REVISE D TO 2033
6	N1-011921	Introduction of new reject cause #18 - alternative behavior compared to cause #15	T-Mobil, one2one, Siemens	24.008	GSM/U MTS Interwor king	3.9.0	R9 9	F	523	CR		Not availabl e
6	N1-011922	Impact of regional roaming restrictions on the GMM context	T-Mobil, one2one, Siemens	24.008	GSM/U MTS Interwor king	4.4.0	Rel -4	A	524	CR		REVISE D TO 1977
6	N1-011923	Conditions for the deletion of the equal PLMN list	T-Mobi, one2one, Siemens	24.008	GSM/U MTS Interwor king	4.4.0	Rel -4	A	525	CR		REVISE D TO 2034
6	N1-011924	Introduction of new reject cause #18 - alternative behavior compared to cause #15	T-Mobil, one2one, Siemens	24.008	GSM/U MTS Interwor king	4.4.0	Rel -4	A	526	CR		Not availabl e
6	N1-011925	Impact of regional roaming restrictions on the GMM context	T-Mobil, one2one, Siemens	24.008	GSM/U MTS Interwor king	5.1.0	Rel -5	A	527	CR		REVISE D TO 1978
6	N1-	Conditions for the	T-Mobil,	24.008	GSM/U	5.1.0	Rel	A	528	CR		REVISE

	011926	deletion of the equal PLMN list	one2one, Siemens		MTS Interworking		-5						D TO 1970
6	N1-011927	Introduction of new reject cause #18 - alternative behavior compared to cause #15	T-Mobil, one2one, Siemens	24.008	GSM/UMTS Interworking	5.1.0	Rel -5	A	529	CR			Not available
5	N1-011928	Fundamental principles of GPRS ciphering	Motorola / Apostolis							DISC			NOTED
8. 0 8	N1-011929	CR to 24.229: Some proposals for procedures at the BGCF - call initiation	Lucent Technologies / Keith Drage	24.229	IMS-CCR	0.8.0	Rel -5			CR			REVISED TO 2022
4	N1-011930	Proposed WI: Presence	Lucent Technologies / Keith Drage							WID			REVISED TO 1968
8. 0 4	N1-011931	CR to 24.228: Addition of authentication to the registration and registration call flows	Lucent Technologies / Brad Owen	24.228	IMS-CCR	1.7.0	Rel -5			CR			REVISED TO 2029
8. 1 2	N1-011932	CR to 24.229: An analysis of the requirements for the Require Header	Lucent Technologies / Keith Drage	24.229	IMS-CCR	0.8.0	Rel -5			CR			Not available
8. 1 2	N1-011933	CR to 24.229: Inclusion of the Events draft in profile tables	Lucent Technologies / Keith Drage	24.229	IMS-CCR	0.8.0	Rel -5			CR			Not available
8. 0 8	N1-011934	Discussion document on SDP usage	Lucent Technologies / Keith Drage		IMS-CCR					DISC	Revised from N1-011839 before the meeting.		NOTED
8. 0 8	N1-011935	CR to 24:228: Stateful I-CSCF in the Path	Lucent Technologies / Xin Chen	24.228	IMS-CCR	1.7.0	Rel -5			CR			AGREED
8. 0 4	N1-011936	CR to 24.229: Registration and deregistration procedures at the P-CSCF	Lucent Technologies / Keith Drage	24.229	IMS-CCR	0.8.0	Rel -5			CR			REJECTED
8. 1 2	N1-011937	Addition of Cell ID to SIP messages	Duncan Mills / Vodafone							DISC			Not available
8. 0 4	N1-011938	Handling of rejected REGISTER requests in IMS	Duncan Mills / Vodafone							DISC	Late document.		Not treated due to time
8. 0 1	N1-011939	Intra-Domain Connection of RAN Nodes to Multiple CN Nodes	Duncan Mills / Vodafone	29.018	IUFLEX	4.1.0	Rel -5	F	025	CR			REVISED TO 1981
8. 1	N1-011940	Work Item Description: Intra Domain	Duncan Mills /		IUFLEX		Rel -5			WID			REVISED TO

#	Tdoc	Title	Source	Spec	WI	Ver	Rel	Cat	CR	Rev	Type	Comment	Status
5		Connection of RAN Nodes to Multiple CN Nodes	Vodafone										1990
8.03	N1-011941	Interworking with TS 24.229 SIP	BT	24.229	IMS-CCR	0.8.0	Rel-5				CR		NOTED
3	N1-011942	RE: Liaison Statement on privacy of IPv6 addresses allocated to terminals using the IM CN subsystem	S1								LS IN	S1-011190, To: N1 Cc: S2, S3	LS OUT by Keith in 1963
3	N1-011943	Response to: Liaison Statement on Usage of Private ID	S1								LS IN	S1-011191, To: N1 Cc: N4, S2, S3, S5	NOTED
3	N1-011944	Liaison Statement on The Definition of Local Services	S1								LS IN	S1-011193, To: S2 Cc: N1	NOTED
3	N1-011945	Focus of TR 22.941	S1								LS IN	S1-011322, To: N1, S2 Cc: SA, CN, T	NOTED
3	N1-011946	Liaison Statement on AMR - Wideband Requirements	S1								LS IN	S1-011328, To: N1, S2, S5 Cc:	NOTED
3	N1-011947	S2 Activities from the 3GPP Work Plan	S2								LS IN	S2-013060, To: N1 Cc:	NOTED
8.15	N1-011948	Service change and fallback from UDI multimedia to speech	Ericsson/Rouzbeh	24.008	SCUDIF	5.1.0	Rel-5	C	530		CR	Revised to 1966 before presentation	WITHDRAWN
6	N1-011949	Usage of Location Reporting for Relocation and Inter-system Handover	Ericsson/Rouzbeh	23.009	GSM/UMTSInterworking	3.8.0	R99	F	056	1	CR		REVISED TO 1971
6	N1-011950	Usage of Location Reporting for Relocation and Inter-system Handover	Ericsson/Rouzbeh	23.009	GSM/UMTSInterworking	4.2.0	Rel-4	A	057	1	CR		REVISED TO 1972
4	N1-011951	Latest WORKPLAN 22/11	MCC								WORKPLAN	See minutes for needed modifications.	NOTED
3	N1-011952	Response to the LS S2-012896 from SA3 on Security Aspects related to the IMS Authentication.	S2								LS IN	S2-013079, To: S3 Cc: N1, N4, Was already noted in CN1#20bis.	WITHDRAWN
3	N1-011953	RE: LS on IMS identifiers and ISIM and USIM (S2 Tdoc S2-013067)	T3								LS IN	T3-010730, To: S2 Cc: S3, S1, N1, T2, ETSI SCP	NOTED
12	N1-011954	Introduction of a revision level indicator 2 in the MS Radio Access Capability IE and MS Classmark 3 IE	Alcatel	24.008	GERAN Improvements 2	4.4.0	Rel-4	F	469		CR		WITHDRAWN
12	N1-011955	Clarification regarding mandatory protocol extensions introduced in release 4	Alcatel	44.060	GERAN Improvements 2	4.3.0	Rel-4	F	093		INFO		WITHDRAWN

8.03	N1-011956	CR to 24.228: Function split between P-CSCF and PCF	Lucent Technologies/Xin Chen	24.228	IMS-CCR	1.7.0	Rel-5				CR	Revised from 1798 before the meeting. Late document.	Not treated due to time
8.03	N1-011957	CR to 24:228: QoS with Resource Reservation, Mobile Originating	Lucent Technologies/Xin Chen	24.228	IMS-CCR	1.7.0	Rel-5				CR	Late document.	Not treated due to time
8.03	N1-011958	CR to 24:228: QoS with Resource Reservation Mobile Terminating	Lucent Technologies/Xin Chen	24.228	IMS-CCR	1.7.0	Rel-5				CR	Late document.	Not treated due to time
12	N1-011959	Support of Early Classmark Sending by an PBCCH capable cell	Siemens/Roland	09.95			R97	F	A003		INFO	The TS belongs to GERAN1. Supported by CN1.	NOTED
12	N1-011960	Support of Early Classmark Sending by an PBCCH capable cell	Siemens/Roland	09.95			R98	A	A004		INFO	The TS belongs to GERAN1. Supported by CN1.	NOTED
12	N1-011961	Introduction of a revision level indicator 2 in the MS Radio Access Capability IE and MS Classmark 3 IE	Alcatel	24.008	GERAN Improvements 2	5.1.0	Rel-5	A	470		CR		WITHDRAWN
8.14	N1-011962	Service Request - Multiple RAB's	H3g	24.008	TEI5	5.1.0	Rel-5	F	508	1	CR	Revised from1801 before presentation.	Not available
9	N1-011963	Liaison Statement on privacy of IPv6 addresses allocated to terminals using the IM CN subsystem	Keith Drage								LS OUT	Linked to 1942. To: S1 Cc: S2, S3	REVISED TO 2041
8.04	N1-011964	Application Level Registration Procedures for S-CSCF	Dynamicsoft,Andrew Allen	23.218	IMS-CCR	0.9.0	Rel-5				CR	Late document.	Not treated due to time
8.16	N1-011965	23.218 Cleanup and Editorial Corrections	Dynamicsoft,Andrew Allen	23.218	IMS-CCR	0.9.0	Rel-5				CR	Late document.	Not treated due to time
8.15	N1-011966	Service change and fallback from UDI multimedia to speech	Ericsson/Rouzbeh	24.008	SCUDIF	5.1.0	Rel-5	C	530	1	CR	Revised from 1948 before presentation	POSTPONED
4	N1-011967	SIP call control protocol for the IM CN subsystem	Lucent Technologies / Keith Drage		IMS-CCR		Rel-5				WID	REVISED from 1826	AGREED
4	N1-011968	Proposed WI: Presence	Lucent Technologies / Keith Drage								WID	REVISED from 1930	REVISED TO 2020
5	N1-011969	IOV reset Conditions	Siemens AG, Roland Gruber	04.64	GPRS	6.9.0	R97	F	A154	1	CR	REVISED from 1846	AGREED
6	N1-011970	Conditions for the deletion of the equal PLMN list	T-Mobil, one2one, Siemens	24.008	GSM/UMTS Interwor	5.1.0	Rel-5	A	528	1	CR	REVISED from 1926	REVISED TO 2054

					king							
6	N1-011971	Usage of Location Reporting for Relocation and Inter-system Handover	Ericsson/ Rouzbeh	23.009	GSM/U MTSInte rworking	3.8.0	R99	F	056	2	CR	REVISED from 1949	AGREED
6	N1-011972	Usage of Location Reporting for Relocation and Inter-system Handover	Ericsson/ Rouzbeh	23.009	GSM/U MTSInte rworking	4.2.0	Rel-4	A	057	2	CR	REVISED from 1950	AGREED
7	N1-011973	RR Establishment Causes for LCS procedures	Ericsson	24.008	LCS1-PS	4.4.0	Rel-4	F	494	2	CR	REVISED from 1784	AGREED
7	N1-011974	RR Establishment Causes for LCS procedures	Ericsson	24.008	LCS1-PS	5.1.0	Rel-5	A	495	2	CR	REVISED from 1785	AGREED
8.03	N1-011975	CR to 24.228: Cx Session Initiation	Lucent Technolo gies/Xin Chen	24.228	IMS-CCR	1.7.0	Rel-5				CR	Revised from 1799 before presentation	REVISED TO 2009
6	N1-011976	Impact of regional roaming restrictions on the GMM context	T-Mobil, one2one, Siemens	24.008	GSM/U MTS Interwor king	3.9.0	R99	F	521	1	CR	REVISED from 1919	REVISED TO 2046
6	N1-011977	Impact of regional roaming restrictions on the GMM context	T-Mobil, one2one, Siemens	24.008	GSM/U MTS Interwor king	4.4.0	Rel-4	A	524	1	CR	REVISED from 1922	REVISED TO 2047
6	N1-011978	Impact of regional roaming restrictions on the GMM context	T-Mobil, one2one, Siemens	24.008	GSM/U MTS Interwor king	5.1.0	Rel-5	A	527	1	CR	REVISED from 1925	REVISED TO 2048
3	N1-011979	Response LS on IMS identifiers and ISIM and USIM	S3								LS IN	S3-010647, To:T3, S2, S1, N1, T2 Cc: EP SCP	Forward ed to SIPadh oc0201
8.01	N1-011980	Clarification on the EDGE parameters in the Mobile Station Classmark 3 IE	Siemens AG, Roland Gruber	24.008	EDGE	5.1.0	Rel-5	F	510	1	CR	REVISED from 1850	REVISED TO 1995
8.01	N1-011981	Intra-Domain Connection of RAN Nodes to Multiple CN Nodes	Duncan Mills / Vodafone	29.018	IUFLEX	4.1.0	Rel-5	F	025	1	CR	REVISED from 1939	AGREED
8.04	N1-011982	Visited Network Identifier	Ericsson/ M. Garcia	24.228	IMS-CCR	1.7.0	Rel-5				CR	REVISED from 1872	AGREED
3	N1-011983	Liaison Statement on allowing the UE to request 0 kbps	S2								LS IN	S2-013491, To: N1 Cc:	NOTED
8.04	N1-011984	Procedures at P-CSCF: Registration	Nokia/ Krisztián Kiss	24.229	IMS-CCR	0.8.0	Rel-5				CR	REVISED from 1876	AGREED
8.04	N1-011985	CR to 24.229: Multiple public User IDs - S-CSCF	Siemens / Georg Mayer	24.229	IMS-CCR	0.8.0	Rel-5				CR	REVISED from 1896	AGREED
8.04	N1-011986	CR to 24.229: Multiple public User IDs - UE	Siemens / Georg Mayer	24.229	IMS-CCR	0.8.0	Rel-5				CR	REVISED from 1897	AGREED
8.0	N1-011987	Interworking between 3GPP UE (IPv6 only)	CN3								DIS CU		REVISE D TO

Item	Tdoc	Title	Source	Spec	WI	Version	Rel	Cat	CR	Rev	Type	Comment	Status
3		and external SIP device (IPv4 only)									SSION		2005
8.04	N1-011988	CR to 24.229: Multiple public User IDs - P-CSCF	Siemens / Georg Mayer	24.229	IMS-CCR	0.8.0	Rel-5				CR	REVISED from 1898	AGREED
8.05	N1-011989	CR to 24.229: Network initiated De-Registration - UE	Siemens / Georg Mayer	24.229	IMS-CCR	0.8.0	Rel-5				CR	REVISED from 1895	AGREED
8.15	N1-011990	Work Item Description: Intra Domain Connection of RAN Nodes to Multiple CN Nodes	Duncan Mills / Vodafone		IUFLEX		Rel-5				WID	REVISED from 1940	AGREED
8.15	N1-011991	Introduction of Intra Domain Connection of RAN	Ericsson/ Zdravko	23.009	IUFLEX	4.2.0	Rel-5	C	052	2	CR	REVISED from 1812	REVISED TO 2042
8.15	N1-011992	Introduction of Intra Domain Connection of RAN	Ericsson/ Zdravko	29.018	IUFLEX	4.1.0	Rel-5	C	024	1	CR	REVISED from 1813	AGREED
8.15	N1-011993	LCS capability for GPRS	Siemens AG, Roland Gruber	24.008	LCS	5.1.0	Rel-5	B	489	2	CR	REVISED from 1844	AGREED
8.15	N1-011994	Use of Supported Codec List (SCL) IE for all codec types	Nokia	24.008	AMR-WB	5.1.0	Rel-5	B	516	1	CR	REVISED from 1887	REVISED TO 2018
8.01	N1-011995	Clarification on the EDGE parameters in the Mobile Station Classmark 3 IE	Siemens AG, Roland Gruber	24.008	EDGE	5.1.0	Rel-5	F	510	2	CR	REVISED from 1980	AGREED
7	N1-011996	CR to 24.008. Corrections to references.	Motorola	24.008	TEI4	4.4.0	Rel-4	F	531		CR	Mirror CR needed directly to the plenary.	AGREED
8.15	N1-011997	Reflection of RRC changes in 44.018 to 23.009	Nokia	23.009	Alignment of 3G functional split and Iu.	4.2.0	Rel-5	B	061	1	CR	Revised from 1888 before presentation	REVISED TO 2039
8.14	N1-011998	Reaction after T3230 Expiration	Fujitsu								DISCUSSION	Late document.	Not treated due to time
8.16	N1-011999	Moving CAMEL related sections from TS 23.218 to 23.078 (CN2 TS)	Nokia/ Bajkó Gábor	23.218	IMS-CCR	0.8.0	Rel-5				CR	REVISED from 1880	REVISED TO 2051
8.08	N1-012000	Update Via and Record-Route headers in 24.228	AT&T Wireless/ Hugh Shieh	24.228	IMS-CCR	1.7.0	Rel-5				CR	REVISED from 1855	AGREED
8.08	N1-012001	Introducing support of ENUM into TS 24.228	Ericsson/ M. Garcia	24.228	IMS-CCR	1.7.0	Rel-5				CR	REVISED from 1861	AGREED
8.08	N1-012002	Introducing support of ENUM into TS 24.229	Ericsson/ M. Garcia	24.229	IMS-CCR	0.8.0	Rel-5				CR	REVISED from 1862	REVISED TO 2045
8.08	N1-012003	Procedures at P-CSCF: Initial INVITE procedures	Nokia/ Krisztián Kiss	24.229	IMS-CCR	0.8.0	Rel-5				CR	REVISED from 1877	REVISED TO 2057
4	N1-012004	CN1 IMS open item list	CN1 Chairman								DISC	REVISED from 1782	NOTED

8.03	N1-012005	Interworking between 3GPP UE (IPv6 only) and external SIP device (IPv4 only)	CN3								DISCUSSION	REVISED from 1987	Not available
9	N1-012006	LS on Interworking between 3GPP UE (IPv6 only) and SIP device external to IMS (IPv4 only)'	Gabor								LS OUT	To: SA2 Cc: CN3	REVISED TO 2050
8.03	N1-012007	PSTN-O	Nokia/ Bajkó Gábor	24.228	IMS-CCR	1.7.0	Rel-5				CR	REVISED from 1882	AGREED
8.03	N1-012008	PSTN-T	Nokia/ Bajkó Gábor	24.228	IMS-CCR	1.7.0	Rel-5				CR	REVISED from 1883	AGREED
8.03	N1-012009	CR to 24.228: Cx Session Initiation	Lucent Technologies/Xin Chen	24.228	IMS-CCR	1.7.0	Rel-5				CR	Revised from 1799 before presentation. REVISED from 1975	AGREED
3	N1-012010	P-CSCF triggered re-authentication	S3								LS IN	S3-010654, To:S2 Cc:S5, N1	Forwarded to SIPadhoc0201
3	N1-012011	IMS Security requirements and transportation of SIP session keys	S3								LS IN	S3-010669, To:N1	Forwarded to SIPadhoc0201
8.04	N1-012012	CR to 24.229: Editorial and minor technical changes - registration clauses	Lucent Technologies / Keith Drage	24.229	IMS-CCR	0.8.0	Rel-5				CR	REVISED from 1790	AGREED
8.05	N1-012013	CR to 24.229: Editorial and minor technical changes - deregistration clauses	Lucent Technologies / Keith Drage	24.229	IMS-CCR	0.8.0	Rel-5				CR	REVISED from 1791	AGREED
8.08	N1-012014	CR to 24.229: Editorial and minor technical changes - call initiation clauses	Lucent Technologies / Keith Drage	24.229	IMS-CCR	0.8.0	Rel-5				CR	REVISED from 1792	AGREED
8.13	N1-012015	CR to 24.229: Editorial and minor technical changes - clauses 1 to 5	Lucent Technologies / Keith Drage	24.229	IMS-CCR	0.8.0	Rel-5				CR	REVISED from 1793	AGREED
8.08	N1-012016	CR to 24.228: A review of the editor's notes in clauses 7.4 and 17.4	Lucent Technologies / Keith Drage	24.228	IMS-CCR	1.7.0	Rel-5				CR	REVISED from 1833	AGREED
8.12	N1-012017	CR to 24.228: A review of the editor's notes in clauses 10 and 20	Lucent Technologies / Keith Drage	24.228	IMS-CCR	1.7.0	Rel-5				CR	REVISED from 1835	AGREED
8.15	N1-012018	Use of Supported Codec List (SCL) IE for all codec types	Nokia	24.008	AMR-WB	5.1.0	Rel-5	B	516	2	CR	REVISED from 1887, and then REVISED from	AGREED

												1994.	
8.08	N1-012019	CR to 24.228 on what the UE should do on alerting	Nortel Networks/ Sonia Garapaty	24.228	IMS-CCR	1.7.0	Rel-5				CR	REVISED from 1889. Not available.	WITHDRAWN
4	N1-012020	Proposed WI: Presence	Lucent Technologies / Keith Drage								WID	REVISED from 1930, and then REVISED from 1968	AGREED
8.08	N1-012021	CR to 24.229: Definition of short term and persistent dialog	Siemens / Georg Mayer	24.229	IMS-CCR	0.8.0	Rel-5				CR	REVISED from 1915	AGREED
8.08	N1-012022	CR to 24.229: Some proposals for procedures at the BGCF - call initiation	Lucent Technologies / Keith Drage	24.229	IMS-CCR	0.8.0	Rel-5				CR	REVISED from 1929	AGREED
8.06	N1-012023	CR to 24.229: THIG functionality in the I-CSCF(THIG)	Siemens, Nokia, Ericsson, Nortel, AWS, Lucent	24.229	IMS-CCR	0.8.0	Rel-5				CR	REVISED from 1901	REVISED TO 2056
8.07	N1-012024	UE Actions on Network Initiated Re-Authentication	H3g	24.229	IMS-CCR	0.7.0	Rel-5	F			CR	REVISED from 2024	Not available
8.07	N1-012025	CR to 24.229: Network initiated Re-Authentication - UE	Siemens / Georg Mayer	24.229	IMS-CCR	0.8.0	Rel-5				CR	REVISED from 1893	AGREED
6	N1-012026	GSM to UMTS Handover: Iu-LOCATION-REPORTING message reception	Nokia	23.009	GSM/UMTS Interworking	3.8.0	R99	F	062	1	CR	REVISED from1885. SDLs to be provided before CN#14	AGREED
6	N1-012027	GSM to UMTS Handover: Iu-LOCATION-REPORTING message reception	Nokia	23.009	GSM/UMTS Interworking	4.2.0	Rel-4	A	063	1	CR	REVISED from 1886. SDLs to be provided before CN#14	AGREED
8.07	N1-012028	Authentication in 24.228	Ericsson/ G. Talagery	24.228	IMS-CCR	1.7.0	Rel-5				CR	REVISED from1865	AGREED
8.04	N1-012029	CR to 24.228: Addition of authentication to the registration and registration call flows	Lucent Technologies / Brad Owen	24.228	IMS-CCR	1.7.0	Rel-5				CR	REVISED from 1931	AGREED
8.07	N1-012030	CR to 24.229: Network initiated Re-Authentication - S-CSCF	Siemens / Georg Mayer	24.229	IMS-CCR	0.8.0	Rel-5				CR	REVISED from 1892	REJECTED
8.09	N1-012031	Procedures at P-CSCF: Call release initiated by any other entity	Nokia/ Krisztián Kiss	24.229	IMS-CCR	0.8.0	Rel-5				CR	REVISED from 1878	AGREED
8.10	N1-012032	Terminating call to unregistered subscriber	Ericsson/ G. Talagery	24.228	IMS-CCR	1.7.0	Rel-5				CR	REVISED from 1863	AGREED
6	N1-012033	Conditions for the deletion of the equal PLMN list	T-Mobil, one2one, Siemens	24.008	GSM/UMTS Interwor	3.9.0	R99	F	522	1	CR	REVISED from 1920	REVISED TO 2052

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6	N1-012034	Conditions for the deletion of the equal PLMN list	T-Mobi, one2one, Siemens	24.008	GSM/U MTS Interwor king	4.4.0	Rel-4	A	525	1	CR	REVISED from 1923	REVISED TO 2053
8.07	N1-012035	Network initiated Re-Authentication	Siemens / Georg Mayer	24.228	IMS-CCR	1.7.0	Rel-5				CR	REVISED from 1890	AGREED
8.07	N1-012036	Network initiated Re-Authentication (Hiding)	Siemens / Georg Mayer	24.228	IMS-CCR	1.7.0	Rel-5				CR	REVISED from 1891	AGREED
8.12	N1-012037	CR to 24.229: Transport mechanisms for SIP	Lucent Technolo gies / Keith Drage	24.229	IMS-CCR	0.8.0	Rel-5				CR	REVISED from 1840	REJECTED
8.15	N1-012038	Introduction of a new TOM protocol discriminator for RRLP	Ericsson/ Siemens	44.064	LCS	4.1.0	Rel-5	B	002	3	CR	REVISED from 1845	AGREED
8.15	N1-012039	Reflection of RRC changes in 44.018 to 23.009	Nokia	23.009	Alignme nt of 3G function al split and Iu.	4.2.0	Rel-5	B	061	2	CR	Revised from 1888 before presentation, then REVISED from 1997	REVISED TO 2043
8.13	N1-012040	Status of 24.228 clean-up reviews	Motorola, John O'Hare	24.228	IMS-CCR	1.7.0	Rel-5				INFO		NOTED
9	N1-012041	Liaison Statement on privacy of IPv6 addresses allocated to terminals using the IM CN subsystem	Keith Drage								LS OUT	Linked to 1942. To: S1 Cc: S2, S3 REVISED from 1963	AGREED
8.15	N1-012042	Introduction of Intra Domain Connection of RAN	Ericsson/ Zdravko	23.009	IUFLEX	4.2.0	Rel-5	C	052	3	CR	REVISED from 1812, then REVISED from 1991	AGREED
8.15	N1-012043	Reflection of RRC changes in 44.018 to 23.009	Nokia	23.009	Alignme nt of 3G function al split and Iu.	4.2.0	Rel-5	B	061	3	CR	Revised from 1888 before presentation, then REVISED from 1997 and 2039	REVISED TO 2055
9	N1-012044	Liaison Statement on Addition of section " Conditions for IOV reset " to 09.95	Roland Gruber								LS OUT	To: GERAN, GERAN1	AGREED
8.08	N1-012045	Introducing support of ENUM into TS 24.229	Ericsson/ M. Garcia	24.229	IMS-CCR	0.8.0	Rel-5				CR	REVISED from 1862 and 2002	AGREED
6	N1-012046	Impact of regional roaming restrictions on the GMM context	T-Mobil, one2one, Siemens	24.008	GSM/U MTS Interwor king	3.9.0	R99	F	521	2	CR	REVISED from 1919 and 1976. Agreed but presented seperated to plenary as controversial.	AGREED
6	N1-012047	Impact of regional roaming restrictions on the GMM context	T-Mobil, one2one, Siemens	24.008	GSM/U MTS Interwor king	4.4.0	Rel-4	A	524	2	CR	REVISED from 1922 and 1977	AGREED
6	N1-	Impact of regional	T-Mobil,	24.008	GSM/U	5.1.0	Rel-5	A	527	2	CR	REVISED from	AGREE

	012048	roaming restrictions on the GMM context	one2one, Siemens		MTS Interworking	-5						1925 and 1978	D
8.15	N1-012049	Fallback from UDI multimedia and changing between speech and multimedia	Ericsson/ Rouzbeh		SCUDIF					INFO			NOTED
9	N1-012050	LS on Interworking between 3GPP UE (IPv6 only) and SIP device external to IMS (IPv4 only)'	Gabor Bajko							LS OUT	To: SA2 Cc: CN3 REVISED from 2006		AGREED
8.16	N1-012051	Moving CAMEL related sections from TS 23.218 to 23.078 (CN2 TS)	Nokia/ Bajkó Gábor	23.218	IMS-CCR	0.8.0	Rel-5			CR	REVISED from 1880 and 1999		AGREED
6	N1-012052	Conditions for the deletion of the equal PLMN list	T-Mobil, one2one, Siemens	24.008	GSM/UMTS Interworking	3.9.0	R99	F	522	2	CR	REVISED from 1920 and 2033	AGREED
6	N1-012053	Conditions for the deletion of the equal PLMN list	T-Mobi, one2one, Siemens	24.008	GSM/UMTS Interworking	4.4.0	Rel-4	A	525	2	CR	REVISED from 1923 and 2034	AGREED
6	N1-012054	Conditions for the deletion of the equal PLMN list	T-Mobil, one2one, Siemens	24.008	GSM/UMTS Interworking	5.1.0	Rel-5	A	528	2	CR	REVISED from 1926 and 1970	AGREED
8.15	N1-012055	Reflection of RRC changes in 44.018 to 23.009	Nokia	23.009	Alignment of 3G functional split and Iu.	4.2.0	Rel-5	B	061	4	CR	Revised from 1888 before presentation, then REVISED from 1997 and 2039 and 2043. Endorced by CN4	AGREED
8.06	N1-012056	CR to 24.229: THIG functionality in the I-CSCF(THIG)	Siemens, Nokia, Ericsson, Nortel, AWS, Lucent	24.229	IMS-CCR	0.8.0	Rel-5				CR	REVISED from 1901 and 2033	AGREED
8.08	N1-012057	Procedures at P-CSCF: Initial INVITE procedures	Nokia/ Krisztián Kiss	24.229	IMS-CCR	0.8.0	Rel-5				CR	REVISED from 1877 and 2003	AGREED

Annex E   Liaison Statements OUT

TDoc #	Status	Source	Tdoc Title	Type	Comments
N1-012041	AGREED	Keith Drage	Liaison Statement on privacy of IPv6 addresses allocated to terminals using the IM CN subsystem	LS OUT	Linked to 1942. To: S1 Cc: S2, S3 REVISED from 1963
N1-012044	AGREED	Roland Gruber	Liaison Statement on Addition of section " Conditions for IOV reset " to 09.95	LS OUT	To: GERAN, GERAN1
N1-012050	AGREED	Gabor Bajko	LS on Interworking between 3GPP UE (IPv6 only) and SIP device external to IMS (IPv4 only)'	LS OUT	To: SA2 Cc: CN3 REVISED from 2006

Annex F   Ageed Work Items

Meeting	Status	TDoc #	Source	Tdoc Title	Type	WI
N1-21	AGREED	N1-011967	Lucent Technologies / Keith Drage	SIP call control protocol for the IM CN subsystem	WID	IMS-CCR
N1-21	AGREED	N1-011990	Duncan Mills / Vodafone	Work Item Description: Intra Domain Connection of RAN Nodes to Multiple CN Nodes	WID	IUFLEX
N1-21	AGREED	N1-012020	Lucent Technologies / Keith Drage	Proposed WI: Presence	WID	

Annex G   Agreed specifications (TS or TR)

Meeting	Status	TDoc #	Spec	Tdoc Title	C_Version	Type	Rel	N_Version
N1-21	AGREED	N1-011830	24.228	Advancement of 3GPP TS 24.228 to Version 2.0.0		TS	Rel-5	1.8.0
N1-21	AGREED	N1-011831	24.229	Advancement of 3GPP TS 24.229 to Version 1.0.0		TS	Rel-5	1.0.0
N1-21	AGREED	N1-011832	23.218	Advancement of 3GPP TS 23.218 to Version 1.0.0		TS	Rel-5	1.0.0

Annex H   List of CRs to N1 drafts

Spec	TDoc #	C_Version	Tdoc Title	Type	WI	Rel	Status
23.218	N1-011874	0.9.0	Removal of section 12 in 23.218	CR	IMS-CCR	Rel-5	AGREED
23.218	N1-012051	0.8.0	Moving CAMEL related sections from TS 23.218 to 23.078 (CN2 TS)	CR	IMS-CCR	Rel-5	AGREED
24.228	N1-012008	1.7.0	PSTN-T	CR	IMS-CCR	Rel-5	AGREED
24.228	N1-012001	1.7.0	Introducing support of ENUM into TS 24.228	CR	IMS-CCR	Rel-5	AGREED
24.228	N1-012000	1.7.0	Update Via and Record-Route headers in 24.228	CR	IMS-CCR	Rel-5	AGREED
24.228	N1-012016	1.7.0	CR to 24.228: A review of the editor's notes in clauses 7.4 and 17.4	CR	IMS-CCR	Rel-5	AGREED
24.228	N1-011859	1.7.0	Alignment of description of the content in the 'contact' field	CR	IMS-CCR	Rel-5	AGREED
24.228	N1-012007	1.7.0	PSTN-O	CR	IMS-CCR	Rel-5	AGREED
24.228	N1-011873	1.7.0	SDP in 200 OK for INVITE	CR	IMS-CCR	Rel-5	AGREED
24.228	N1-011834	1.7.0	CR to 24.228: A review of the	CR	IMS-	Rel-5	AGREED

			editor's notes in clauses 7.5 and 17.5		CCR		
24.228	N1-012029	1.7.0	CR to 24.228: Addition of authentication to the registration and registration call flows	CR	IMS-CCR	Rel-5	AGREED
24.228	N1-012017	1.7.0	CR to 24.228: A review of the editor's notes in clauses 10 and 20	CR	IMS-CCR	Rel-5	AGREED
24.228	N1-012009	1.7.0	CR to 24.228: Cx Session Initiation	CR	IMS-CCR	Rel-5	AGREED
24.228	N1-011864	1.7.0	Removal of the term TSGW	CR	IMS-CCR	Rel-5	AGREED
24.228	N1-011982	1.7.0	Visited Network Identifier	CR	IMS-CCR	Rel-5	AGREED
24.228	N1-011935	1.7.0	CR to 24:228: Stateful I-CSCF in the Path	CR	IMS-CCR	Rel-5	AGREED
24.228	N1-012032	1.7.0	Terminating call to unregistered subscriber	CR	IMS-CCR	Rel-5	AGREED
24.228	N1-012035	1.7.0	Network initiated Re-Authentication	CR	IMS-CCR	Rel-5	AGREED
24.228	N1-012036	1.7.0	Network initiated Re-Authentication (Hiding)	CR	IMS-CCR	Rel-5	AGREED
24.228	N1-012028	1.7.0	Authentication in 24.228	CR	IMS-CCR	Rel-5	AGREED
24.229	N1-011836	0.8.0	CR to 24.229: Application of profile tables to SDP	CR	IMS-CCR	Rel-5	AGREED
24.229	N1-011829	0.8.0	CR to 24.229: Refinements to scope and contents relating to BGCF	CR	IMS-CCR	Rel-5	AGREED
24.229	N1-011828	0.8.0	CR to 24.229: Addition of the MRFC to scope and contents	CR	IMS-CCR	Rel-5	AGREED
24.229	N1-011989	0.8.0	CR to 24.229: Network initiated De-Registration - UE	CR	IMS-CCR	Rel-5	AGREED
24.229	N1-011986	0.8.0	CR to 24.229: Multiple public User IDs - UE	CR	IMS-CCR	Rel-5	AGREED
24.229	N1-011985	0.8.0	CR to 24.229: Multiple public User IDs - S-CSCF	CR	IMS-CCR	Rel-5	AGREED
24.229	N1-011984	0.8.0	Procedures at P-CSCF: Registration	CR	IMS-CCR	Rel-5	AGREED
24.229	N1-011988	0.8.0	CR to 24.229: Multiple public User IDs - P-CSCF	CR	IMS-CCR	Rel-5	AGREED
24.229	N1-011899	0.8.0	CR to 24.229: Re-organization of 24.229	CR	IMS-CCR	Rel-5	AGREED
24.229	N1-011905	0.8.0	CR to 24.229: Editorial and minor technical changes - authentication clauses	CR	IMS-CCR	Rel-5	AGREED
24.229	N1-012013	0.8.0	CR to 24.229: Editorial and minor technical changes - deregistration clauses	CR	IMS-CCR	Rel-5	AGREED
24.229	N1-012045	0.8.0	Introducing support of ENUM into TS 24.229	CR	IMS-CCR	Rel-5	AGREED
24.229	N1-012014	0.8.0	CR to 24.229: Editorial and minor technical changes - call initiation clauses	CR	IMS-CCR	Rel-5	AGREED
24.229	N1-012015	0.8.0	CR to 24.229: Editorial and minor technical changes - clauses 1 to 5	CR	IMS-CCR	Rel-5	AGREED
24.229	N1-012021	0.8.0	CR to 24.229: Definition of short term and persistent dialog	CR	IMS-CCR	Rel-5	AGREED

24.229	N1-012022	0.8.0	CR to 24.229: Some proposals for procedures at the BGCF - call initiation	CR	IMS-CCR	Rel-5	AGREED
24.229	N1-012025	0.8.0	CR to 24.229: Network initiated Re-Authentication - UE	CR	IMS-CCR	Rel-5	AGREED
24.229	N1-012056	0.8.0	CR to 24.229: THIG functionality in the I-CSCF(THIG)	CR	IMS-CCR	Rel-5	AGREED
24.229	N1-012057	0.8.0	Procedures at P-CSCF: Initial INVITE procedures	CR	IMS-CCR	Rel-5	AGREED
24.229	N1-012031	0.8.0	Procedures at P-CSCF: Call release initiated by any other entity	CR	IMS-CCR	Rel-5	AGREED
24.229	N1-012012	0.8.0	CR to 24.229: Editorial and minor technical changes - registration clauses	CR	IMS-CCR	Rel-5	AGREED