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Meeting Report
TSG CN WG1# 24
Budapest, Hungary
13 - 17 May 2002

Chairman: Hannu Hietalahti (Nokia)

Secretary: Per Johan Jorgensen (ETSI/MCC)

Host: Ericsson

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Documents can be found on the 3GPP-server:

http://www.3gpp.org/ftp/tsg_cn/WG1_mm-cc-sm/TSGN1_24/Docs/

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1 Opening of the meeting. Calls for IPRs

The delegates were welcomed and informed on the logistics.

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

N1-021105 : CN1 chairman, Title: Agenda (Budapest0205)

Discussion : This will continue as a living document throughout the meeting in the document Budapest0205.

No joint meetings will take place, but a breakout meeting to handle some IMS issues will be started after treating the incoming liaisons. The IMS part in parallel will treat agenda item 7.02 and 7.12 and earlier treated 24.228 call flows. The parallel session will be chaired by Kevan Hodges and revised documents will get their new Tdocnumbers the same Monday evening. Tdocs 1296, 1297 and 1342 was sent and received after the deadline (like many others), but most urgent late documents will be tried treated this meeting.

Conclusion : *Agreed*

3 Input Liaison Statements

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

Discussion : LS OUT was prepared in 873 which were withdrawn due to postponed CRs, and therefore this LS IN is forwarded from CN1#23. Clearing of RRC connection and barring the serving cell if the network fails the authentication. N1-020683 (LS) and N1-021276 – 1278 are related with this LS.

Conclusion: *LS OUT in 1364 by Hannu*

N1-020975 : N3-020361, To: SA2, CC:CN, CN1, CN2, SA3, SA5,T, T1, T2, Type: LS IN, Title: Liaison Statement on "IPv6 update of stage 3 specifications"

Discussion : Forward to CN1#24 as it has only R99/R4 implications. Forwarded from CN1#SIPadhoc02024. CN3 questions on IPV6 stateless autoconfiguration, RADIUS and SA2 usage of Rel-5 WID in R99/Rel-4 CRs.

Conclusion: *Noted*

N1-020978 : R2-020796, To: CN4, CC: SA5, SA3, GERAN2, RAN3, CN1, Type: LS IN, Title: Response to LS (N4-020302) on Trace and Availability of IMSI and IMEI

Discussion : Outside the scope for IMS. Forwarded from CN1#SIPadhoc02024. RAN2 answers CN4 question on whether IMSI or IMEI is ever sent across the radio interface. They say that IMSI or IMEI may be used as the Initial UE identity in case of RRC connection setup request on the UTRAN radio interface. Otherwise the IMSI/IMEI is never sent over the radio interface to the RNC. Especially, the RNC has no possibility to request the UE to send the IMSI/IMEI over the air interface. The same explanation applies to GSM / GERAN side.

Conclusion: *Noted*

N1-020979 : S5-022008, To: SA1, SA3, CC: CN1, CN4, T2, T3, Type: LS IN, Title: Reply LS on "support for subscriber certificates" from SA3 (S3-020163)

Discussion : Release 6 issue is out of scope of this meeting. Forwarded from CN1#SIPadhoc02024. SA5 note the LS from SA3 and say that they have agreed to handle subscriber certificates requirements as proposed by S3 as part of its activities on the definition of specification for User Equipment Management and Subscription Management.

Conclusion: Noted

N1-020981 : S5-022017, To: T2, SA3, SA4, CN1, CN4, CN5, T3, S2 , CC: SA1, Type: LS IN, Title: Liaison Statement on co-ordination of data definitions, identified in GUP development

Discussion : Has no action points requested from any group. Forwarded from CN1#SIPadhoc02024. SA5 agree that the data modelling for GUP should be done in single group for practical reasons and they note that there are a number of activities relevant to methods for defining and managing data frameworks which should be considered.

Conclusion: Noted

N1-021106 : S1-020871, To: SA2, T3, Cc:SA3, CN1 , Type: LS IN, Title: SA1 Assumptions on IMS identities and UICCs

Discussion : SA1 give SA2 the requirement to derive IMS identities from the USIM identities in case a R99 or Rel-4 USIM is inserted to an IMS capable mobile. If a Rel-5 UICC containing ISIM is inserted then that is used instead. Is there any change to our already adopted working assumption in CN1? No, and CRS to this meeting is in 1199 and 1200. And also in 1322, 1329, 1330, 1249 and 1250.

Conclusion: Noted

N1-021107 : R2-020795, To: CN1, S4, CN3, GERAN2, Type: LS IN, Title: Response to LS (N1-020666) on DTMF

Discussion : RAN2 reply to our LS N1-020666. They say that the RNC would not differentiate between an RTP payload containing a DTMF tone and an RTP payload containing speech information. Therefore the DTMF tone and the speech information would experience the same QoS, meaning that transfer of the DTMF tone could not be guaranteed. RAN2 does not foresee any problems with this approach for release 5. N1-021107 and N1-021113 are related. What does it mean when RAN2 say that transfer of DTMF tone could not be guaranteed because it suffers the same QoS as speech? Means no retransmissions. According to CN1 working assumption.

Conclusion: Noted

N1-021113 : GP-021122, To: CN1, Cc:S2, RAN2, Type: LS IN, Title: Response to LS (N1-020666) on DTMF

Discussion : GERAN, as RAN2, sees no problem for release 5 with CN1's working assumption to use the RTP payload method for the transmission of DTMF tones generic case. N1-021107 and N1-021113 are related.

Conclusion: Noted

N1-021114 : GP-021150, To: CN1, Cc: CN, Type: LS IN, Title: GERAN Review of CRs to 24.007

Discussion : GERAN have reviewed our proposed 24.007 CRs in N1-020885-886 and they propose a revision. Included CRs is taken to separate document for reapproval in tdocs N1-021340 – 1341.

Conclusion: Noted

N1-021115 : G2-021262, To: CN1, Type: LS IN, Title: Reply to Liaison Statement on SPLIT_PG_CYCLE value

Discussion : Reply to N1-020962. Regarding the SGSN control of the MS SPLIT_PG_CYCLE, GERAN do not see any impact on cell selection. GERAN does not see it as a network problem that the paging cycle is chosen by the MS but that sensible values for each case should be recommended or even mandated. Therefore GERAN propose to restrict the usage of the defined values for paging cycle and to keep GERAN 2 up to date on the issue. If any CRs are created they will go to GERAN first.

Conclusion: Noted

N1-021116 : GP-021288, To: SA2, Cc: CN1, SA1, Type: LS IN, Title: LS on providing IMS services via the Gb interface

Discussion : A question to SA2 on the applicability of IMS services across the Gb interface. GERAN is studying extending Gb interface to provide the necessary QoS. Related to 1306.

Conclusion: Noted

N1-021117: GP-021290, To: CN1, Type: LS IN, Title: LS on "Alternative coding of the MS RAC IE"

Discussion : Only R99 CR is attached, Rel-4 and Rel-5 are missing. Alternative coding for the radio access capability is proposed to save space in the message. Related with CRs in tdocs N1-021345 – 1347. Is the intention to use access technology type '1111' as escape code to indicate the additional access technologies? Yes, and network support of the new coding is the same as allocating a new band. If not understood it is ignored, but this case is a replacement and something is needed to be understood. So the mechanism is that the new coding takes place when the radio block overflows.

Conclusion: LS OUT in 1365 by Roland

N1-021298: S2-021304, To: CN3, Cc:CN1, SA5, Type: LS IN, Title: Reply on LS on Multiple Codecs

Discussion : SA2 acknowledge CN3 working assumption that QoS authorisation is performed according to the codec with the highest QoS requirements.

Conclusion: Noted

N1-021299: S2-021499, To: SA3, SA5, CN1, CN4, Type: LS IN, Title: LS on Presence Service

Discussion : SA2 inform the other groups that they intend to raise the Presence Architecture TR to version 2.0.0 and to propose it for approval in TSGS #16. They feel that the architecture contained in TR 23.841 has reached sufficient level of maturity for other groups to start working on the Stage-3 and other detailed Stage-2 aspects (security, charging, etc.) of Presence. How to continue the documentation in SA2 is not decided. Stage 3 CRs or what ?

Conclusion: Noted

N1-021300: S2-021513, To: SA1, SA3, SA4, SA5, CN1, CN3, CN4, CN5, T1, T2, T3, Cc:SA, T, Type: LS IN, Title: Liaison Statement on GUP work progress

Discussion : CN1 could realistically start GUP work in CN1 #25 in end of July at the earliest, since no contributions are made to this CN1#24. SA2 would like to start its coordination role by providing a status update on the GUP activity. To now see the attached GUP work item description [SP-020163] and the primary output documents from the GUP Ad hoc activity [UP-020053]. SA2 recommends working groups to read this material to increase their understanding of this subject, while being aware that SA1 is still currently actively refining the GUP requirements.

Conclusion: Noted

N1-021301: S2-021517, To: CN1, SA5, Type: LS IN, Title: Liaison statement on Charging at I-CSCF

Discussion : SA2 reply to N1-020948. They agree that I-CSCF needs to generate CDRs for network management purposes even though the I-CSCF need not be relevant for end-user charging scenarios. SA5 should document this and charging procedures, and no details should be seen needed in 24.229 by CN1 apart from the protocol issues as generation and transfer of charging data.

Conclusion: Noted

N1-021302: S2-021519, To: CN1, Type: LS IN, Title: Response to LS on SIP compression

Discussion : SA2 reply to N1-020876. Based on our LS SA2 have agreed the attached CR which removes the requirement for the UE and P-CSCF to support default compression algorithm and negotiation of compression. These are no more needed since we have adopted the UDVM method. Usage of the compression is not mandated any longer but recommended.

Conclusion: Noted

N1-021303: S2-021521, To: CN3, Cc:CN, CN1, CN2, SA3, SA5, T, T1, T2, Type: LS IN, Title: Response to the LS on "IPv6 update of stage 3 specifications"

Discussion : SA2 would like first to reaffirm that they will stay with their current decision to apply the IPv6 changes related to the stateless address autoconfiguration procedure starting from Rel 99 in order to eliminate any backward compatibility issue for IPv6 deployment within 3GPP. SA2 asks CN3 to make the corresponding CRs under their control.

Conclusion: Noted

N1-021304 : S2-021522, To: CN4, SA5, Cc: CN1, Type: LS IN, Title: Liaison statement response on "Distribution of IMS charging ID (ICID) from GGSN to SGSN"

Discussion : SA2 thanks SA5 and CN4 for their liaison statements on the transfer of the IMS Charging ID to the SGSN. SA2 understands that SA5s liaison is motivated by efficient processing of CDRs. However SA2 would like to confirm the statement from S2-020876: The ICID should not be transferred to the SGSN.

Conclusion: Noted

N1-021305 : S2-021526, To: SA1, SA3, CN1, CN4, T3, Type: LS IN, Title: IMS Identities for Rel 99/R4 UICC

Discussion : This LS is a reply to N1-020875 and two other LSs from SA1 and SA3. CN1 task is to develop the necessary stage 3 specifications according to stage 2 solutions attached in the CRs and the discussion paper. SA2 believes that as a minimum the following specifications are affected: 23.003, 24.228, 24.229, 29.228, and 29.229. Related tdocs in N1-021199, 1200, 1322, 1329, 1330, 1249 and 1250 are handling this.

Conclusion: Noted

N1-021306 : S2-021529, To: GERAN, GERAN2, Cc:CN1, SA1, Type: LS IN, Title: LS response to Providing IMS services via Gb interface

Discussion : SA2 reply to GERAN on the applicability of IMS over Gb interface that the current IMS architecture is meant to be 'access independent' and as such it should not make any distinction between the possible access network connection. Related to 1116.

Conclusion: Noted

N1-021307 : S2-021531, To: CN 1, RAN 2, GERAN, Type: LS IN, Title: Liaison Statement on UMTS to GSM change during signalling phase of CS call setup and other CS domain signalling requirements

Discussion : Reply to N1-020930. Retransmission of NAS messages during UMTS to GSM change may result in duplication of NAS messages but the send sequence numbering mechanism should cover that. What SA2 says is not to keep the call in CS state CELL FACH, and that this requirement is not really documented but has been like that for a long time,- also in CN1.

Conclusion: Noted

N1-021352 : S2-021491, To: CN 1, Type: LS IN, Title: Liaison Statement on discovery and subsequent request of specific capabilities within the MRFC/MRFP

Discussion : SA2 states that requests for MRFC capabilities are made from AS to S-CSCF over the ISC interface, and that S-CSCF subsequently makes requests over the Mr reference point, is correct and documented in TS 23.228 sections 4.7 and 5.14.2. If there is no time to do this for Rel-5 it will become Rel-6 issue. The docs for this meeting is in 1153 to 1161. IETF alignment should be to bring also the XML way forward. Dynamicsoft said no IETF drafts was available on this for now, and that 3GPP therefore should wait for alignment in Rel-6.

Conclusion: Noted

N1-021362 : S2-021530, To: CN1, CN3, Type: LS IN, Title: Liaison Statement on 'Clarification of IMS signalling flag'

Discussion : SA2 answers to the four CN1 questions. No change to CN1 working assumptions.

Conclusion: Noted

N1-021363 : S2-021301r4, To: CN3, Cc: CN1, Type: LS IN, Title: Draft Response to LS on "Mapping rules for authorisation"

Discussion : As the mapping rules described in N3-020363 are recommendations for the UE, SA2 can agree them with the understanding that the UE may in some cases select to use a higher or lower traffic Class than what the mapping rules would recommend. To handle this case SA2 proposes that when the requested UMTS QoS Parameters exceeds the Maximum Authorized Parameters the GGSN can downgrade and send new negotiated UMTS QoS Parameters to the UE.

Conclusion: Noted

N1-021448: S2-021311rev3, To: CN1, CN3, SA4, Type: LS IN, Title: Liaison Statement on the "Relation of IMS media components and bearer charging / PDP Contexts"

Discussion:: In the CR against 23.228 the following is stated by SA2: "It is assumed that media components from different IMS sessions are not carried within the same PDP context." At the same time, the interfaces (and the corresponding information element(s) within) carrying Binding Information shall be designed in such a way that they are capable of carrying multiple sets of Binding Informations for forward compatibility reasons. The related CN1 CR in tdoc N1-021289 was agreed.

Conclusion: Noted

N1-021449: S2-021432rev2, To: CN1, Cc: CN4, Type: LS IN, Title: Reply on Liaison Statement on PSTN/CS domain originated call

Discussion : SA2 assumes that the operator will use routing tables to ensure that calls for CS domain subscribers without IMS subscriptions are not routed to an MGCF, but directly to a G-MSC. For exceptional cases SA2 confirms that the existing procedures defined for mobile terminating session procedure for unknown subscriber (section 5.15 of TS 23.228) are sufficient to cover the case where the user has no IMS subscription (e.g. CS only subscription). No change to CN1 working assumptions.

Conclusion: Noted

4 Work Plan for TSGN WG1

N1-021110 : H3g, Type: WID, Title: Proposed WI: MBMS

Discussion : Specialized PDP context is envisaged. CN4 has endorsed this WID. What is the impact on USIM? Should not be ticked as impacted. AN should be ticked in DoNotKnow box. Any impacts to the streaming services ?

Conclusion : Revised to 1514

N1-021514 : H3g, Type: WID, Title: Proposed WI: MBMS

Discussion :

Conclusion : Agreed

N1-021240 : Ericsson, Type: WID, Title: Proposed WID: Network Sharing

Discussion : Not presented.

Conclusion : Revised to 1411

N1-021411 : Ericsson, Type: WID, Title: Proposed WID: Network Sharing

Discussion : Not presented. SA1 has agreed the requirements for network sharing in Rel-5. These will be specified in 22.129 in the SA1#16 meeting (13 - 17 May 2002 in Victoria, Canada). In the SA2#24 meeting (22 - 26 April in Madrid, Spain) it was decided to continue the work on Network Sharing for Rel-5 with the goal of completing it by June 2002. Necessary change requests will be provided directly to the SA plenary. Expected date for RAN3 work to be completed is May 2002 (RAN3#29 from 13 - 17 May 2002 in Gyeongju, KR). Impact on the CN is fairly small. Rel-5 network sharing will be completed by June 2002 plenaries (TSG#16).

CN1 and CN4 impact for CN is intended covered by this WID, and only network functions. Inviting companies to cosign. NTShar is intended for Rel-6 in the workplan as the complete solution, but a minor part is for Rel-5. Therefore some saw this WID as not necessary for Rel-5 which would require only a few CRs. For CN1 only the 23.009 CR to this meeting, and the CN4 CRs will be brought directly to CN#16. Using TEI5 was agreed as sufficient for the all CN work that needs to go to CN#16 together.

Conclusion : Noted

N1-021268 : Chairman, Type: INFO, Title: CN1 IMS open items list

Discussion :

Conclusion : Not treated due to time

N1-021350 : MCC, Title: Latest workplan for review

Discussion : The chairman will provide the workplan comments directly to TSGN #16. Proposals regarding the maturity of CN1 tasks are welcome.

Conclusion : Noted

5 Maintenance of Rel-4 and older releases

N1-021125 : 24.008v3b0 CR#613, Siemens, Type: CR , Title: Deletion of ePLMN list when the fifth RAU attempt is reached

Discussion : Except for the normal RAU procedure it has been defined for the combined and non combined attach as well as for the normal RAU that the *list of equivalent PLMNs* shall be deleted once the attempt counter is greater than or equal to 5. In order to ensure that the MS behaviour is consistent it is proposed to also delete the *list of equivalent PLMNs* if the attempt counter reaches its limit during a non-combined RAU procedure.

Why should the behavior between two mobiles be consistent for different procedures ? It looks as forgotten. Without the procedure modified in R99 it does not seem good to change it for Rel-5 either. Therefore the case when the attempt counter in MS reaches its maximum in normal RA will continue to be different from the case when the same error is met during combined procedures. No serious errors defined.

Conclusion : Rejected

N1-021126 : 24.008v460 CR#614, Siemens, Type: CR , Title: Deletion of ePLMN list when the fifth RAU attempt is reached

Discussion :

Conclusion : Rejected

N1-021127 : 24.008v530 CR#615, Siemens, Type: CR , Title: Deletion of ePLMN list when the fifth RAU attempt is reached

Discussion : Later in the meeting this CR was reopened and agreed, so category shall therefore change to F and WI to TEI5 by modification of MCC.

Conclusion : Agreed

N1-021129 : 23.122v370 CR#038, Siemens, Type: CR , Title: Background scan if HPLMN is part of the "Equivalent PLMNs" list

Discussion : It is not clear, whether the MS shall attempt to obtain service on its HPLMN, if it has currently selected a VPLMN and the HPLMN is part of the current equivalent PLMN (ePLMN) list. As per definition all PLMNs of the ePLMN list are equal to each other. It is clarified that no attempt to obtain service on its HPLMN shall be started when roaming on a VPLMN and the HPLMN is part of the ePLMN list. This also allows that one operator runs two PLMNs in the same geographical area without the risk of a never ending ping pong between the VPLMN and the HPLMN if the HPLMN is configured as the low prio PLMN via the cell re-selection configuration.

Seems as the new text says what was written before. Do we start the timer ? The following was agreed to be the case:

- International roaming case: The MS shall perform background scan even if the HPLMN is in the EPLMN list but the current serving network MCC is not equal to MCC of HPLMN.

- National roaming case: The MS shall not perform background scan if the HPLMN is in the EPLMN list and the MCC of the current serving PLMN equals to the MCC of HPLMN.

Conclusion : Rejected

N1-021130 : 23.122v410 CR#039, Siemens, Type: CR , Title: Background scan if HPLMN is part of the "Equivalent PLMNs" list

Discussion : The following was agreed to be the case:

- International roaming case: The MS shall perform background scan even if the HPLMN is in the EPLMN list but the current serving network MCC is not equal to MCC of HPLMN.
- National roaming case: The MS shall not perform background scan if the HPLMN is in the EPLMN list and the MCC of the current serving PLMN equals to the MCC of HPLMN.

Conclusion : Rejected

N1-021131 : 23.122v370 CR#040, Siemens, Type: CR , Title: Minimum number of FPLMN and preferred PLMN lists entries supported by the MS

Discussion : Up to now it is not specified how many entries the MS must in minimum support for the user and the operator controlled PLMN selector lists. As the number of supported entries directly impacts the MS implementation in terms of RAM and runtime effort and on the other hand affects the PLMN selection behaviour and thus the interests of the operators, it is proposed to define a minimum requirement.

What would be the right number of PLMNs in the operator controlled list,- 50 is proposed by Vodafone? Where should it be specified to have sufficient ME memory buffer,- not in 23.122 it was argued ? If we make a limitation now, what will happen in the future when eg. more needs to be made. The limit should be left to the implementation, and not make a conflict towards the SIM specification. MMO2 as operator would like to see more than 8 stored on the SIM, and handling of up to 100 would be good.

Conclusion : Rejected

N1-021132 : 23.122v410 CR#041, Siemens, Type: CR , Title: Minimum number of FPLMN and preferred PLMN lists entries supported by the MS

Discussion :

Conclusion : Rejected

N1-021133 : 23.122v370 CR#042, Siemens, Type: CR , Title: Role of the Access Technology in the PLMN selection priority

Discussion : It is clarified, that the access technology information shall not be used as a priority criterion for the PLMN selection by the MS, but only as a criterion for the decision on which radio access technology to start the search.

The existing text was thought clear and intentional, and for both start and search on indicated RAT. The following was agreed to be the case:

- It is intentional that the HPLMN should be selected, if available on any supported RAT, but the possible associated RAT is taken as the first one to be checked by the MS.
- It is intentional that in steps ii and iii the MS shall only select the indicated PLMN + RAT combinations in priority order. So PLMN which may be found in some other than the associated RAT must not be selected. Scanning the PLMNs is MS implementation specific but the MS should limit its search to the indicated RAT(s) to save time.
- To be checked whether in background scan the MS is searching just for higher priority PLMN and if the RAT is irrelevant or not?

Conclusion : Rejected

N1-021134 : 23.122v410 CR#043, Siemens, Type: CR , Title: Role of the Access Technology in the PLMN selection priority

Discussion : The following was agreed to be the case:

- It is intentional that the HPLMN should be selected, if available on any supported RAT, but the possible associated RAT is taken as the first one to be checked by the MS.
- It is intentional that in steps ii and iii the MS shall only select the indicated PLMN + RAT combinations in priority order. So PLMN which may be found in some other than the associated RAT must not be selected. Scanning the PLMNs is MS implementation specific but the MS should limit its search to the indicated RAT(s) to save time.

To be checked whether in background scan the MS is searching just for higher priority PLMN and if the RAT is irrelevant or not?

Conclusion : Rejected

N1-021135 : 23.122v370 CR#044, Siemens, Type: CR , Title: Usage of the "RPLMN Last used Access Technology" information

Discussion : It is clarified that the Access Technology information stored in the "RPLMN Last used Access Technology" data field on the SIM allows the MS to decide on which Access Technology to start the PLMN search.

RAT associated to RPLMN is not PLMN selection criteria, but just a hint to the MS where to start search with the most likely hit.

Conclusion : Rejected

N1-021136 : 23.122v410 CR#045, Siemens, Type: CR , Title: Usage of the "RPLMN Last used Access Technology" information

Discussion : RAT associated to RPLMN is not PLMN selection criteria, but just a hint to the MS where to start search with the most likely hit.

Conclusion : Rejected

N1-021137 : 24.008v3b0 CR#616, Siemens, Type: CR , Title: Conditions when to update the "RPLMN Last used Access Technology" information

Discussion : It is not specified when the MS shall update the $EF_{RPLMNACT}$ (RPLMN Last used Access Technology) defined in 11.11 and 31.102. As the LAI and thus the RPLMN is stored once the LU is accepted by the network on the SIM/USIM, it is proposed to also store the Access Technology in this point in time.

Contradiction to 31.102 ? Not acceptable as correction on frozen release.

Conclusion : Rejected

N1-021138 : 24.008v460 CR#617, Siemens, Type: CR , Title: Conditions when to update the "RPLMN Last used Access Technology" information

Discussion : Not acceptable as correction on frozen release.

Conclusion : Rejected

N1-021139 : 24.008v530 CR#618, Siemens, Type: CR , Title: Conditions when to update the "RPLMN Last used Access Technology" information

Discussion : Change the category to F when revising due to optional requirement instead of the mandatory 'shall'.

Conclusion : Revised to 1407

N1-021407 : 24.008v530 CR#618r1, Siemens, Type: CR , Title: Conditions when to update the "RPLMN Last used Access Technology" information

Discussion :

Conclusion : Agreed

N1-021140 : 23.122v370 CR#046, Siemens, Type: CR , Title: Role of the equivalent PLMNs list in the PLMN user reselection

Discussion : Up to now it is not defined whether the ePLMN list shall be used for the PLMN user re-selection. As the aim of the PLMN user re-selection is to select a PLMN different to the current one, and the PLMN(s) in the ePLMN list shall be considered as equivalent to the current PLMN, the new alternative PLMN should not be one of those listed in the ePLMN list.

No serious error indicated for R99 and Rel-4. Therefore not beneficial for Rel-5 either ? It was agreed to be intentional that the ePLMN list does not affect the user reselection procedure.

Conclusion : *Rejected*

N1-021141 : 23.122v410 CR#047, Siemens, Type: CR , Title: Role of the equivalent PLMNs list in the PLMN user reselection

Discussion :

Conclusion : *Rejected*

N1-021408 : 23.122v410 CR#048, Siemens, Type: CR , Title: Role of the equivalent PLMNs list in the PLMN user reselection

Discussion : For Rel-5 the clarification not to apply the ePLMN list to user reselection in automatic network selection mode was agreed to be an improvement. Statement only needed once.

Conclusion : *Agreed*

N1-021191 : 44.001v400 CR#001, CN1 secretary, Type: CR , Title: Various clean-up of wrong references

Discussion :

Conclusion : *Agreed*

N1-021192 : 24.007v380 CR#052, CN1 secretary, Type: CR , Title: Various clean-up of wrong references, eg towards 04.18 and 23.171

Discussion : This is acceptable as update of references but all references to PDS (packet data on signalling channels) should be removed now that all the related TSs have been withdrawn from R99 and rel-4. The necessary cleanup for such deletion in the body will be included in this CR.

Conclusion : *Revised to 1366*

N1-0211366 : 24.007v380 CR#052r1, CN1 secretary, Type: CR , Title: Various clean-up of wrong references, eg towards 04.18 and 23.171

Discussion :

Conclusion : *Agreed*

N1-021193 : 24.007v410 CR#053, CN1 secretary, Type: CR , Title: Various clean-up of wrong references, eg towards 44.018 and 23.271

Discussion : This is acceptable as update of references but all references to PDS (packet data on signalling channels) should be removed now that all the related TSs have been withdrawn from R99 and rel-4. The necessary cleanup for such deletion in the body will be included in this CR.

Conclusion : *Revised to 1367*

N1-021367 : 24.007v410 CR#053r1, CN1 secretary, Type: CR , Title: Various clean-up of wrong references, eg towards 44.018 and 23.271

Discussion :

Conclusion : *Agreed*

N1-021194 : 24.008v530 CR#619, Siemens, Type: CR , Title: SIM removal and change of RA during detach procedure

Discussion : If during a MS initiated detach procedure, which was triggered by a SIM removal the MS changes into a cell of a new routing area the detach procedure shall be aborted.

The reference version indicated on the cover sheet is incorrect but the contents comes from the correct Rel-5 document. Postponed for offline discussions.

Conclusion : *Revised to 1409*

N1-021409 : 24.008v530 CR#619r1, Siemens, Type: CR , Title: SIM removal and change of RA during detach procedure

Discussion :

Conclusion : *Agreed*

N1-021208 : Nortel, Type: DISCUSSION , Title: Restrict mobile use of the SGSN bit for EDGE

Discussion : Nortel requests CN1 to agree that the MS shall NOT look at the SGSN revision bit to determine whether the SGSN supports EDGE. The MS shall only look at the GPRS Cell Options IE to determine whether EDGE is supported in the network or not, and send a Liaison to the relevant GERAN WG indicating a possible CN1 agreement. In addition Nortel suggests CN1 to discuss whether the use of two bits to indicate all aspects of the MSC and SGSN revision level is appropriate. More flexibility may be provided by using the approach of “attempt and detect failure”, used in previous versions of DTAP, or possibly a separate version control for different packages, used in MAP.

If the serving network indicates EDGE support in Cell options but no R99 support, then how is the UE behaviour affected? The proposal was that it should not affect the UE.

MS RAC parameters have been extended since R97 and a R97 compliant SGSN is allowed to handle just the length it is aware of . At least this part of R99 behaviour must be supported by the network.

Since there is no accompanying CR it will be after CN#16, and the question is if these would go into the category of essential corrections. Cherry-picking has normally been rejected to be specified. Regardless of some support for the EDGE proposal not to look at the bit, it seemed as no support for a CR. However it was said that no CR was necessary to implement the new principle. The commercial aspect and implementation is something outside a possible conclusion.

Conclusion : *Noted and LS OUT in 1477 by Jeremy*

N1-021220 : 44.068v420 CR#003, CN1 secretary, Type: CR , Title: Various clean-up of wrong references, eg towards 44.018

Discussion : Section 7.5 a reference to comprehension should be to 24.007, but it is pointed to from 24.008. 8.3a should be changed to 04.18 for TMSI.

Conclusion : *Revised to 1368*

N1-021368 : 44.068v420 CR#003r1, CN1 secretary, Type: CR , Title: Various clean-up of wrong references, eg towards 44.018

Discussion :

Conclusion : *Agreed*

N1-021221 : 44.069v420 CR#003, CN1 secretary, Type: CR , Title: Various clean-up of wrong references, eg towards 44.018

Discussion : 8.3a should remain as 44.018 for TMSI.

Conclusion : *Revised to 1369*

N1-021369 : 44.069v420 CR#003r1, CN1 secretary, Type: CR , Title: Various clean-up of wrong references, eg towards 44.018

Discussion :

Conclusion : Agreed

N1-021235 : Motorola, Type: DISCUSSION, Title: Use of cause #14 in HPLMN

Discussion : If HPLMN sends #14 the MS can not take this seriously as the HPLMN shall not be stored on forbidden PLMN (for GPRS services) list. The explanation was agreed upon, and was said also to be written in subclause 3.11 last sentence in 23.122. But not covering the situation described, so insufficient documented.

It is agreed that the proposed analysis on use of GMM cause#14 in HPLMN is that HPLMN shall not send cause#14 to its own subscribers. If HPLMN sends #14 the MS can not take this rejection cause seriously, since its HPLMN shall not be stored on forbidden PLMN list (for GPRS services) as specified in 23.122 clause 3.1. No CR is needed for this clarification.

Conclusion : Noted

N1-021236 : 24.008v3b0 CR#623, Ericsson, Type: CR, Title: Conflicting behaviour when UE receives AUTHENTICATION_REJECT

Discussion : TS 33.102 (Stage 2 on Security) is clear that the PS and CS domain should be treated as independent, - security aspects on one domain does not impact or relate to the security aspects of the other domain. In 24.008, within the sections on Authentication Procedures, ie sec. 4.3.2.5., this stage 2 requirement is maintained. However, in 24.008, sec. 4.1.1.2.1 and 4.1.1.2.2., there are contradicting requirements stating that should the CS domain of the UE receive an AUTHENTICATION_REJECT in an Authentication procedure, actions thus taken should likewise be for the PS domain. This clearly conflicts with other parts of 24.008 and to 33.102.

Align with architecture was intended and that 4.3.2.5 says separation is OK, which contradicts 4.1.1.2.1/2 coupling. The other view was that complete decoupling would require walkthrough of other MM and GMM procedures for GMM not impacting MM (MM can impact GMM in some cases), and could require going back to R97 specifications. For Rel-5 this functionality separation was seen acceptable from several, but either way seems acceptable. But even R99 MSs needs to implement one way or the other. The coupling was preferred so in 4.3.2.5 the decoupling sentence is removed.

Conclusion : Revised to 1370

N1-021370 : 24.008v3b0 CR#623r1, Ericsson, Type: CR, Title: Conflicting behaviour when UE receives AUTHENTICATION_REJECT

Discussion :

Conclusion : Agreed

N1-021237 : 24.008v460 CR#624, Ericsson, Type: CR, Title: Conflicting behaviour when UE receives AUTHENTICATION_REJECT

Discussion :

Conclusion : Revised to 1371

N1-021371 : 24.008v460 CR#624r1, Ericsson, Type: CR, Title: Conflicting behaviour when UE receives AUTHENTICATION_REJECT

Discussion :

Conclusion : Agreed

N1-021238 : 24.008v530 CR#625, Ericsson, Type: CR, Title: Conflicting behaviour when UE receives AUTHENTICATION_REJECT

Discussion :

Conclusion : Revised to 1372

N1-021372 : 24.008v530 CR#625r1, Ericsson, Type: CR, Title: Conflicting behaviour when UE receives AUTHENTICATION_REJECT

Discussion :

Conclusion : Agreed

N1-021269 : 09.94v450 CR#A010, Nokia, Type: CR , Title: QoS IE length

Discussion : Phase2 TR. One R97 ME implementation is known to handle QoS as fixed length IE and therefore it can not access R99 and later GPRS networks. It was not seen feasible in CN1 #23 to change the core specification due to this and therefore this specific mobile station problem needs to be described in the appropriate TR to document a workaround solution. SGSN can provide a workaround solution to overcome the problem by sending only the first 5 QoS octets to pre-R99 mobile stations. The workaround is defined in the latest version of the TR, the older versions only give a pointer to the currently latest version. Only one version of 09.94 did exist and this GSM phase 2 covered all releases. The intention is to keep just one version of the document but this should always be the latest one. The principle of creating corresponding RAN document and the scope of the document were agreed in RAN #14, tdoc RP-010928.

As it is R97 mobile the secondary PDP context and network initiated procedure can not be in the justification. Correct the TS number from 49.994 to 29.994. For Release 6 the contents will be taken from Rel-5, and Rel-5 pointing to Rel-6.

Conclusion : *Revised to 1373*

N1-021373 : 09.94v450 CR#A010r1, Nokia, Type: CR , Title: QoS IE length

Discussion :

Conclusion : *Revised to 1491*

N1-021491 : 09.94v450 CR#A010r2, Nokia, Type: CR , Title: QoS IE length

Discussion :

Conclusion : *Agreed*

N1-021283 : 09.94v450 CR#A011, Nokia, Type: CR , Title: QoS IE length

Discussion : R96 TR.

Conclusion : *Revised to 1375*

N1-021375 : 09.94v450 CR#A011r1, Nokia, Type: CR , Title: QoS IE length

Discussion : R96 TR.

Conclusion : *Revised to 1493*

N1-021493 : 09.94v450 CR#A011r2, Nokia, Type: CR , Title: QoS IE length

Discussion : R96 TR.

Conclusion : *Agreed*

N1-021284 : 09.94v450 CR#A012, Nokia, Type: CR , Title: QoS IE length

Discussion : R97 TR.

Conclusion : *Revised to 1376*

N1-021376 : 09.94v450 CR#A012r1, Nokia, Type: CR , Title: QoS IE length

Discussion : R97 TR.

Conclusion : *Revised to 1494*

N1-021494 : 09.94v450 CR#A012r2, Nokia, Type: CR , Title: QoS IE length

Discussion : R97 TR.

Conclusion : *Agreed*

N1-021285 : 09.94v450 CR#A013, Nokia, Type: CR , Title: QoS IE length

Discussion : R98 TR.

Conclusion : Revised to 1377

N1-021377 : 09.94v450 CR#A013r1, Nokia, Type: CR , Title: QoS IE length

Discussion : R98 TR.

Conclusion : Revised to 1495

N1-021495 : 09.94v450 CR#A013r2, Nokia, Type: CR , Title: QoS IE length

Discussion : R98 TR.

Conclusion : Agreed

N1-021286 : 29.994v450 CR#A014, Nokia, Type: CR , Title: QoS IE length

Discussion : R99 TR.

Conclusion : Revised to 1378

N1-021378 : 29.994v450 CR#A014r1, Nokia, Type: CR , Title: QoS IE length

Discussion : R99 TR.

Conclusion : Revised to 1496

N1-021496 : 29.994v450 CR#A014r2, Nokia, Type: CR , Title: QoS IE length

Discussion : R99 TR.

Conclusion : Agreed

N1-021287 : 29.994v450 CR#A015, Nokia, Type: CR , Title: QoS IE length

Discussion : Rel-4 TR.

Conclusion : Revised to 1379

N1-021379 : 29.994v450 CR#A015r1, Nokia, Type: CR , Title: QoS IE length

Discussion : Rel-4 TR.

Conclusion : Revised to 1497

N1-021497 : 29.994v450 CR#A015r2, Nokia, Type: CR , Title: QoS IE length

Discussion : Rel-4 TR.

Conclusion : Agreed

N1-021270 : 29.994v450 CR#A016, Nokia, Type: CR , Title: QoS IE length

Discussion : Rel-5 TR.

Conclusion : Revised to 1374

N1-021374 : 29.994v450 CR#A016r1, Nokia, Type: CR , Title: QoS IE length

Discussion : Rel-5 TR. This was first revised to 1492, but later found to be the correct way to do the documentation.

Conclusion : Agreed

N1-021492 : 29.994v450 CR#A016r2, Nokia, Type: CR , Title: QoS IE length

Discussion : Rel-5 TR. Revised from 1270 and 1374. Not available.

Conclusion : Withdrawn

N1-021272 : Siemens, Type: DISCUSSION, Title: Impact of regional roaming restrictions on the MM state

Discussion : With the current text in TS 24.008 an MS in MS operation mode A will run into a problem when it operates in a R99 or Rel-4 network, has a CS call ongoing and is handed over to a cell in which regional roaming restrictions apply. When the MS tries to perform a normal routing area update, GPRS attach, or service request procedure, it will be rejected by the SGSN. According to the procedures specified in subclause 4.7 the MS then has to return to MM state MM idle, i.e. it has to drop the CS call. The problem occurs also, if the MS is handed over from a GSM cell where it is operating in MS operation mode B to a UMTS cell where it changes to MS operation mode A. According to TS 24.008, subclause 4.7.1.7c) the MS will perform a normal routing area update to resume GPRS services and will be rejected by the SGSN. A proposal to correct the reaction of the MS when it receives one of the GMM reject causes #11, #12, #13, and #15 related to regional roaming restrictions. If the MS is in operation mode A and a CS transaction is ongoing, then the CS transaction shall be maintained and the CS related tasks (deletion of TMSI, LAI, and CKSN; return to MS state MM idle) and the cell or PLMN selection currently specified for such a situation shall be postponed until the CS transaction is released, e.g. by a normal, user-initiated release. The subscriber will not be able to use GPRS services as long as he stays in the cell. However, in case of receipt of GMM reject cause #13 and #15, he will be able to keep the PDP contexts, and when the MS is handed over to another location area or PLMN, the MS will, dependent on the reject cause received and on the GMM state (GMM-DEREGISTERED.LIMITED-SERVICE or GMM-REGISTERED.LIMITED-SERVICE), perform a GPRS attach or routing area update and return to service as soon as possible.

The essentiality of this was questioned and the response was that this error of losing the CS call could occur more frequent. The network needs to know when to keep the CS call at handover from BSS to RNC. Some operators supported that the scenario was quite likely, and would like to see the corrections from R99. For other cause values like 3, 6 and 8 the CS call is proposed dropped. But is this possible in case of emergency call ?

Conclusion : Noted

N1-021273 : 24.008v3b0 CR#627, Siemens, Type: CR , Title: Impact of regional roaming restrictions on the MM state

Discussion :

Conclusion : Revised to 1386

N1-021386 : 24.008v3b0 CR#627r1, Siemens, Type: CR , Title: Impact of regional roaming restrictions on the MM state

Discussion :

Conclusion : Agreed

N1-021274 : 24.008v460 CR#628, Siemens, Type: CR , Title: Impact of regional roaming restrictions on the MM state

Discussion :

Conclusion : Revised to 1387

N1-021387 : 24.008v460 CR#628r1, Siemens, Type: CR , Title: Impact of regional roaming restrictions on the MM state

Discussion :

Conclusion : Agreed

N1-021275 : 24.008v530, CR#592r1, Siemens, Type: CR , Title: Impact of regional roaming restrictions on the MM state

Discussion :

Conclusion : Revised to 1388

N1-021388 : 24.008v530, CR#592r2, Siemens, Type: CR , Title: Impact of regional roaming restrictions on the MM state

Discussion :

Conclusion : Agreed

N1-021276 : 24.008v3b0 CR#576r3, Siemens, Type: CR , Title: Authentication not accepted by MS

Discussion : There are two alternative criteria for the MS to reject the network during authentication, MAC failure and invalid SQN. The network is only given two attempts and after that the MS marks the cell as barred. According to 4.7.7.5.1 f) and g), if one of these is met, then the MS shall start a timer to await for a new authentication and then see if the second try was successful. But only the case of two subsequent errors being similar is covered. There is no specification about MAC failure after invalid SQN or vice versa. Note that the sequence 'MAC failure', 'invalid SQN' should not be taken as an indication of a fake network, because it is a possible scenario in a regular network and the 3rd authentication attempt might well be successful.

Also the RR connection is released according to information from RAN in the LS IN in 0683. This will be incorporated with 'should' in R99 and Rel-4, and 'shall' for Rel-5 to drop the RR connection. CR seen essential due to security aspect.

Conclusion : Revised to 1389

N1-021389 : 24.008v3b0 CR#576r4, Siemens, Type: CR , Title: Authentication not accepted by MS

Discussion :

Conclusion : Agreed

N1-021277 : 24.008v460 CR#577r3, Siemens, Type: CR , Title: Authentication not accepted by MS

Discussion :

Conclusion : Revised to 1390

N1-021390 : 24.008v460 CR#577r4, Siemens, Type: CR , Title: Authentication not accepted by MS

Discussion :

Conclusion : Agreed

N1-021278 : 24.008v530 CR#578r2, Siemens, Type: CR , Title: Authentication not accepted by MS

Discussion : The 'shall' is already incorporated. Should this apply to AUTHENTICATION REQUEST for CS side also? Already made,- to be checked offline.

Conclusion : Agreed

N1-021280 : 23.009v390 CR#069, Siemens, Type: CR , Title: Clarification of the end of supervision after inter-MS handover

Discussion : It is clarified that after cancellation of a subsequent inter-MS handover/ relocation the supervision continues and the protocol used before the unsuccessful handover attempt (BSSAP or RANAP) shall apply on the E-interface. Coverage WI to be corrected by MCC as it was stated when requesting the Tdocnumber,- not TEI. This 23.009 set of CRs must be taken to CN4 as well before CN#16,- was endorsed by CN4 during the meeting.

Conclusion : Agreed

N1-021281 : 23.009v430 CR#070, Siemens, Type: CR , Title: Clarification of the end of supervision after inter-MS handover

Discussion : Coverage WI corrected directly. This 23.009 set of CRs must be taken to CN4 as well before CN#16.

Conclusion : Agreed

N1-021282 : 23.009v500 CR#071, Siemens, Type: CR , Title: Clarification of the end of supervision after inter-MS handover

Discussion : Coverage WI corrected directly. This 23.009 set of CRs must be taken to CN4 as well before CN#16.

Conclusion : Agreed

N1-021290 : 23.009v430 CR#072, Nokia, Type: CR , Title: Correction for Inter-MS relocation procedure due to multiple codecs

Discussion : Currently it is defined in 23.009 that during inter-MSC relocation '3G_MSC-A shall configure the RANAP RAB parameters according to the current selected codec.' However, since this codec is not indicated to 3G_MSC-B, it has no possibility to know which codec is in question. Any method based on reverse deducing of the codec (i.e. based on received RAB parameters) in 3G_MSC-B is not seen viable, since it is possible that similar RAB parameters result from different codecs. Note that it is essential for 3G-MSC-B to know the currently used codec to be able to allocate a correct transcoder in 3G_MSC/MGW. In Rel99 this problem does not exist since UMTS_AMR is the only possible codec. However, in Rel4 other codecs are possible as well and the currently specified relocation procedure is clearly requiring a correction.

The same information is needed for other handover cases than the modifications done. Backward compatibility is needed for R99. A CN4 change to MAP application context to be provided later, and this CR to be endorsed by CN4 if agreed in CN1 ?

Conclusion : Revised to1391

N1-021391 : 23.009v430 CR#072r1, Nokia, Type: CR , Title: Correction for Inter-MSC relocation procedure due to multiple codecs

Discussion : This 23.009 set of CRs must be taken to CN4 as well before CN#16.

Conclusion : Postponed

N1-021291 : 23.009v500 CR#073, Nokia, Type: CR , Title: Correction for Inter-MSC relocation procedure due to multiple codecs

Discussion :

Conclusion : Revised to1392

N1-021392 : 23.009v500 CR#073r1, Nokia, Type: CR , Title: Correction for Inter-MSC relocation procedure due to multiple codecs

Discussion : This 23.009 set of CRs must be taken to CN4 as well before CN#16.

Conclusion : Postponed

N1-021309 : 24.008v530 CR#589r1, Siemens, Type: CR, Title: Indication of support of LCS via the PS domain in Iu-mode

Discussion : The CR489r2 introduced the indication of the support of LCS via PS domain by the core network in A/Gb-mode. The support of LCS by the core network in Iu-mode may not be granted at the same time. It is necessary to have separate indications for A/Gb-mode and Iu-mode for the support of LCS via PS domain.

SS protocol on packet side started with Rel-5 (?), so therefore no R99 or Rel-4 CR(?) is needed. RadioPriority2 IE is only sent through attach procedure and not usefull, so a new IE is needed. If no indication is given the non-support of SS protocol is notified after a long timeout and the subscriber might do repeated attempts eg. after change of SGSN.

Conclusion : Revised to 1468

N1-021468 : 24.008v530 CR#589r2, Siemens, Type: CR, Title: Indication of support of LCS via the PS domain in Iu-mode

Discussion : Why is not 4.7 modified? Forgotten. Also the support of LCS in Gb mode should be included in the new IE. This CR is also of concern of Rel-4.

Conclusion : Rejected

N1-021310 : 04.65v820 CR#A075, Siemens, Type: CR, Title: Handling of multiple header compression algorithms

Discussion : The peer entity of the XID negotiation shall accept only one header compression algorithm for an NSAPI. This is either RFC1144 or RFC2507. The algorithm of RFC2507 should be preferred, if both algorithms are supported by the peer entity.

The CR was not seen needed, since the MS would not send indication for more than one algorithm. Are the referenced RFCs already mentioned in the list of references in the TS? If initiated by the SGSN the possibility to have the two possibilities is present. The CR was seen as an improvement but maybe only possible for Rel-5.

Conclusion : Rejected

N1-021339 : 44.065v420 CR#003, Siemens, Type: CR, Title: Handling of multiple header compression algorithms

Discussion :

Conclusion : Rejected

N1-021314 : 23.009v390 CR#075, Ericsson, Type: CR, Title: Handling of Service Handover parameter in non-anchor

Discussion : The Service Handover parameters in BSSMAP and RANAP are used to instruct the BSC/RNC to "try to avoid", "never perform" or "perform as soon as possible" an intersystem Handover. The Service Based Handover functionality should be kept under control of Anchor-MSC for a number of reasons. Anchor MSC is by definition the MSC in control of the handed over call. When the handed over call is an Emergency Call, the non-anchor MSC would not be informed of this, and consequently may choose a "never perform" type of Service Based Handover resulting in a teardown of the emergency call in case an inter-system handover is necessary. The value of the Service Based Handover parameter might be subscription dependent. For example an operator might want to allow own GSM subscribers to be handed over from GSM to UMTS but not roaming subscribers. Currently this functionality cannot be kept under control of anchor MSC after an Inter-MSC G2U since the RANAP parameter to be sent to the RNC cannot be derived from the corresponding BSSMAP parameter in BSSMAP Handover Request encapsulated in Prepare Handover. Moreover if an Inter-MSC U2U, U2G or G2G has been completed, then again after a subsequent intra-MSC Inter-System handover the correct Service Handover parameter cannot be derived by non-anchor from the corresponding parameter received over the E interface. This will be corrected in 29.002 by means of adding the Service Handover parameters to the MAP Prepare Handover Request. Handling by non-anchor MSC needs to be clarified in 23.009.

The limitation to intra-PLMN case needs to be addressed, since access technology should not be controlled by PLMN A in PLMN B network. The SDLs are not affected. This needs to be forwarded to CN4 for endorsement.

Conclusion : Revised to 1393

N1-021393 : 23.009v390 CR#075r1, Ericsson, Type: CR, Title: Handling of Service Handover parameter in non-anchor

Discussion : This needs to be forwarded to CN4 for endorsement.

Conclusion : Agreed

N1-021315 : 23.009v430 CR#076, Ericsson, Type: CR, Title: Handling of Service Handover parameter in non-anchor

Discussion :

Conclusion : Revised to 1394

N1-021394 : 23.009v430 CR#076r1, Ericsson, Type: CR, Title: Handling of Service Handover parameter in non-anchor

Discussion : This needs to be forwarded to CN4 for endorsement.

Conclusion : Agreed

N1-021316 : 23.009v500 CR#077, Ericsson, Type: CR, Title: Handling of Service Handover parameter in non-anchor

Discussion :

Conclusion : Revised to 1395

N1-021395 : 23.009v500 CR#077r1, Ericsson, Type: CR, Title: Handling of Service Handover parameter in non-anchor

Discussion : This needs to be forwarded to CN4 for endorsement.

Conclusion : Agreed

N1-021326 : 29.016v400 CR#006, CN1 secretary, Type: CR, Title: Various clean-up of wrong references

Discussion :

Conclusion : Agreed

N1-021340 : 24.007v380 CR#046r2, GERAN, Type: CR, Title: RR protocol message type octet

Discussion : 24.007 assumes that only bits 1-6 are used for the message type indication in L3 protocols. However, RR protocol has already run out of 6-bit message type code points, and therefore 7 bits are already used for the RR message types. This makes the current 24.007 text not applicable to RR protocol. This CR was split out of GERAN LS in N1-021114. GERAN proposes to revise N1-020885 which was agreed in CN1 #23.

Conclusion : Agreed

N1-021341 : 24.007v410 CR#047r2, GERAN, Type: CR, Title: RR protocol message type octet

Discussion : This CR was split out of GERAN LS in N1-021114. GERAN proposes to revise N1-020885 which was agreed in CN1 #23.

Conclusion : Agreed

N1-021344 : 44.013v400 CR#001, CN1 secretary, Type: CR, Title: Various clean-up of wrong references, eg towards 44.018

Discussion :**Conclusion : Agreed**

N1-021345 : 24.008v3b0 CR#637, Siemens, Type: CR, Title: Alternative coding of radio access capabilities

Discussion : A new list of Additional access technologies struct is introduced. It contains just those capabilities which are different from Access technology to Access Technology. This structure contains always the Access Technology Type, the GMSK Power Capability and the 8PSK Power Capability. It is proposed to define that the MS is allowed to exclude the CS parameters: A5bits, HSCSD, ECSD, SMS_VALUE and SM_VALUE.

This CR was split out of GERAN LS in N1-021117. Where is it defined that the first access technology must be a 'classic' encoding ? Some text and CSN1 error to update.

Conclusion : Revised to 1396

N1-021396 : 24.008v3b0 CR#637r1, Siemens, Type: CR, Title: Alternative coding of radio access capabilities

Discussion : This CR was split out of GERAN LS in N1-021117.

Conclusion : Agreed

N1-021346 : 24.008v460 CR#638, Siemens, Type: CR, Title: Alternative coding of radio access capabilities

Discussion :**Conclusion : Revised to 1397**

N1-021397 : 24.008v460 CR#638r1, Siemens, Type: CR, Title: Alternative coding of radio access capabilities

Discussion : This CR was split out of GERAN LS in N1-021117.

Conclusion : Agreed

N1-021347 : 24.008v530 CR#639, Siemens, Type: CR, Title: Alternative coding of radio access capabilities

Discussion :**Conclusion : Revised to 1398**

N1-021398 : 24.008v530 CR#639r1, Siemens, Type: CR, Title: Alternative coding of radio access capabilities

Discussion : This CR was split out of GERAN LS in N1-021117.

Conclusion : Agreed

N1-021348 : 23.014v310 CR#004r1, ETSI- NEC T. (UK), Type: CR, Title: Dual Tone Multi-Frequency signalling : Support in the whole 3GPP system, and editorial modifications.

Discussion : Nobody to present it.

Conclusion : *Not treated*

N1-021349 : 23.014v400 CR#005, ETSI- NEC T. (UK), Type: CR, Title: Dual Tone Multi-Frequency signalling : Support in the whole 3GPP system, and editorial modifications.

Discussion : Nobody to present it.

Conclusion : *Not treated*

6 VOID. (Joint session on IMS)

7 Release 5

7.1 Non-IMS Rel-5 corrections

N1-021128 : 24.008v530 CR#561r2, Siemens, Type: CR, Title: MM behaviour in case of a combined attach reject for the PS service

Discussion :

Conclusion : *Not treated*

N1-021241 : 23.009v500 CR#068, Ericsson, Type: CR , Title: Support for Access Rights in the non anchor

Discussion : See discussion papers N1-021312-313 and proposed WID in N1-021240. Not presented.

Conclusion : *Revised to 1410*

N1-021410 : 23.009v500 CR#068r1, Ericsson, Type: CR , Title: Support for Access Rights in the non anchor

Discussion : See discussion papers N1-021312-1412 and proposed WID in N1-021240. Access right information resides in the CN node. It is transferred to the radio access network via Iu interface where it is used for selection of the target cell for handover. During the inter-MSC handover, the access right information is sent from the anchor to the non anchor and passed to the radio access network by the non anchor. When a subscriber is to be handed over to an area where the access right information has different meaning, it has to be overwritten by the non-anchor MSC. For emergency calls no access rights information applies. This CR proposes to specify the handling of the access rights with respect to the handover/relocation.

Some additional text discussed, and also consider why only CS is described.

Conclusion : *Revised to 1430*

N1-021430 : 23.009v500 CR#068r2, Ericsson, Type: CR , Title: Support for Access Rights in the non anchor

Discussion : Due to missing RAN3 decision on the principle now, it is proposed to take these CRs directly to the plenary in CN#16, but it was requested to make the CN1 decision consistent with CN4 decisions.

Conclusion : *Withdrawn*

N1-021279 : 24.008v530 CR#626, Siemens, Type: CR , Title: Correction of definition of SSD in QoS IE

Discussion : Octet 14 is spare when sent in downlink direction. 1337 is related.

Why it is different for up- and downlink was questioned. The network should encode and decode same length.

Conclusion : Agreed

N1-021292 : 23.009v500 CR#074, Nokia, Type: CR , Title: Clarification that Multicall is not supported in GERAN Iu-mode

Discussion : During CN1#23 it was agreed that Multicall is not applicable in GERAN Iu-mode (see response to incoming LS from SA1 in Tdoc N1-020874). This CR implements this decision into Multicall handover procedures.

Could the sentence be moved further down to be more logical. A Rel-5 WI is needed,- use TEI5.

Conclusion : Revised to 1426

N1-021426 : 23.009v500 CR#074r1, Nokia, Type: CR , Title: Clarification that Multicall is not supported in GERAN Iu-mode

Discussion :

Conclusion : Agreed

N1-021293 : 23.034v400 CR#006, Nokia, Type: CR , Title: Support of HSCSD in GERAN Iu-mode

Discussion : Withdrawn before the meeting. Not available.

Conclusion : Withdrawn

N1-021308 : 24.008v530 CR#631, Siemens, Type: CR , Title: Addition of missing references to TS 25.304

Discussion : Subclause 4.2 contains only references to GERAN specific standards for cell (re-)selection. References to the UTRAN specific standard for cell (re-)selection, TS 25.304, are missing.

Conclusion : Agreed

N1-021312 : 23.221v540 CR#029, Ericsson, Type: INFORMATION , Title: Modifications for the support of connected mode behaviour in Network sharing scenarios

Discussion : Not approved in SA2 yet.

Conclusion : Noted

N1-021313 : Ericsson, Type: DISCUSSION , Title: Network sharing: Impact on Architecture

Discussion : Not presented.

Conclusion : Revised to 1412

N1-021412 : Ericsson, Type: DISCUSSION , Title: Network sharing: Impact on Architecture

Discussion : A presentation document for understanding the concepts.

Conclusion : Noted

N1-021327 : 24.008v530 CR#632, Nokia, Type: CR , Title: DRX parameter update with RAU procedure

Discussion : The clause 4.7.5 does not allow MS to perform RAU procedure to update DRX parameter value. Some terminals may need to set different DRX parameter values for different applications. Signalling to do this is not specified in TS 24.008.

Why is only GSM considered ? It is not clear if the DRX parameter is applicable to UTRAN,- does not RRC cater for this. The network must accept such updates from the MS, but what about earlier releases where the network may discard/ignore an unexpected RAU. The DRX IE was optional also in R97, so that should be OK. Unsynchronization issue between MS and network in DRX values? None identified. Postponed for offline discussion. Delete 'GSM only' in the text was preferred, and some delegates would meanwhile a postponement check home if this is OK. Could the same apply also for earlier versions? Such updates of DRX with RAU is implementation dependant in the MS.

Conclusion : Revised to 1431

N1-021431 : 24.008v530 CR#632r1, Nokia, Type: CR , Title: DRX parameter update with RAU procedure

Discussion :

Conclusion : Agreed

N1-021333 : 24.008v530 CR#633, Vodafone, Type: CR , Title: Correction to SPLIT_PG_CYCLE values

Discussion :

Conclusion : Not available

N1-021337 : 24.008v530 CR#635, Fujitsu, Type: CR , Title: Clarification of QoS IE

Discussion : Source Statistics Descriptor field is added to QoS IE in Rel-5 so that the length of QoS IE was extended to 14 octets. The field is meaningful only in the direction from MS to NW. It is not clearly described how the field to be coded and treated in the direction from NW to MS. In addition, implementation should be allowed to send a QoS IE without Source Statistics Descriptor field to an MS which is obviously not supporting the field. In this case sending 14 octet of QoS IE is redundant and may cause a compatibility problem depending on the implementation of MS.

1279 is related. The intention is to have variable length 12-13 for downlink QoS IE. The MS should be compliant even if it does not know about the SSD octet. The network elements are already expected to support the specification versions up to their reference version. The length change on frozen spec. was not seen as a good approach.

Conclusion : Rejected

7.2 IMS documents for information

N1-021142 : Lucent T., Type: DISCUSSION , Title: IETF draft for original-dialog-id P-header

Discussion : Updated version of I-D presented for information. Further comments have been received on commonality with replaces header draft, being considered but not incorporated.

Conclusion : Noted

N1-021143 : Lucent T., Type: DISCUSSION , Title: IETF draft for charging-information P-header

Discussion : Updated version of I-D presented for information.

Conclusion : Noted

N1-021144: Lucent T., Type: DISCUSSION, Title: Summary of current IETF documents on SIP

Discussion : Completion dates are indicated.
Documentation for Privacy is changed from the existing privacy drafts. Should be used for basis for future.

Network-asserted-identity will not be available in bundle 3, but contents should be known by end of this week. Should be in bundle 4. Remote-party-id will now be asserted-id.

Refer draft has been split into two parts. Referred-by header will not make it by June.

Status of p-headers is not 100% certain, comments have been indicated but not received yet.

Reference to digest-aka is not included in 24.229 – it is needed.

Sec-agreed may be at risk due to comments in IETF but is formally still in batch 3.

CN plenary – will need to have a late conference call to discuss late CR's to reflect the IETF drafts to send direct into the CN plenary. Stephen Hayes has sent email to propose the procedure.

Conclusion : Noted

N1-021145 : Lucent T., Type: DISCUSSION, Title: Summary of current IETF documents on SIPING

Discussion : Requirements for identity in watson draft on NAI should define requirements for 3GPP.

Conclusion : Noted

N1-021146 : Lucent T., Type: DISCUSSION, Title: Summary of current IETF documents on MMUSIC

Discussion : The issue is whether SDPnew will make it in time or not. IESG want more time to review it, so it is not currently committed to bundle 3. It was noted that it has been moved to bundle 4 (June 13th).

Conclusion : Noted

N1-021147 : Lucent T., Type: DISCUSSION, Title: Summary of current IETF documents on SIMPLE

Discussion : No major changes.

Conclusion : Noted

N1-021148 : 24.229v500, Lucent T., Type: TS, Title: 3GPP TS 24.229 unofficial reference version CN1 #23 + SIP ad-hoc Madrid

Discussion :

Conclusion : Noted

N1-021149 : 24.229/24.228/23.218v500, Lucent T., Type: INFO, Title: Interaction status of CRs on IMS CCR deliverables

Discussion : Identifies all clashes from previously agreed CR's and CR's presented to this meeting, not including the first update disk.

Conclusion : Revised to 1406

N1-021406 : 24.229/24.228/23.218v500, Lucent T., Type: INFO, Title: Interaction status of CRs on IMS CCR deliverables

Discussion :

Conclusion : Revised to 1428

N1-021428 : 24.229/24.228/23.218v500, Lucent T., Type: INFO, Title: Interaction status of CRs on IMS CCR deliverables

Discussion : To be submitted later (after the meeting) as this is the summary of CRs impacting IMS specifications.

Conclusion : Noted

N1-021222 : 24.228v500, Nokia, Type: TS, Title: TS 24.228 v5.0.0+CN1#23+CN1#SIPadhoc

Discussion :

Conclusion : Noted

N1-021242 : 23.218v500, Dynamicsoft, Type: TS, Title: TS23.218 v5.0.0+CN1#23rev2,

Discussion :

Conclusion : Noted

N1-021255 : Ericsson, Type: INFO, Title: Internet Draft for P-Associated-URI

Discussion :

Conclusion : Noted

N1-021256 : Ericsson, Type: INFO, Title: Internet Draft for P-Called-Party-ID

Discussion :

Conclusion : Noted

N1-021257 : Ericsson, Type: INFO, Title: Internet Draft for P-Visited-Network-ID

Discussion :

Conclusion : Noted

N1-021271 : Siemens, Type: INFO, Title: Internet Draft: Registration state event package

Discussion :

Conclusion : Noted

7.3 IMS Registration

N1-021109 : 24.229v500 CR#060r4, Orange France, Type: CR, Title: Restructuring of S-CSCF Registration Sections

Discussion : Introduction of Subscription Locator Function Interrogation at S-CSCF: Subscription Locator Function has been introduced in stage 2 specification TS23.228 and in TS29.228 so that the HSS handling the subscription of a user can be found when there are several HSS in the Home network. This needs to be reflected in TS24.229. This CR covers S-CSCF case. CR081 (Tdoc N1-021108) covers I-CSCF case.

Several docs are revisions of the same CR#,- 1109, 1200, 1247, 1319.

Conclusion : Revised to 1432

N1-021432 : 24.229v500 CR#060r8, Orange France, Ericsson, NEC, Dynamicsoft, Type: CR, Title: Restructuring of S-CSCF Registration Sections

Discussion : Revision 4 added support for barred and non barred public user identities downloaded from the HSS, in order to support UICCs that do not contain the ISIM application. Several docs are revisions of the same CR#,- 1109, 1200, 1247, 1319, and all acceptable changes are merged into this version.

Questioned why P-Service-Route header makes the I-CSCF insert itself as topmost header regardless if it already was there? Some rewording was compromised.

Conclusion : Revised to 1507

N1-021507 : 24.229v500 CR#060r9, Orange France, Ericsson, NEC, Dynamicsoft, Type: CR, Title: Restructuring of S-CSCF Registration Sections

Discussion : Revision of 1432, but not presented. Revised from 1432 to take on more, but keeping 1432 if this falls.

Conclusion : Revised to 1511

N1-021511 : 24.229v500 CR#060r10, Orange France, Ericsson, NEC, Dynamicsoft, Type: CR, Title: Restructuring of S-CSCF Registration Sections

Discussion : Revised from 1432 to take on more, but keeping 1432 if this falls.

Conclusion : Agreed

N1-021200 : 24.229v500 CR#060r5, Ericsson, Type: CR, Title: Restructuring of S-CSCF Registration Sections

Discussion : Several docs are revisions of the same CR#,- 1109, 1200, 1247, 1319. Linked to 1199.

Conclusion : Revised to 1432

N1-021247 : 24.229v500 CR#060r6, Dynamicsoft, Type: CR, Title: Restructuring of S-CSCF Registration Sections

Discussion : Collision in clause 5.4 between N1-021247 and 1336. Several docs are revisions of the same CR#,- 1109, 1200, 1247, 1319. The Registration scenario needs modifying to align with the IETF Path and P-Service-Route headers.

Conclusion : Revised to 1432

N1-021319 : 24.229v500 CR#060r7, NEC, Type: CR, Title: Restructuring of S-CSCF Registration Sections

Discussion : Several docs are revisions of the same CR#,- 1109, 1200, 1247, 1319. In 5.4.1.2.1, Cx procedure name needs to be aligned with 29.229. Is server assignment the right procedure?

Conclusion : Revised to 1432

N1-021111 : 24.229v500 CR#082, H3G, Type: CR, Title: Introduction of Visited_Network_ID p-header

Discussion : The current version of 24.229 contains text in the XML body to support visited network identifier, but this is not used anywhere in the procedure text. It has also been decided that this functionality will now be supported via a SIP p-header to be defined in IETF. The procedures at the P-CSCF, and S-CSCF are modified to define when the P-Visited-Network-ID header is inserted or removed into a SIP request. The XML visited-network-id element and associated description are deleted.

The visited network identifier is optional and will be stored depending on the operator. This optionality was not agreed by all, and P-CSCF shall insert the header. Storing is not decided anywhere yet. 1167 is documented in the way that was acceptable for one operator, thus objecting to this CRs way of writing the needed update. What to put in 7.2 subclause should principally be that the syntacticals are not repeated from the p-header drafts. Only a list of references on this to the I-D is needed. Exceptionally this would need additional material depending on the respective drafts evolutions. Is the header in question only used for REGISTER request (more general use in p-header I-D). Yes, and here in the procedures this shall be stated and the header ignored when received in other messages than REGISTER (all types).

Conclusion : Revised to 1433

N1-021433 : 24.229v500 CR#082r1, H3G, Type: CR, Title: Introduction of Visited_Network_ID p-header

Discussion :

Conclusion : Agreed

N1-021150 : 24.229v500 CR#084, Lucent T., Type: CR, Title: MRFC register addresses

Discussion : MRFC procedures in 24.229 currently do not comment on whether or not the MRFC needs to register its addresses with a SIP Registrar (i.e. S-CSCF). However, it could be implied that the MRFC must register because it is identified as regular UA in subclause 4.1.

An earlier Ericsson discussion paper showed that it works whether the MRFC registers or not. It should be described as outside the scope of the spec. to find the address (configured or whatever).

Conclusion : Revised to 1434

N1-021434 : 24.229v500 CR#084r1, Lucent T., Type: CR, Title: MRFC register addresses

Discussion :

Conclusion : Agreed

N1-021196 : 24.228v500 CR#030, Siemens, Type: CR, Title: Correction of the subscription to the registration event package

Discussion : After registration, the UE subscribes to the registration event package in order to get notified of its implicitly registered public user ids and in order to enable the network to request re-authentication and notify the user about de-registered public user ids. Currently the presence event package is used for that purpose. At the CN WG1 adhoc in Madrid it was decided that a separate event package shall be created for that purpose. An informational Internet Draft (draft-beckmann-sip-reg-event-00) was submitted to IETF. This CR aligns 24.228 with the proposed new event package.

If an I-D do not reach RFC status,- the handling is to assume now that the drafts will succeed. If not a bugfix afterwards will be needed and acceptable. Some editorial changes are needed. Go via 24.229 and avoid referencing the packages.

Conclusion : Revised to 1435

N1-021435 : 24.228v500 CR#030r1, Siemens, Type: CR, Title: Correction of the subscription to the registration event package

Discussion :

Conclusion : Agreed

N1-021197 : 24.229v500 CR#114, Siemens, Type: CR, Title: Correction of the subscription to the registration event package

Discussion : Reference is added. Pointer to the draft describing the registration-state event package is added in the procedure description. The editors notes were argued to be left in or taken out now, but deletion would require many other CRs as well to be consistent. Other subclauses need the reference sentence as well ?

Conclusion : Revised to 1436

N1-021436 : 24.229v500 CR#114r1, Siemens, Type: CR, Title: Correction of the subscription to the registration event package

Discussion : Should follow the p-header format in a future revision of this CR. Missing the section 4.6 because no changes were identified by the author after having received comments to this. No changes were needed.

Conclusion : Agreed

N1-021211 : 24.229v500 CR#116, Nortel, Type: CR, Title: S-CSCF selection procedures

Discussion : Postponed until CN4 has made their decision. Replace the text describing the S-CSCF selection procedures in the I-CSCF with a reference to 29.228. The linking to another CR008 is not acceptable, and the change in bulletpoint one to replace the procedure definition with a reference to to 29.228 will be incorporated into 1454.

Conclusion : Rejected and replaced by 1454

N1-021217 : Ericsson, Type: INFO, Title: IMS signalling flag

Discussion : It is proposed to signal the IMS signalling flag to the GGSN within the PCO IE if the context is activated by an Activate PCP Context Request message. This will ensure that the GGSN will get the proper criteria for policing the context from the PDP context activation, and prevent possible frauds from misusing the context. The PCO IE is sent transparently over a pre Rel-5 SGSN in the Activate PDP Context Request message. It is further proposed to signal the IMS signalling flag to the GGSN within the TFT IE if the context is activated by an Activate Secondary PDP Context Request message. This will ensure that the GGSN will get the proper criteria for policing, and prevent possible frauds from misusing the context. The TFT IE is sent transparently over a pre Rel-5 SGSN in the Activate Secondary PDP Context Request message. Finally it is proposed to signal the IMS signalling flag to the GGSN within the TFT IE if the context is modified by a Modify PDP Context Request message. This will ensure that the GGSN will get the proper criteria for policing, and prevent possible frauds from misusing the context. The TFT IE is sent transparently over a pre Rel-5 SGSN in the Modify PDP Context Request message. See also 1212 –1214.

Conclusion : Noted

N1-021218 : 24.229v500 CR#040r5, Ericsson, Type: CR, Title: Introduction of IMS signalling flag

Discussion : It is proposed to set the IMS signalling flag (if used) and signal it to the GGSN in the PCO-IE at PDP context activation and in the TFT-IE at secondary PDP context activation and PDP context modification. It is also specified how the authorisation token shall be used at PDP context modification.

Corresponding Nortel CRs in 1213 – 1214. Editorial comments and offline comments to be incorporated.

Conclusion : Revised to 1437

N1-021437 : 24.229v500 CR#040r6, Ericsson, Type: CR, Title: Introduction of IMS signalling flag

Discussion : Can a PDP context be used for both signalling and media ? The dedicated and general context can both be indicated with signalling flag. Confusion on text and requirements leads to the acceptable text from here goes into 1486.

Conclusion : Rejected

N1-021219 : 24.008v530 CR#622, Ericsson, Type: CR, Title: PDP context modification procedure updated due to IMS

Discussion : Merged to 1475 to have a consistent CR for all PCO additions to messages.

Conclusion : Rejected and merged to 1475

N1-021245 : 24.228v500 CR#045, Dynamicsoft, Type: CR, Title: Update of Registration Flows to align with Path header, Service Route and RFC 3261

Discussion : Not presented.

Conclusion : **Revised to1382**

N1-021382 : 24.228v500 CR#045r1, Dynamicsoft, Type: CR, Title: Update of Registration Flows to align with Path header, Service Route and RFC 3261

Discussion : The CN1 working assumption needs to change in order to align with the change in path header. Voices were raised not to change working assumption at this late stage. Not presented, but offline tradeoffs will be tried.

Conclusion : **Revised to 1478**

N1-021478 : 24.228v500 CR#045r2, Dynamicsoft, Type: CR, Title: Update of Registration Flows to align with Path header, Service Route and RFC 3261

Discussion : Not available.

Conclusion : **Withdrawn**

N1-021246 : 24.229v500 CR#120, Dynamicsoft, Type: CR, Title: Alignment with IETF Path header and P-Service-Route

Discussion : Not presented.

Conclusion : **Revised to1383**

N1-021383 : 24.229v500 CR#120r1, Dynamicsoft, Type: CR, Title: Alignment with IETF Path header and P-Service-Route

Discussion : To align REGISTER and the registration procedures with IETF SIP.

Require may need to be changed. Again 5.4.3.2 shall go into 1454. Companies had already given notice on the first short introduction that changes to the working assumptions is not acceptable. Will the MS see path or not ? No.

Conclusion : **Rejected**

N1-021248 : 24.229v500 CR#028r4, Dynamicsoft, Type: CR, Title: Determination of MO / MT requests in I-CSCF(THIG)

Discussion :

Conclusion : **Agreed**

N1-021322 : 24.229v500 CR#126, Nokia, Type: CR, Title: Support for IMS access without ISIM application

Discussion : Proposed text explains that UE, which does not have ISIM application, shall derive the IMS identities from the parameters found from UICC. IMSI is used to create home domain name, public and private user identities.

Linked with 1199, 1200, 1249, 1250, 1329 and 1330, plus LS in 1106.

Conclusion : **Rejected**

N1-021329 : 23.003v520 Vodafone, Type: INFO, Title: Use of a Temporary Public User Identity

Discussion : Addition of conversion procedures in a new section on IMS.

3gppnetwork.org status,- is probably on the way to GSMassociation in a LS from SA2. So now should only a placeholder be defined. IMPI and IMPU was preferred changed to another names. 2 digit MNC, no hex. Linked with 1199, 1200, 1249, 1250, 1322 and 1330, plus LS in 1106.

Conclusion : **Revised to 1445 and a LS OUT to CN4 in 1446 by Duncan**

N1-021445 : 23.003v520 Vodafone, Type: INFO, Title: Use of a Temporary Public User Identity

Discussion : NAI form is optional, and take form by reference to the RFC 2486 clause 3 (user@realm). A SIP URL can be used in registration and can consist of (telephone) numbers.

Conclusion : Revised to1461

N1-021461 : 23.003v520 Vodafone, Type: INFO, Title: Use of a Temporary Public User Identity

Discussion :

Conclusion : Agreed in CN1 and passed to CN4 as owner of the 23.003 in LS OUT in 1446

N1-021330 : 24.228v500 CR#051, Vodafone, Type: CR, Title: Use of a Temporary Public User Identity

Discussion : SA2 have agreed the stage two for IMS access with a R99/Rel-4 USIM. In order to align with the stage two, it is now necessary to add an example of the use of the temporary public user identity in the initial registration procedure for non-hiding case.

Shall we have a flow on this and shall it be hijacked or inserted by a new flow ? A new flow is needed.

Conclusion : Rejected

N1-021338 : 24.008v530 CR#636, Ericsson, Type: CR, Title: Introduction of IMS signalling flag in TFT

Discussion : Limitations in 24.008 leads to the use of PCO and TFT to transfer the IMS signalling flag between the UE and the GGSN. The PCO will be used to transfer the flag in the primary PDP context activation and the TFT is used to transfer the flag in the secondary PDP context activation and the PDP context modification.

Could some data be transferred, eg policy additional to just the flag ? That would require an expansion to PCO later, but that data is not stored in the UE so it is questionable. The flag name should be as earlier. The rules when to use PCO or TFT with error handling was explained, since both are possible in one message.

Conclusion : Revised to 1438

N1-021438 : 24.008v530 CR#636r1, Ericsson, Type: CR, Title: Introduction of IMS signalling flag in TFT

Discussion : Due to options and unclarity it is still questions of why a dedicated channel can be set up via secondary PDP contexts. However, SA2 has stated in their LS that an IMS signalling context is normally setup, but not confined to a primary PDP context. Technically it is acceptable to use secondary PDP context, but it was questioned by some how much was gained by this unless at least more than one IPv6 address were used.

Conclusion : Rejected

N1-021399 : 24.008v530 CR#036r6, Nokia, Type: CR, Title: Corrections to SIP Compression

Discussion : Not presented.

Conclusion : Revised to1459

N1-021459 : 24.008v530 CR#036r7, Nokia, Type: CR, Title: Corrections to SIP Compression

Discussion :

Conclusion : Revised to1499

N1-021499 : 24.008v530 CR#036r8, Nokia, Type: CR, Title: Corrections to SIP Compression

Discussion :

Conclusion : Agreed

N1-021400 : Nokia, Type: DISCUSSION, Title: Implementing SigComp in the 3GPP environment

Discussion :

Conclusion : Withdrawn

N1-021403 : Nokia, Type: DISCUSSION, Title: Compression error cases

Discussion : In case of decompression failure we receive no indication from the other end. Since the uncompressed messages are not exposed, valid SIP responses cannot be generated. Therefore we should find a solution to recover from decompression failures, which could result in continuous retransmissions and failures of all subsequent transactions.

The problem was not 3GPP specific, in this requirement to reset the signalling compressor (on the side which was not restarted) in case of restart, but should be solved in IETF since it is related between SIP and SigComp. But this is last meeting for any addition to the spec., and that the architecture issue and this error case would not become high enough priority for Rel-5. It was mentioned that the use of the bits proposed for compressor restart indication need IETF approval to avoid future compatibility problem. This should be added to the open item list as a serious error which needs correction to a frozen release when a solution becomes available.

Conclusion : Noted

N1-021429 : 24.229v500 CR#139, Nokia, Type: CR, Title: Compression error cases

Discussion :

Conclusion : Withdrawn

N1-021481 : Siemens, Type: DISCUSSION, Title: Informational Internet Draft: Registration State Event Package

Discussion :

Conclusion : Not available

N1-021483 : 24.228v500 CR#058, Siemens, Type: CR, Title: Restructuring of S-CSCF Registration Sections

Discussion :

Conclusion : Not available

N1-021484 : 24.228v500 CR#059, Siemens, Type: CR, Title: Restructuring of P-CSCF Registration Sections

Discussion :

Conclusion : Not available

N1-021485 : 24.228v500 CR#060, Siemens, Type: CR, Title: Restructuring of UE Registration Sections

Discussion :

Conclusion : Not available

7.4 IMS Deregistration

N1-021294 : 24.228v500 CR#049, Nokia, Type: CR, Title: S-CSCF allocation

Discussion : SA2 has agreed that S-CSCF may keep the subscriber profile stored after a mobile initiated deregistration or after network initiated application (SIP) de-registration due to registration timeout. In 6.7.1 the word 'registration' should be changed with 'allocated'. Incorporate more comments as well in the revision.

Conclusion : Revised to 1442

N1-021442 : 24.228v500 CR#049r1, Nokia, Type: CR, Title: S-CSCF allocation

Discussion :

Conclusion : Agreed

N1-021295 : 24.229v500 CR#124, Nokia, Type: CR, Title: S-CSCF allocation

Discussion : Rewording needed to show that part of the data is possible to store after deregistration to avoid another download. S-CSCF does this in co-operation with the HSS. Does the CN4 specification cover this CR already?

Conclusion : Revised to 1443

N1-021443 : 24.229v500 CR#124r1, Nokia, Type: CR, Title: S-CSCF allocation

Discussion :

Conclusion : Agreed

7.5 IMS Configuration hiding

None.

7.6 IMS Authentication

N1-021215 : H3G, Type: DISCUSSION, Title: Discussion On Use Of Integrity Flag

Discussion : A proposed behaviour of the P-CSCF in order to deal with possible inconsistent states (between P-CSCF and UE) caused by the loss of messages in a registration procedure. It discusses the inconsistent states that can be caused by the loss of a message in an authentication, and the effects of sending either a protected or unprotected REGISTER during the periods when this inconsistency occurs. It is concluded that without changes to the current network behaviour, the UE will need to send an unprotected REGISTER to get out of the inconsistent state. It is outlined some possible new network behaviour to allow the UE to get out of the inconsistent state without changing it's already specified behaviour.

Since the RNC knows about the radio loss it was thought that it could be informed to P-CSCF via SGSN and GGSN. If eg. the UE does not have the 200OK after getting out of a tunnel and therefore has no security association it could start a new registering process, thus not mixing old and new security associations.

Conclusion : Noted

N1-021216 : 24.229v500 CR#118, H3G, Type: CR, Title: Use Of Integrity Flag

Discussion : An inconsistency may occur between UE and the P-CSCF due to the final message in the authentication process being lost e.g. on the air interface. This will cause the network (P-CSCF and S-CSCF) to believe that the UE is authenticated with a new security association, but the UE does not have this information.

No multipel security association exists in Rel-5, only one is valid at a time. SA3 is discussing the issue this week, and the CN1 await that outcome.

Conclusion : Withdrawn

N1-021258 : 24.228v500 CR#046, Nokia, Type: CR, Title: Adding security parameters to the call flows

Discussion : Not presented, but has only coverage.

Conclusion : Revised to 1401

N1-021401 : 24.228v500 CR#046r1, Nokia, Type: CR, Title: Adding security parameters to the call flows

Discussion :

Conclusion : Postponed

N1-021323 : 24.229v500 CR#127, Nokia, Type: CR, Title: Emergency Service procedure corretion

Discussion : The UE inserts MCC+ MNC to every INVITE. This provides necessary information for the P-CSCF to separate emergency service numbers from others.

The UE part must be mandatory, and P-CSCF has to do the procedure,- shall check if it is from own country or not. This looks to be a heavy procedure for P-CSCF at setup and for configuration.

Conclusion : Revised to 1444

N1-021444 : 24.229v500 CR#127r1, Nokia, Type: CR, Title: Emergency Service procedure corretion

Discussion : Objections due to break of home and local services and maybe violating SA2 requirements. Probably the UE should not check the service. Conflict between service numbers and emergency numbers would likely lead to unnecessary emergency calls. The local service number problem still remains to be solved. The problems identified is also within 24.229 as it stands, but can remain until a fix can be done in July.

Conclusion : Rejected

N1-021324 : Nokia, Type: DISCUSSION, Title: Emergency service correction

Discussion : The problem of not identifying emergency call in P-CSCF with conflicting configurable emergency number table will occur when user is roaming and tries to make an emergency call when using the PS domain.

The use of national prefix ? The P-CSCF decision criteria for detecting emergency call attempts is not strictly defined, so the MCC and MNC may already be taken into account. This is a SA1 guidance in 22.100 problem due to the home scenario problem. The cell-id ready for Rel-5 ? The Cell ID needs to be added to INVITEs for other reasons anyway. The identified problem needs to be solved. The MS should go straight to CS, but not all cases (like the one outlined here) can be defined on the SIM.

Conclusion : Noted

N1-021343 : 24.229v500 CR#132, Nokia, Type: CR, Title: SA setup related procedures at the P-CSCF

Discussion : Not presented, but has only coverage.

Conclusion : Revised to 1402

N1-021402 : 24.229v500 CR#132r1, Nokia, Type: CR, Title: SA setup related procedures at the P-CSCF

Discussion :

Conclusion : Postponed

7.7 IMS Call initiation

N1-021118 : 24.229v500 CR#002r4, NEC, Type: CR, Title: 24.229: Alignment with 23.815 regarding overview of charging information

Discussion : TS 24.229 needs to be aligned with 32.200 regarding transport of charging correlation information such as ICID, GCID, CCFAs or IOI. These transportation procedures are widely and complicatedly incorporated into 24.229 so that the charging correlation principles should be introduced before detail description of this procedure in 24.229.

Linked to 1165. Due to autonumbering and formatting problems the 1165 was found as a better base, even the two documents are very similar in content.

Conclusion : Rejected but merged to 1450

N1-021119 : 24.229v500 CR#013r3, NEC, Type: CR, Title: Passing charging addresses

Discussion : Not presented.

Conclusion : Revised to 1380

N1-021380 : 24.229v500 CR#013r4, NEC, Type: CR, Title: Passing charging addresses

Discussion : Revising an agreed CR from CN1#23. The changes was not seen necessary since the overview takes care of them, and not repeated in the procedures. Parts of this CR is merged into 1458.

Conclusion : Rejected and some parts merged to 1458

N1-021201 : 24.228v500 CR#018r2, Ericsson, Type: CR, Title: General update of sections 10.1, 10.2 and 10.3

Discussion : Branch changes clash with N1-021230.

Conclusion : Revised to 1416

N1-021416 : 24.228v500 CR#018r3, Ericsson, Type: CR, Title: General update of sections 10.1, 10.2 and 10.3

Discussion : Changes within RFC 3261 and to the Privacy and Manyfolks drafts require correction of flows in 24.228.

Conclusion : Agreed

N1-021202 : Ericsson, Type: DISCUSSION, Title: UTF-8 encoding of authorisation token

Discussion : The authorisation token is generated from the PCF, and as part of the token is a PCF identifier that the GGSN will use to signal back to the PCF in order to bind the GPRS and the IMS layers together. This PCF identifier could e.g. be the FQDN of the PCF, and from an UTF-8 encoding within SIP this is possible. However the ABNF of draft-ietf-sip-call-auth-05.txt and the coding of the authorisation token within 24.008 prevents this.

It was thought that it was a CN3 issue and that CN1 just takes it based on octets, but that is according to this proposal. The intention with the proposal was to make the MS transparent for the authorization token.

Conclusion : Noted

N1-021203 : 24.008v530 CR#620, Ericsson, Type: CR, Title: Change of the coding of the authorisation token

Discussion : The format of the authorisation token is proposed changed in order to have a more flexible method to perform PCF discovery within the GGSN. UTF-8 is used as coding format from the P-CSCF to the UE. The same format is proposed used from the UE to the GGSN.

Another proposal was to send based on half octet (Hexdigit) due to radio capacity (long gone with SIP?). Would any limit on TFT IE length be a problem? Are the affected protocols consistent regarding this encoding. Postponed for awaiting the CN3 decision.

Conclusion : Withdrawn

N1-021204 : 24.229v500 CR#080r1, Ericsson, Type: CR, Title: Introduction of IPv6 prefix and binding information

Discussion : Reference to 29.061 and 29.207 are added. It is clarified that the UE constructs the IPv6 address from information provided by the GGSN. Binding information (authorisation token and flow identifier) is updated to reflect stage 2 requirements (current documents are LS S2-021520 and CR S2-021437).

Conclusion : Revised to 1447

N1-021447 : 24.229v500 CR#080r2, Ericsson, Type: CR, Title: Introduction of IPv6 prefix and binding information

Discussion : Again confusion on text and requirements, so a minimal text for 24.229 shall be sought and have the text spread out in stage 2 instead of clarified into stage 3.

Conclusion : Revised to 1486

N1-021486 : 24.229v500 CR#080r3, Ericsson, Type: CR, Title: Introduction of IPv6 prefix and binding information

Discussion : Reference to stage2 should only be for definitions, and in 23.228 subclause 9.2.5 it should be replaced by reference to the gonzalo draft when that becomes an RFC,- in a future CR to 24.229.

Conclusion : Agreed

N1-021205 : 24.228v500 CR#020r1, AWS, Type: CR, Title: Session Redirection Flow Update

Discussion : Put back the a=lines when port number = 0 is the only change since this was seen in Madrid. p-called party id should not be inserted in 10.4.2-10.302 redirect in 10.4.2.16 should be 'moved temporarily' to allow better compression as this phrase is in the compression dictionary.

Conclusion : Revised to1413

N1-021413 : 24.228v500 CR#020r2, AWS, Type: CR, Title: Session Redirection Flow Update

Discussion :

Conclusion : Agreed

N1-021206 : 24.228v500 CR#021r1, AWS, Type: CR, Title: Session Transfer Flow Update

Discussion : Content-type header needs to change to reflect the new Refer draft. Referred-by header has also been removed from Refer draft – need changes to reflect this. Possible deletion of the whole call flow due to the removal of Referred by header ? The information conveyed has no alternative method defined, so this needs to be removed from the examples list – offline discussion to clarify what the solution is. Referred-to should be compliant with 24.229 text.

Conclusion : **Revised to 1414**

N1-021414 : 24.228v500 CR#021r2, AWS, Type: CR, Title: Session Transfer Flow Update

Discussion : The figures will be updated with a CR to the next meeting to align with the text in the flows.

Conclusion : **Agreed**

N1-021207 : 24.228v500 CR#031, AWS, Type: CR, Title: Addition of further Media Streams Flow Update

Discussion : Some errors on ‘tokenised by’ - e.g. in table 17.5.2-3. Clashes with N1-021230 also on branch changes.

Conclusion : **Revised to 1415**

N1-021415 : 24.228v500 CR#031r1, AWS, Type: CR, Title: Addition of further Media Streams Flow Update

Discussion :

Conclusion : **Agreed**

N1-021209 : 24.228v500 CR#032, Nortel, Type: CR, Title: Flow Update to 7.5 Addition of further media streams

Discussion : Nobody to present it.

Conclusion : **Not treated**

N1-021210 : 24.228v500 CR#033, Nortel, Type: CR, Title: Flow Update to 17.4.5 MT#1d

Discussion : Nobody to present it.

Conclusion : **Not treated**

N1-021223 : 24.228v500 CR#034, Nokia, Type: CR, Title: MO#1a failures update

Discussion : Should replace 487 Cancel by 487 Request Terminated, for compression purposes.

Conclusion : **Revised to 1417**

N1-021417 : 24.228v500 CR#034r1, Nokia, Type: CR, Title: MO#1a failures update

Discussion :

Conclusion : **Revised to 1500**

N1-021500 : 24.228v500 CR#034r2, Nokia, Type: CR, Title: MO#1a failures update

Discussion :

Conclusion : **Agreed**

N1-021224 : 24.228v500 CR#035, Nokia, Type: CR, Title: MT#1a failures update

Discussion : Should replace 487 Cancel by 487 Request Terminated, for compression purposes.

Conclusion : **Revised to 1418**

N1-021418 : 24.228v500 CR#035r1, Nokia, Type: CR, Title: MT#1a failures update

Discussion :

Conclusion : **Revised to 1501**

N1-021501 : 24.228v500 CR#035r2, Nokia, Type: CR, Title: MT#1a failures update

Discussion :

Conclusion : Agreed

N1-021225 : 24.228v500 CR#036, Nokia, Type: CR, Title: S-S#1a failures update

Discussion : Table 7.3.2.2-38 and 39 – contact in 462 response – should not be deleted.
Request URI in the ACK needs to be updated.

Conclusion : Revised to 1419

N1-021419 : 24.228v500 CR#036r1, Nokia, Type: CR, Title: S-S#1a failures update

Discussion :

Conclusion : Revised to 1502

N1-021502 : 24.228v500 CR#036r2, Nokia, Type: CR, Title: S-S#1a failures update

Discussion :

Conclusion : Agreed

N1-021226 : 24.228v500 CR#037, Nokia, Type: CR, Title: MT#1c + MT#2a update

Discussion : Change proposal for MT#2a to say ‘This call flow is same as MT#1c and is not provided’ – to ensure that there are no broken references. Need to apply the TEL URL changes agreed in Madrid. Request URI in the ACK needs to be updated.

Conclusion : Revised to 1420

N1-021420 : 24.228v500 CR#037r1, Nokia, Type: CR, Title: MT#1c + MT#2a update

Discussion :

Conclusion : Revised to 1503

N1-021503 : 24.228v500 CR#037r2, Nokia, Type: CR, Title: MT#1c + MT#2a update

Discussion :

Conclusion : Agreed

N1-021227 : 24.228v500 CR#038, Nokia, Type: CR, Title: MT#1e update

Discussion : Not agreed to delete it – this will apply when the recipient is barred. Flow should be kept.

Conclusion : Revised to 1421

N1-021421 : 24.228v500 CR#038r1, Nokia, Type: CR, Title: MT#1e update

Discussion :

Conclusion : Revised to 1504

N1-021504 : 24.228v500 CR#038r2, Nokia, Type: CR, Title: MT#1e update

Discussion :

Conclusion : Agreed

N1-021228 : 24.228v500 CR#039, Nokia, Type: CR, Title: S-S#1c update

Discussion :

Conclusion : Not available

N1-021229 : 24.228v500 CR#024r1, Nokia, Type: CR, Title: S-S#4 update

Discussion :

Conclusion : Agreed

N1-021230 : 24.228v500 CR#040, Nokia, Type: CR, Title: Branch parameter corrections

Discussion : Two syntactical mistakes were pointed out, and all branch parameter corrections are in this document. Clashes with revisions of 1201, 1206 and 1207.

Conclusion : Revised to 1451

N1-021451 : 24.228v500 CR#040r1, Nokia, Type: CR, Title: Branch parameter corrections

Discussion :

Conclusion : Agreed

N1-021231 : 24.229v500 CR#119, Nokia, Type: CR, Title: SIP procedures at UE

Discussion : UE shall add Require:precondition and Remote-Party-ID with registered public user identity when sending initial INVITE. Related to 1297 which will be incorporated here.

Conclusion : Revised to 1452

N1-021452 : 24.229v500 CR#119r1, Nokia, Type: CR, Title: SIP procedures at UE

Discussion : 1176 CR103 overrides this CR and must be implemented after this CR. Deleting headers where modifications has been done here in subclauses 5. Agreed that subclauses 5.1.3.2 – 5.2.3.4 and 5.1.4.2 – 5.1.4.4 being deleted has priority.

Conclusion : Agreed

N1-021234 : 24.228v500 CR#043, Nokia, Type: CR, Title: Content of From/To headers

Discussion :

Conclusion : Not treated due to time

N1-021239 : 24.228v500 CR#025r3, Nokia, Type: CR, Title: CS-O, CS-T Reference flow update

Discussion : Branch changes have now been removed so it does not clash with 1230. CR was otherwise already agreed.

Conclusion : Agreed

N1-021243 : 24.228v500 CR#019r3, Dynamicsoft, Type: CR, Title: MO, S-S, MT #2 reference flows update

Discussion : Corrections have been made as agreed in Madrid meeting. Should be TEL URI, and some editorial comments.

Conclusion : Revised to 1422

N1-021422 : 24.228v500 CR#019r4, Dynamicsoft, Type: CR, Title: MO, S-S, MT #2 reference flows update

Discussion :

Conclusion : Revised to 1505

N1-021505 : 24.228v500 CR#019r5, Dynamicsoft, Type: CR, Title: MO, S-S, MT #2 reference flows update

Discussion : The tdocnumber was not corrected on the cover page and will be done by MCC.

Conclusion : Agreed

N1-021244 : 24.228v500 CR#044, Dynamicsoft, Type: CR, Title: S-S#1b reference flows update

Discussion : Table 17.3.2.1.-4 route needs to contain a sip:

Conclusion : Revised to 1381

N1-021381 : 24.228v500 CR#044r1, Dynamicsoft, Type: CR, Title: S-S#1b reference flows update

Discussion :

Conclusion : Agreed

N1-021254 : Dynamicsoft, Type: DISCUSSION, Title: Use of Session-Policy draft for SDP codec filtering

Discussion :

Conclusion : Not available

N1-021259 : 24.229v500 CR#070r2, Nokia, Type: CR, Title: SDP procedures at UE

Discussion : The changes resulted with the introduction of the UPDATE method and offer/answer SDP negotiation were not applied yet to this subclause.

A reference to manyfolks and possible conflict with QoS ? Procedure updated with what is in the call flow, but maybe should be more detailed as to encoding of SDP. This is an alternativ to 1171. The charging aspects are needed.

Conclusion : Revised to 1453

N1-021453 : 24.229v500 CR#070r3, Nokia, Type: CR, Title: SDP procedures at UE

Discussion : Use Example including style. CR046 must be implemented first.

Conclusion : Agreed

N1-021260 : 24.229v500 CR#121, Nokia, Type: CR, Title: New requirements in the P-CSCF

Discussion : With the actual security mechanism it is possible to send a message related to somebody else's dialog and as such modify or clear a dialog in which the party is not involved. It is therefore mandated for the P-CSCF to verify the SA the message came from and store all the dialog_IDs which were initiated or terminated by the owner of the SA. It is further mandated that when the P-CSCF receives a message other than initial request to/from a user with a specific SA, it checks whether the dialog_ID relates to that SA.

Conclusion : Revised to 1463

N1-021463 : 24.229v500 CR#121r1, Nokia, Type: CR, Title: New requirements in the P-CSCF

Discussion : After 1xx and 2xx it is wrong sending a 403 response. Checking that the user is involved is not sufficiently strong and clear requirement. Remote-Party ID. Have to mention the security association. Separation and following steps should be better structured.

Conclusion : Revised to 1509

N1-021509 : 24.229v500 CR#121r2, Nokia, Type: CR, Title: New requirements in the P-CSCF

Discussion :

Conclusion : Agreed

N1-021261 : 24.228v500 CR#028r1, Nokia, Type: CR, Title: Downloading the implicitly registered public user identities from the S-CSCF to P-CSCF

Discussion :

Conclusion : Revised to 1473

N1-021473 : 24.228v500 CR#028r2, Nokia, Type: CR, Title: Downloading the implicitly registered public user identities from the S-CSCF to P-CSCF

Discussion :

Conclusion : Agreed

N1-021262 : 24.229v500 CR#079r1, Nokia, Type: CR, Title: Downloading the implicitly registered public user identities from the S-CSCF to P-CSCF

Discussion : The current solution requires the P-CSCF to subscribe to the S-CSCF to each user's registration status event in order to get the user's implicitly registered public identities. This leads to capacity problems both in S-CSCF and P-CSCF. A new P-Associated-URI header has been added to the 200 OK response to REGISTER requests. The S-CSCF will insert the implicitly registered public user identities into this header and the P-CSCF will store the content of it. Consequently, the P-CSCF to S-CSCF subscription sections are removed. In case the home network decides to de-register the user, the P-CSCF will not know explicitly about this action and will rely on the expiration time of the registration (which equals to the lifetime of the security association).

Improvement to subscriptions for Rel-6 was a possible way forward seen from Lucent,- thus not taking away the fully documented solution. How would P-CSCF know about network initiated de-registration if no SUBSCRIBE-NOTIFY is used? Additionally the UE could, upon receiving notification that it has been de-registered by S-CSCF, send a REGISTER with expiry time set to zero. At least Lucent was concerned that this would turn P-CSCF to a registrar, at least partly. The requirement for the P-CSCF to inspect the registration timer was recently received from SA3 and therefore not documented yet that the registration timer is needed anyway. The intention with this proposal is not to save signalling messages, but capacity related to keeping registration states. Some operators considered that it was too large security risk if the P-CSCF would keep the security context (for a period of time) after network initiated de-registration at S-CSCF. Charging for using airinterface for additional UE use was discussed related to no user registration in S-CSCF. Comment that any IMS traffic will be stopped at either P-CSCF (currently) or at S-CSCF (according to the proposal). There is not that big difference in that, considering that the most expensive leg across the radio interface has already been wasted. Optionality of SUBSCRIBE/NOTIFY was not seen as a possible way forward. Proposal to give up the subscription at P-CSCF to subscriber de-registration notification events.

Conclusion : Revised to 1474

N1-021474 : 24.229v500 CR#079r2, Nokia, Type: CR, Title: Downloading the implicitly registered public user identities from the S-CSCF to P-CSCF

Discussion : Subclause 5.4.1.2.1 conflict? Should any text go into clause 7? Bullet item 5 in 5.2.2 needs to be deleted. Delete the ':' after the header names in some places.

Conclusion : Revised to 1510

N1-021510 : 24.229v500 CR#079r3, Nokia, Type: CR, Title: Downloading the implicitly registered public user identities from the S-CSCF to P-CSCF

Discussion :

Conclusion : Agreed

N1-021263 : Nokia, Type: DISCUSSION, Title: Warn codes

Discussion : It is proposed to agree the following principles: Return warn-code 399 for all the actions listed except for bullet point nr. 3 and nr. 9 where UE action is requested, and discuss/find a solution on how to handle the exceptions.

Suggested that 3, 5 and 9 should not be on the list for inclusion of a warn code. Warn header require warncode and then the text would give further info of what happened to the attempt. Register one 3gpp warn code with IANA is proposed and extend that for different reject cases. It is a need for a warncode when the UE should take an action? Illegal UE could happen eg. if the UE is legal to the radio access but not to IMS, so bullet point 2 was seen needed. Only use 399 to inform UE and no warncode for UE action.

Conclusion : Noted

N1-021266 : 24.228v500 CR#047, Lucent T., Type: CR, Title: Relationship of Application Servers to flows in 24.228

Discussion :

Conclusion : Not treated due to time

N1-021296 : Siemens, Type: DISCUSSION, Title: Problems with charging during IMS call initiation

Discussion :

Conclusion : Not treated due to time

N1-021297 : 24.229v500 CR#125, Siemens, Type: CR, Title: Corrections UE procedures during IMS call initiation to allow charging

Discussion : Related to 1231 and incorporated to the revision in 1452 already.

Conclusion : *Withdrawn*

N1-021318 : 24.229v500 CR#008r5, NEC, Type: CR, Title: Support for services for unregistered users

Discussion : Revising 1085. Problems to identify the modifications. Should not reinstate the sentence of SGSN only contacting the AS once. Must delete the sentence on inserting user profile, since it must be in S-CSCF for registered. This version is therefore rejected and no additions go to the revision, but it must be revised since many documents are touching chapter 5.4.3.2 and all these acceptable changes on subclause 5.4.3.2 will be collected in the 1454 summary.

Conclusion : *Revised to 1454 (1318 content addition rejected)*

N1-021454 : 24.229v500 CR#008r6, Ericsson, Type: CR, Title: Support for services for unregistered users

Discussion :

Conclusion : *Revised to 1506*

N1-021506 : 24.229v500 CR#008r7, Ericsson, Type: CR, Title: Support for services for unregistered users

Discussion :

Conclusion : *Agreed*

N1-021320 : 24.229v500 CR#073r1, NEC, Type: CR, Title: Updates to the procedures involving the iFCs, following the Oulu iFC changes

Discussion : Revision of 1022. Do we need to say much of where the data comes from, since that is already in 23.218 and referenced.

Conclusion : *Rejected*

N1-021328 : 24.228v500 CR#050, Nokia, Type: CR, Title: Correction to Warn codes

Discussion : The warn-codes were changed to be in line with the RFC3261. Additionally, the insertion of the Warning header into the 403 responses is mandated.

Why is normative requirements now inserted to 24.228 which only contains behavior, more details should go to 24.229.

Conclusion : *Revised to 1462*

N1-021462 : 24.228v500 CR#050r1, Nokia, Type: CR, Title: Correction to Warn codes

Discussion :

Conclusion : *Agreed*

N1-021334 : 24.229v500 CR#036r5, Vodafone, H3G, Ericsson, Type: CR, Title: Corrections to SIP Compression

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

IPR rights shall not be a blocking issue, but each member are obliged to indicate IPR rights according to article 56.

No agreement could be reached on SigComp extended.

- The proposed addition of explicit statement of optional support of SigComp extended was supported by several delegations but this could not be agreed.

- It was, however, agreed by everybody that due to the way how SigComp works it makes no difference whatsoever whether we have that statement in 3GPP specification or not since even without it it will be possible to apply SigComp extended if both UE and P-CSCF support it.

N1-021334, 1399 and 1459 are revisions of N1-021099.

Conclusion : Rejected

N1-021336 : 24.229v500 CR#130, Nokia, Type: CR, Title: Usage of Path and P-Service Route

Discussion : Collision in clause 5.4 between N1-021247 and 1336. Not presented.

Conclusion : Revised to 1460

N1-021460 : 24.229v500 CR#130r1, Nokia, Type: CR, Title: Usage of Path and P-Service Route

Discussion : Collision in clause 5.4 between N1-021247 and 1336. Dynamicsoft will not accept this but leave the door open for future possibilities by having the header to the UE,- changing working assumption at late stage. But a compromise by deleting some text will progress this CR.

Conclusion : Revised to 1508

N1-021508 : 24.229v500 CR#130r2, Nokia, Type: CR, Title: Usage of Path and P-Service Route

Discussion : The only change to the previous version is that the proposed additional paragraph at the end of 5.3.3.1 is deleted and that 7.2.1 should be void. Collision in clause 5.4 between N1-021247 and 1336.

The existing working assumption that P-CSCF stops P-Service Route was agreed in the meeting.

Conclusion : Agreed

N1-021342 : 24.229v500 CR#131, Siemens, Type: CR, Title: Allowing the transport of the GPRS Charging Info in 200 OK

Discussion : P-CSCF shall insert the GPRS Charging Information in 200 OK (INVITE) response, if it was not transported in the optional Ringing response. S-CSCF shall extract this information.

1457 has the last modification included. Would it be better always to have it in 180 ringing ? Yes. Changes proposed in this document will be incorporated into 1457.

Conclusion : Rejected but merged to 1457

N1-021351 : 24.229v500 CR#009r2, NEC, Type: CR, Title: Editorials for GPRS Charging ID

Discussion :

Conclusion : Not treated due to time

N1-021479 : 24.228v500 CR#055, Siemens, Type: CR, Title: Determination of MOC / MTC at P-CSCF and S-CSCF

Discussion :

Conclusion : Not available

N1-021482 : 24.228v500 CR#057, Siemens, Type: CR, Title: Determination of Served User at P-CSCF and S-CSCF

Discussion :

Conclusion : Not available

N1-021488 : 24.228v500 CR#061, Siemens, Type: CR, Title: MO#1b and MT#b1 update

Discussion :

Conclusion : Not treated due to time

N1-021489 : 24.228v500 CR#062, Siemens, Type: CR, Title: SS#1c update

Discussion :

Conclusion : Not treated due to time

N1-021490 : 24.228v500 CR#004r4, Nokia, Type: CR, Title: MO, S-S, MT #1a reference flow update

Discussion : Revision of 1061.

Conclusion : Not treated due to time

7.8 IMS Call clearing

N1-021151 : 24.228v500 CR#027, Lucent T., Type: CR, Title: Update of Mobile terminal initiated session release flows (non-hiding)

Discussion : Inclusion of the Max-Forwards header in the BYE request.

Reformatting of the textual description associated with each header.

Deletion of the Contact header from the BYE request.

Inclusion of new Request-URI in BYE request.

Inclusion of compatible contents in the Route header with those stored by the related INVITE flows, with the impact that the Route header now also contains the loose routing parameter.

Removal of service control boxes, as these are now performed by the Application Server. Need associated CR to 24.228 to explain why these are not shown.

Removal of Record-Route header from BYE requests. While the Record Route header SHOULD be inserted by proxies in subsequent requests, its use does not appear in any other sequences showing subsequent requests, and a proxy should act consistently with regard to this usage.

Conclusion : Agreed

N1-021152 : 24.228v500 CR#029, Lucent T., Type: CR, Title: Update of Mobile terminal initiated session release flows (hiding)

Discussion : Very similar to the 1151 changes. In 18.2-5 it should be a token without the UE. Not allowed to have nested tokenization. Other comments also to be incorporated, taking account that only home network elements can be tokenized.

Conclusion : Revised to 1464

N1-021464 : 24.228v500 CR#029r1, Lucent T., Type: CR, Title: Update of Mobile terminal initiated session release flows (hiding)

Discussion :

Conclusion : Agreed

N1-021480 : 24.228v500 CR#056, Siemens, Type: CR, Title: Loose Routing for Network Initiated Call Release Procedures

Discussion :

Conclusion : Not available

7.9 IMS Abnormal cases and error handling

None.

7.10 Other IMS issues

N1-021108 : 24.229v500 CR#081, Orange France, Type: CR, Title: Introduction of Subscription Locator Function Interrogation at I-CSCF in 24.229

Discussion : Not presented.

Conclusion : **Revised to 1439**

N1-021439 : 24.229v500 CR#081r1, Orange France, Type: CR, Title: Introduction of Subscription Locator Function Interrogation at I-CSCF in 24.229

Discussion : Subscription Locator Function has been introduced in stage 2 specification TS23.228 and in TS29.228 so that the HSS handling the subscription of a user can be found when there are several HSS in the Home network. This needs to be reflected in TS24.229. This CR covers I-CSCF case. The S-CSCF modifications are included in N1-021109

An editorial update.

Conclusion : **Revised to 1469**

N1-021469 : 24.229v500 CR#081r2, Orange France, Type: CR, Title: Introduction of Subscription Locator Function Interrogation at I-CSCF in 24.229

Discussion :

Conclusion : **Agreed**

N1-021112 : H3G., Type: DISCUSSION, Title: SIP Default Timers and Call Set Up Times

Discussion : This paper discusses an issue raised in reference 1 regarding the setting of default timers for SIP and the impact of the radio interface. The analysis performed is static and makes a number of gross assumptions. A mobile-to-mobile call is assumed, and it is certainly not a full worst case analysis, but nor is it a best case. It is considered to be more a typical scenario. Two scenarios for the SIP signalling are examined, one where there is already an ongoing session, so the radio bearer for signalling is reduced in bandwidth, and the other where no session is ongoing so the bearer is higher rate. It is assumed that SIP signalling is multiplexed with RRC and CC/SM in radio network, but it should be noted that any such solution is not yet agreed in RAN groups.

By having T1 to 4 s and T4 to 16 s that relation makes one retransmission impossible. It was considered that T1 as 2s was too close to the limit. Some other SIP recommendations on timer relation should be used. The P-CSCF has the default, but for terminating calls values considering the UE could be beneficial.

Conclusion : **Noted**

N1-021120 : 24.229v500 CR#083, NEC, Type: CR, Title: 24.229: Clarifications on IMS Forking

Discussion : At the last SA2#24meeting it was approved that forking outside IMS needs to be considered in Rel 5 since the SIP proxy entities outside the IM CN Subsystem may take place in forking requests.

This CR creates a dependency to I-D callerprefs, which is proposed taken out as it will not make the Rel-5 timeframe. It was believed that all needed material for forking originated outside 3GPP (stated in the profile that P-CSCF and S-CSCF shall not fork) are already mandated for the UE, - ie. to receive forking created elsewhere. An AS in 3GPP network acting as UE or Proxy will follow the same rules.

Conclusion : **Rejected**

N1-021153 : 24.229v500 CR#014r2, Lucent T., Type: CR, Title: MRFC INVITE interface details

Discussion : Comment (goes for several companies) that everything not following IETF standard track would be objected to, so only editors notes stating proprietary solutions or implementation dependant solutions for Rel-5 can be looked at in this meeting. The intention of 3GPP is to standardize this at a later stage, and a WI for SA1 on this is progressing as a Rel-6 issue. It will also go into the garcia-requirement draft. The XML solution is adequate, but was requested to go to IETF for standardization. This was not seen as the solution from Microsoft. The comments here are valid also for 1154, 1155 and 1156.

Conclusion : **Rejected**

N1-021154 : 24.229v500 CR#015r2, Lucent T., Type: CR, Title: MRFC OPTIONS interface details

Discussion : Comment (goes for several companies) that everything not following IETF standard track would be objected to, so only editors notes stating proprietary solutions or implementation dependant solutions for Rel-5 can be looked at in this meeting. The intention of 3GPP is to standardize this at a later stage, and a WI for SA1 on this is progressing as a Rel-6 issue. It will also go into the garcia-requirement draft. The XML solution is adequate, but was requested to go to IETF for standardization. This was not seen as the solution from Dynamicsoft.

Conclusion : *Rejected*

N1-021155 : 24.229v500 CR#017r2, Lucent T., Type: CR, Title: AS to MRFC optimized signaling

Discussion : Comment (goes for several companies) that everything not following IETF standard track would be objected to, so only editors notes stating proprietary solutions or implementation dependant solutions for Rel-5 can be looked at in this meeting. The intention of 3GPP is to standardize this at a later stage, and a WI for SA1 on this is progressing as a Rel-6 issue. It will also go into the garcia-requirement draft. The XML solution is adequate, but was requested to go to IETF for standardization. This was not seen as the solution from Dynamicsoft.

Conclusion : *Rejected*

N1-021156 : 24.229v500 CR#021r2, Lucent T., Type: CR, Title: MGCF OPTIONS interface details

Discussion : Comment (goes for several companies) that everything not following IETF standard track would be objected to, so only editors notes stating proprietary solutions or implementation dependant solutions for Rel-5 can be looked at in this meeting. The intention of 3GPP is to standardize this at a later stage, and a WI for SA1 on this is progressing as a Rel-6 issue. It will also go into the garcia-requirement draft. The XML solution is adequate, but was requested to go to IETF for standardization. This was not seen as the solution from Dynamicsoft.

Conclusion : *Rejected*

N1-021157 : 24.229v500 CR#085, Lucent T., Type: CR, Title: MRFC INVITE interface editor's notes

Discussion : MRFC procedures in 24.229 currently have editor's notes related to the details of how the MRFC provides tones, announcements and conferencing. If these details are not provided by CR 014 or some alternative, then the editor's notes need to be replaced with a statement that these procedures are proprietary for Rel-5. It is possible that the solution may be based on IETF proposals, but there is no clear choice in the Rel-5 timeframe.

Change 'in Rel-5' to 'in this version of the document', meaning that (proprietary or) other solutions are possible for the interim period. This principal change is needed for all notes to be introduced also in 1158 and 1159.

Conclusion : *Revised to 1470*

N1-021470 : 24.229v500 CR#085r1, Lucent T., Type: CR, Title: MRFC INVITE interface editor's notes

Discussion :

Conclusion : *Agreed*

N1-021158 : 24.229v500 CR#086, Lucent T., Type: CR, Title: MRFC OPTIONS interface editor's notes

Discussion : Additionally to changing the note as for 1157, deletion of the words 'include message body' was discussed but remains as it is written.

Conclusion : *Revised to 1471*

N1-021471 : 24.229v500 CR#086r1, Lucent T., Type: CR, Title: MRFC OPTIONS interface editor's notes

Discussion :

Conclusion : *Agreed*

N1-021159 : 24.229v500 CR#087, Lucent T., Type: CR, Title: MRFC PRACK & INFO editor's notes

Discussion : MRFC procedures in 24.229 currently have editor's notes asking if the MRFC handles PRACK, COMET and INFO in any way other than standard SIP. Since no changes to SIP have been identified that are specific to 3GPP, the editor's notes need to be removed.

Conclusion : Agreed

N1-021160 : 24.229v500 CR#088, Lucent T., Type: CR, Title: MGCF OPTIONS interface editor's notes

Discussion : Change the note as for 1157.

Conclusion : Revised to 1472

N1-021472 : 24.229v500 CR#088r1, Lucent T., Type: CR, Title: MGCF OPTIONS interface editor's notes

Discussion :

Conclusion : Agreed

N1-021161 : 24.229v500 CR#089, Lucent T., Type: CR, Title: MGCF reINVITE editor's notes

Discussion : MGCF procedures in 24.229 currently has an editor's note related to notifying the UE when the circuit-switched side of the call has done a halt or resume operation. Since there has not been a requirement identified to notify the UE, it will be left as an MGCF implementation option.

Conclusion : Agreed

N1-021162 : 24.229v500 CR#090, Lucent T., Type: CR, Title: 3PCC AS editor's notes

Discussion : AS procedures for 3gpp in 24.229 currently have editor's notes asking if the AS handles subsequent, call-related and further initial requests in any way other than standard SIP. Since no changes to SIP have been identified that are specific to 3GPP, other than the already noted BYE treatment, the editor's notes need to be removed.

Conclusion : Agreed

N1-021163 : 24.229v500 CR#091, Lucent T., Type: CR, Title: AS acting as terminating UA editor's notes

Discussion : AS procedures for terminating UA in 24.229 currently has an editor's note indicating a need to behave like the UE specified in clause 5.1.4. The editor's note needs to be removed and replaced with a pointer to clause 5.1.4 if common procedures have been defined. Otherwise, further description is needed in clause 5.7.2.

Conclusion : Agreed

N1-021164 : 24.229v500 CR#092, Lucent T., Type: CR, Title: AS acting as originating UA editor's notes

Discussion : AS procedures for originating UA in 24.229 currently has an editor's note indicating a need to behave like the UE specified in clause 5.1.3. The editor's note needs to be removed and replaced with a pointer to clause 5.1.3 if common procedures have been defined. Otherwise, further description is needed in clause 5.7.2.

Typo problem.

Conclusion : Revised to 1466

N1-021466 : 24.229v500 CR#092r1, Lucent T., Type: CR, Title: AS acting as originating UA editor's notes

Discussion :

Conclusion : Agreed

N1-021165 : 24.229v500 CR#093, Lucent T., Type: CR, Title: Charging overview clause

Discussion : Based on almost same as 1118, and proposed that these two CRs be merged. Since 1118 has formatting problems the 1165 will incorporate the differences. GGSN also generates access network charging related information.

Conclusion : Revised to 1450

N1-021450 : 24.229v500 CR#093r1, NEC, Lucent T., Type: CR, Title: Charging overview clause

Discussion : Delete last sentence in 3rd paragraph of 4.4.2.

Conclusion : Revised to 1512

N1-021512 : 24.229v500 CR#093r2, NEC, Lucent T., Type: CR, Title: Charging overview clause

Discussion :

Conclusion : Agreed

N1-021166 : 24.229v500 CR#094, Lucent T., Type: CR, Title: Procedures for original-dialog-id P-header

Discussion : The XML definitions are removed. Procedures are modified to describe using the P-header fields instead of the XML elements for original-dialog-id.

All 5.4.3.2 modifications will be removed and incorporated to 1454.

Conclusion : Revised to 1456

N1-021456 : 24.229v500 CR#094r1, Lucent T., Type: CR, Title: Procedures for original-dialog-id P-header

Discussion : 0787 (CR018) was previously agreed, but is replaced by this one.

Conclusion : Agreed

N1-021167 : 24.229v500 CR#095, Lucent T., Type: CR, Title: Procedures for charging-vector P-header

Discussion : 3GPP has currently proposed an XML-based solution for passing the charging-vector. IETF has indicated a preference for a header based solution using the P-header mechanism. An internet-draft has been submitted for a P-header version of charging-vector. If it is approved, then the definition and use of the charging-vector needs to be updated in 24.229 to align with the change.

A collision with earlier agreed CR needs a solution. Possibility to extend for the future should be introduced for all p-headers, and that generic part will also need to go to the I-Ds. Again move 5.4.3.2 to 1454.

Conclusion : Revised to 1457

N1-021457 : 24.229v500 CR#095r1, Lucent T., Type: CR, Title: Procedures for charging-vector P-header

Discussion : Again remove the sentence of GPRS ID for register,- in 5.2.2 delete bullet 4 and last sentence of bullet 3.

Conclusion : Revised to 1513

N1-021513 : 24.229v500 CR#095r2, Lucent T., Type: CR, Title: Procedures for charging-vector P-header

Discussion : CRs 009, 010, 011 and 012 is replaced by this new agreed one.

Conclusion : Agreed

N1-021168 : 24.229v500 CR#096, Lucent T., Type: CR, Title: Procedures for charging-function-addresses P-header

Discussion : The XML definitions are removed. Procedures are modified to describe using the P-header fields instead of the XML elements for charging-function-addresses. Avoid duplication of I-D parts. Again move 5.4.3.2 to 1454.

Conclusion : Revised to 1458

N1-021458 : 24.229v500 CR#096r1, Lucent T., Type: CR, Title: Procedures for charging-function-addresses P-header

Discussion : CR013 is replaced by this new agreed one.

Conclusion : Agreed

N1-021169 : 24.229v500 CR#024r2, Lucent T., Type: CR, Title: Replacement of COMET by UPDATE

Discussion :

Conclusion : Agreed

N1-021170 : 24.229v500 CR#097, Lucent T., Type: CR, Title: SDP types

Discussion : Currently the SDP tables in the document 24.229 do not describe the usage of the SDP descriptors in the IMS CN subsystem.

The notation was subject for change, but not the technical content,- except for one comment.

Conclusion : Revised to 1467

N1-021467 : 24.229v500 CR#097r1, Lucent T., Type: CR, Title: SDP types

Discussion :

Conclusion : Agreed

N1-021171 : 24.229v500 CR#098, Lucent T., Type: CR, Title: Usage of SDP by the UE

Discussion : The current text in the subclause 6.1 of the document 24.229 does not reflect the recently adopted offer/answer model for media negotiation.

This is an alternativ to 1259. 'At any time' must mean that it is after call setup. A new offer should be possible before any answer is received to the previous offer, deleting the resource reservation. Deletion of terminal capabilities and user preferences was not acceptable since they were earlier agreed to go into the first offer. 1259 will be revised to 1453 where some of this content will be merged.

Conclusion : Rejected

N1-021172 : 24.229v500 CR#099, Lucent T., Type: CR, Title: Generalised offer/answer procedure

Discussion : The current version of the document 24.229 does not specify the behaviour of the UE-resident UAS when it receives an initial INVITE that indicates that the precondition procedure is not supported by the calling endpoint. It is recommended that - prior to accepting the offered media streams - the UAS reserves local resources.

It was proposed that the receiver should not accept the offer, but return error code 421 that the precondition must be included due to charging issues. By allowing this for terminating calls, it was believed by some that the network problems for this exception case did not outweigh the benefit. The proposal was also intended for flexibility in interworking scenarios to be more SIP like terminal.

Conclusion : Rejected

N1-021190 : 24.229v500 CR#113, H3G, Type: CR, Title: SIP Default Timers

Discussion : The delays to SIP messages on the air interface will cause some SIP messages to be unnecessarily retransmitted, utilising additional air interface bandwidth. The default values of the timers defined in SIP are modified to prevent this.

The last sentence in 7.7 should be a NOTE as informative text. The table headers to be modified and having some description in the text on what it is and the type of requirement. T1 default was proposed to be 2s. Which entities should use these default timers ?

Conclusion : Revised to 1465

N1-021465 : 24.229v500 CR#113r1, H3G, Type: CR, Title: SIP Default Timers

Discussion : Is it implementable to have a P-CSCF have SIP stack having different timers towards the UE and the network ? The timer values are recommendations and not requirements.

Conclusion : Agreed

N1-021199 : 24.229v500 CR#115, Ericsson, Type: CR, Title: Support for ISIMless UICC

Discussion : Addition of a pointer to 23.003 in the case the UICC does not contain the ISIM application. Clarification that the S-CSCF gets barred and non-barred implicitley public user identities from the HSS. Only the non-barred IDs are bound to the Contact. Clarification that the S-CSCF does not send the barred public user IDs in the NOTIFY. Addition of the S-CSCF barring an attempt to initiate or terminate a session with a barred public ID.

From 23.228 the barred public identities are not used for IMS communication. Subscribe notification is needed, but the barred public id is only used in response to the register and not revealed to the user. Linked to 1322 which will be merged into the revision of 1199.

Conclusion : Revised to 1441

N1-021441 : 24.229v500 CR#115r1, Ericsson, Type: CR, Title: Support for ISIMless UICC

Discussion : Dependency between 1424, 1461, 1405, 1461 and there is an LS in 14445.

Conclusion : *Agreed*

N1-021212 : Nortel, Type: DISCUSSION, Title: Backwards compatibility improvements to IMS Signalling Flag

Discussion : This is related to the discussion in 1217, and in principal proposes to indicate the same with the authorization token. This new data would require change to terminology in several specs.

Conclusion : *Noted*

N1-021213 : 24.008v530 CR#621, Nortel, Type: CR, Title: Backwards compatibility improvements to IMS Signalling Flag

Discussion :

Conclusion : *Rejected*

N1-021214 : 24.229v530 CR#117, Nortel, Type: CR, Title: Backwards compatibility improvements to IMS Signalling Flag

Discussion : Replace the IM CN signalling flag with a distinguished value of the authorisation token for IM CN signalling in the PCO IE. The value of the Authorisation Token to be used to request IM CN Subsystem signalling policy is defined in 29.207.

If authorization token is used the Go interface is needed also for very basic service, and the split of functionality in stage 2 between binding and signalling flag needs to be redone.

Conclusion : *Rejected*

N1-021264 : 24.229v500 CR#122, Lucent T., Type: CR, Title: SDP procedures at MGCF

Discussion : The current text indicates that the MGCF behaves as an UA. However, the described MGCF behaviour is not consistent with the behaviour of the UA.

ITU-T is working on interworking specifications and a proposal was to follow their output when available if this is a subset to what comes there. Seems not to be the case as this is local to 3GPP.

Conclusion : *Agreed*

N1-021265 : 24.229v500 CR#123, Lucent T., Type: CR, Title: AS determination of MO/MT

Discussion : There are some AS services that may depend upon knowledge of the direction of an INVITE request. For example, a call forwarding service should only operate on incoming calls directed towards a UE (not calls originated from the UE). A mechanism was put in place for the P-CSCF and S-CSCF during registration to determine the direction of subsequent INVITE requests. The same mechanism should be available to an AS.

The filter criteria is triggered in a unique way giving the AS the possibility to obtain this information locally. Support for the proposal by an operator was that it would be beneficial in multivendor environment. Many voiced for not standardize this for the AS since several solutions apart from filter criteria is possible, eg AS addresses or ports for incoming and outgoing. For CAMEL and OSA it might be needed a WID for CN2 and CN5 to standardize something.

Conclusion : *Rejected*

N1-021288 : 24.008v530 CR#629, Nokia, Type: CR, Title: New cause value for media authorization failure in PCF.

Discussion :

Conclusion : *Not available*

N1-021289 : 24.008v530 CR#630, Nokia, Type: CR, Title: Support for IMS media Multiplexing in Session Management - TFT enhancement

Discussion : Chapter 10.5.6.12 *Traffic Flow Template*, the mandate to ignore all instances of Authorisation Token but the last one, is modified so that all instances shall be considered. This is based on a recent SA2 decision.

Conclusion : Agreed

N1-021311 : Siemens, Type: DISCUSSION, Title: Charging of IMS signaling context(s) in SGSN

Discussion : It is not possible to treat a PDP context in the SGSN that is used for IMS signaling in a specific way compared to an all-purpose PDP context. However, this is discussed in SA5 and possibly required by CN1. There is a clarification needed on the opinion of CN1 concerning this issue.

SGSN would find the information about IMS signalling if sent as flag from UE without waiting for response from GGSN. However the possible dependency between the 2 indications in PCO and QoS was seen as a problem. The charging could be different for SGSN and GGSN towards a common charging gateway. A secure way of informing SGSN from GGSN was needed, and not sent from UE and policed by GGSN. Does the SGSN need to distinguish between signalling PDP context and other PDP context? Yes, this is needed so that SGSN does not create charging information for PDP contexts which GGSN will find out to be signalling PDP context and therefore not chargeable. A GTP change is proposed for the indication, one alternative would be taking one of the QoS bits. This QoS indication would need to be set by UE but it does not open up the network for fraud as GGSN is able to check both QoS and PCO signalling PDP context and it can control the charging accordingly. The QoS alternative could also be implemented by setting this indication from GGSN to SGSN. Agreed that SGSN needs the indication and probably that a new GTP IE is needed.

Conclusion : Noted

N1-021325 : 24.229v500 CR#128, Nokia, Type: CR, Title: Number of media components per PDP Context

Discussion :

Conclusion : Revised to 1476

N1-021476 : 24.229v500 CR#128r1, Nokia, Type: CR, Title: Number of media components per PDP Context

Discussion :

Conclusion : Withdrawn

N1-021331 : 24.228v500 CR#052, Vodafone, Type: CR, Title: Introduction of P-Access-Network-Info header

Discussion :

Conclusion : Not available

N1-021332 : 24.229v500 CR#129, Vodafone, Type: CR, Title: Introduction of P-Access-Network-Info header

Discussion : The access network information and cell-ID information will no longer be encoded in the XML body, but will instead be carried in a private SIP extension header, the P-Access-Network-Info header, as defined in draft-mills-sip-access-network-info-01.txt. This CR reflects this change in working assumption.

Interaction with 2 other CRs. Cell-ID bit order needs more detail. More comments to be taken into consideration.

Conclusion : Revised to 1498

N1-021498 : 24.229v500 CR#129r1, Vodafone, Type: CR, Title: Introduction of P-Access-Network-Info header

Discussion :

Conclusion : Agreed

N1-021335 : 24.008v530 CR#634, Nokia, Type: CR, Title: PCO in Session Management procedures

Discussion : During SA#22 meeting it was agreed the convenience of adding PCO IE to other PDP context procedures than the currently existing ones (see S2-021530). The reason for this is to avoid backward compatibility problems in future releases. This was discussed during the joint meeting with CN1 and the starting point was adding PCO to the PDP context modification procedure and the possible use case was to prepare 24.008 for signalling flags for future application level signalling. Same reasoning should be used for rejected messages since in there a need for GGSN to indicate to UE why the PDP context procedure failed in a transparent manner.

What would the reject codes in 24.008 be and the followup CR would be good to see now. More generic text to be used. Merge 1219 into the revision of this to have all PCOs included in all messages.

Conclusion : Revised to 1475

N1-021475 : 24.008v530 CR#634r1, Nokia, Type: CR, Title: PCO in Session Management procedures

Discussion :

Conclusion : Agreed

N1-021353 : 24.228v500 CR#053, Lucent T., Type: CR, Title: Removal of Referred-By header from specification

Discussion :

Conclusion : Agreed

N1-021354 : 24.229v500 CR#133, Lucent T., Type: CR, Title: Removal of Referred-By header from specification

Discussion :

Conclusion : Agreed

N1-021355 : 24.229v500 Lucent T., Type: DISCUSSION, Title: An analysis of the Requirements of the Record-Route header

Discussion : Proxies do not Record-Route.

Conclusion : Noted

N1-021357 : 24.229v500 CR#134, Lucent T., Type: CR, Title: Handling of Record-Route header in profile tables

Discussion :

Conclusion : Agreed

N1-021358 : 24.229v500 CR#135, Lucent T., Type: CR, Title: Asserted identities and privacy

Discussion :

Conclusion : Postponed

N1-021359 : 24.229v500 CR#136, Lucent T., Type: CR, Title: Removal of caller preferences from specification

Discussion :

Conclusion : Agreed

N1-021360 : 24.229v500 CR#137, Lucent T., Type: CR, Title: Substitution of REFER references

Discussion : The references to the REFER draft are updated. The Referred-By header is covered by a separate CR. The message bodies are completed for sipfrag, and a reference is added.

Conclusion : Agreed

N1-021361 : 24.229v500 CR#138, Lucent T., Type: CR, Title: Removal of session timer from specification

Discussion :

Conclusion : Agreed

N1-021440 : 24.229v500 CR#073r2, Ericsson, Type: CR, Title: Updates to the procedures involving the iFCs, following the Oulu iFC changes

Discussion : Revision of 1022.

Conclusion : Agreed

7.11 Minor IMS issues

N1-021173 : 24.229v500 CR#100, Lucent T., Type: CR, Title: Removal of State from profile tables

Discussion : The profile tables should only show extensions of SIP and SDP that have achieved RFC status by the time that 24.229 is frozen. It is clear that the state draft in its current form will not achieve that date. Therefore the State header should be removed from the release 5 version of 24.229; if the associated draft achieves RFC status within the timescales of release 6, then it can be reinserted in the release 6 version of 24.229.

It should be noted that the inclusion of the State header in the profile tables is merely to indicate that the header is not supported in the 3GPP profile of SIP.

Conclusion : *Agreed*

N1-021174 : 24.229v500 CR#101, Lucent T., Type: CR, Title: Editor's note cleanup - clause 3

Discussion :

Conclusion : *Agreed*

N1-021175 : 24.229v500 CR#102, Lucent T., Type: CR, Title: Editor's note cleanup - clause 4

Discussion :

Conclusion : *Agreed*

N1-021176 : 24.229v500 CR#103, Lucent T., Type: CR, Title: Editor's note cleanup - clause 5.1 and deletion of void subclauses

Discussion : If COMET is replaced by UPDATE in a conflicting CR, this is editorial as the heading shall be deleted.

Conclusion : *Agreed*

N1-021177 : 24.229v500 CR#104, Lucent T., Type: CR, Title: Editor's note cleanup - clause 5.2 and deletion of void subclauses

Discussion : Editors note on warn code needs to be kept. 5.2.6.2 changes will be removed.

Conclusion : *Revised to 1487*

N1-021487 : 24.229v500 CR#104r1, Lucent T., Type: CR, Title: Editor's note cleanup - clause 5.2 and deletion of void subclauses

Discussion :

Conclusion : *Agreed*

N1-021178 : 24.229v500 CR#105, Lucent T., Type: CR, Title: Editor's note cleanup - clause 5.3

Discussion :

Conclusion : *Agreed*

N1-021179 : 24.229v500 CR#106, Lucent T., Type: CR, Title: Editor's note cleanup - clause 5.4 and deletion of void subclauses

Discussion :

Conclusion : *Agreed*

N1-021180 : 24.229v500 CR#107, Lucent T., Type: CR, Title: Editor's note cleanup - clause 5.5 and deletion of void subclauses

Discussion :

Conclusion : *Agreed*

N1-021181 : 24.229v500 CR#108, Lucent T., Type: CR, Title: Editor's note cleanup - clause 5.7

Discussion : Not available.

Conclusion : *Withdrawn*

N1-021182 : 24.229v500 CR#109, Lucent T., Type: CR, Title: Editor's note cleanup - clause 5.8 and deletion of void subclauses

Discussion : Not available.

Conclusion : *Withdrawn*

N1-021183 : 24.229v500 CR#110, Lucent T., Type: CR, Title: Editor's note cleanup - clause 6

Discussion :

Conclusion : *Agreed*

N1-021184 : 24.229v500 CR#111, Lucent T., Type: CR, Title: Editor's note cleanup - clause 9

Discussion :

Conclusion : *Agreed*

N1-021185 : 24.229v500 CR#112, Lucent T., Type: CR, Title: Identification of supported IETF drafts within this release

Discussion : IETF specifications continued to be added to SIP, SDP and other protocols. A statement is needed to state which drafts are included in this version of this specification, and which will be covered in later releases. The date of freezing of 24.229 has been chosen as the breakpoint for release 5. Later IETF specifications will be covered in later releases of 24.229.

Since versions is not used in IETF it was questioned what would be obtained by the note if an RFC is not referenced. If an RFC number is broken the new RFC is needed depending wether it is extension to the previous or just corrections. This is however Rel-6 issues. The note needs more work to be accepted, but principally it was agreed. The meeting agreed the principle that SIP changes in IETF specified by new RFCs can be brought to 3GPP Rel-5 specification after freezing if it can be justified as correction to frozen release. Therefore additional new features specified by new RFCs will need to be specified in later 3GPP releases.

Conclusion : *Rejected*

N1-021232 : 24.228v500 CR#041, Nokia, Type: CR, Title: Changing COMET to UPDATE in chapter 5

Discussion :

Conclusion : *Agreed*

N1-021233 : 24.228v500 CR#042, Nokia, Type: CR, Title: Update of chapter 7.4.8

Discussion :

Conclusion : *Agreed*

N1-021267 : 24.228v500 CR#048, Lucent T., Type: CR, Title: Addition of tokenization to key

Discussion :

Conclusion : *Not treated due to time*

N1-021356 : 24.228v500 CR#054, Lucent T., Type: CR, Title: Removal of editor's notes - clause 1 through 4 and other minor changes

Discussion :

Conclusion : *Not treated due to time*

7.12 IMS: 23.218

N1-021121 : 23.218v500 CR#00r3, NEC, Type: CR, Title: Passing charging correlation information

Discussion : Revision is required for the sentence ‘It is implementation dependent’ needs to be clarified that it is when P-CSCF is in the visited network, and that SGSN and GGSN should not be listed, as they do not use CCF – they use existing CGF as in pre-release 5 specifications.

Conclusion : *Revised to 1423*

N1-021423 : 23.218v500 CR#00r4, NEC, Type: CR, Title: Passing charging correlation information

Discussion :

Conclusion : *Agreed*

N1-021122 : 23.218v500 CR#003r7, NEC, Type: CR, Title: Clarification on SPI related text

Discussion : 6.4 second sentence – needs rewording in middle, and the words ‘at the registration procedure’ should be deleted from the end of the sentence. Also need to add a reference to 29.229. Added sentence in 6.9.2 is not required. Added sentence in 6.9.2.2 – default handling is already defined as the action taken by an S-CSCF if an AS cannot be contacted, so this is not required. This was not agreed by the originator, so offline discussion is needed to resolve this. Added sentence in 6.9.2.3 – CN4 are specifying a ‘tag’ to identify for each trigger point whether it relates to MO, MT, or unregistered user – these are SPI’s. Need an offline discussion to clarify the CN4 status on these issues. Three CRs are merged to one in 1405: N1-021122, 1250, 1317.

Conclusion : *Replaced by 1405*

N1-021123 : 23.218v500 CR#009r2, NEC, Type:CR, Title: 23.218: Clarifications on Interworking with external ASs

Discussion : Text is agreed to be included in the informative annex. It will be merged into a revision of N1-021198.

Conclusion : *Rejected but merged into 1404*

N1-021124 : 23.218v500 CR#013, NEC, Type: CR, Title: Reduction on scale of OSA-SCS

Discussion :

Conclusion : *Withdrawn*

N1-021186 : 23.218v500 CR#014, Lucent T., Type: CR, Title: User profile filter criteria updates

Discussion : Change not needed as it is covered in Cx specifications, same comment as for document 1122. Instead add a reference to 24.228 and 24.229 in the modified version of the second sentence.

Conclusion : *Revised to 1384*

N1-021384 : 23.218v500 CR#014r1, Lucent T., Type: CR, Title: User profile filter criteria updates

Discussion :

Conclusion : *Agreed*

N1-021187 : 23.218v500 CR#015, Lucent T., Type: CR, Title: Add references for Sh and Si interfaces

Discussion : Need to add a note on cover sheet about reference numbers also affected by CR006.

Conclusion : *Revised to 1385*

N1-021385 : 23.218v500 CR#015r1, Lucent T., Type: CR, Title: Add references for Sh and Si interfaces

Discussion :

Conclusion : *Agreed*

N1-021198 : 23.218v500 CR#016, Ericsson, Type: CR, Title: SIP Application Server acting as a Gateways to an external Application Server; and OSA API usage.

Discussion : Text from related CR in N1-021123 needs to be included.

Conclusion : Revised to 1404

N1-021404 : 23.218v500 CR#016r1, Ericsson, Type: CR, Title: SIP Application Server acting as a Gatewas to an external Application Server; and OSA API usage.

Discussion : Taking normative text to the annexes was questioned, but due to no clear statements was in that part the move was accepted.

Conclusion : Agreed

N1-021249 : 23.218v500 CR#017, Dynamicsoft, Type: CR, Title: Clarification to Handling of IP multimedia registration for barred public user identities

Discussion : The proposed text was not agreed, and it was not clear if any changes were required to accommodate the behaviour for T-IMP. Revision document was assumed to allow proposal of the necessary clarifications, possibly in different areas e.g. in the filter criteria definition.

Conclusion : Revised to 1424

N1-021424 : 23.218v500 CR#017r1, Dynamicsoft, Type: CR, Title: Clarification to Handling of IP multimedia registration for barred public user identities

Discussion : Remove ':' from the header names when implementing the CR.

Conclusion : Agreed

N1-021250 : 23.218v500 CR#003r8, Dynamicsoft, Type: CR, Title: Clarification on SPI related text

Discussion : 4xx response should be sent straight away, no filter criteria applied. We should also send a liaison to SA2 to check if this is the correct understanding of 'barring'.

Conclusion : Replaced by 1317 and LS OUT in 1427 by Andrew A.

N1-021251 : 23.218v500 CR#018, Dynamicsoft, Type: CR, Title: Clarification to use of Service Information

Discussion : Would restrict services and mean that an AS would need to be registration aware if it wanted Service Information. Some support for the concept, but not in the form proposed here.

Conclusion : Rejected

N1-021252 : 23.218v500 CR#019, Dynamicsoft, Type: CR, Title: Correction of COMET to UPDATE in 23.218

Discussion :

Conclusion : Agreed

N1-021253 : 23.218v500 CR#012r3, Dynamicsoft, Type: CR, Title: Update of the S-CSCF AS relationship, for REGISTER

Discussion : Editorial modifications to already agreed CR in Madrid meeting. These will be included in the revised version of N1-021321.

Conclusion : Rejected

N1-021317 : 23.218v500 CR#003r9, Ericsson, Type: CR, Title: Clarification on SPI related text

Discussion : The next revision should also incorporate N1-021122 and N1-021250. With the current changes the distinction between 6.5.1 and 6.5.2 is no longer required.

Conclusion : Revised to 1405

N1-021405 : 23.218v500 CR#003r10, Ericsson, Type: CR, Title: Clarification on SPI related text

Discussion : Note 2 has a 'shall' which is not appropriate in informative text. In 6.5.2 clarification is also needed later, thus not being in conflict with 24.229 which should have 'presedence'.

Conclusion : Agreed

N1-021321 : 23.218v500 CR#012r4, NEC, Type: CR, Title: Update of the S-CSCF AS relationship, for REGISTER

Discussion : To clarify the AS actions it is needed to add a statement into 9.4.3. First change in seconds paragraph is not needed as it duplicates first paragraph in the existing text. Last sentence added to second paragraph should be changed to a reference to 29.228 and 29.229. Final sentence in the clause should be left as it is, but it should be moved to earlier in the section to avoid confusion. Include editorials from related CR in N1-021253.

Conclusion : Revised to 1425

N1-021425 : 23.218v500 CR#012r5, NEC, Type: CR, Title: Update of the S-CSCF AS relationship, for REGISTER

Discussion :**Conclusion : Agreed**

7.13 Pre-agreed proposals from Madrid ad hoc meeting

Intended to be agreed en-bloc for the 29 pre-agreed proposals below, but since this and last adhoc meeting saw many revisions to these documents only those indicated agreed remains agreed, in total 19 formally agreed.

The others can be seen with comments in the right coloumn indicating the revision that was agreed in CN1#24 . As an example from the first row;- the 'new agreed' N1-021405 replaces the 'old agreed' N1-021102 from the SIP ad hoc meeting which again replaces the 'very old agreed' N1-020953 from CN1#23.

Additionally changes to agreed CRs from CN1#23 is listed in the bottom of the table for completeness.

	<i>These CRs were discussed and agreed in CN1 SIP ad hoc in Madrid. These documents will be provided for formal agreement as one package.</i>		Conclusions: If a later version of a CR agreed in Madrid meeting is agreed in this meeting, then the earlier Madrid revision of the CR is replaced with the later agreed version. If a later version of a CR agreed in Madrid meeting is rejected in this meeting, then the earlier Madrid revision of the CR still stands.
N1-021102	23.218: Clarifications on default handling procedure	23.218	Revised to 1122 -> 1250 -> 1317 -> 1405 Updates CR agreed at CN1#23 (N1-020953) New CR003r10
N1-021103	Update of the S-CSCF AS relationship, for REGISTER	23.218	Revised to 1321(+N1-021253) -> 1425 New CR012r5
N1-021040	S-S#3 update	24.228	Agreed. CR023
N1-021041	S-S#4 update	24.228	Revised to N1-021229 New CR024r1
N1-021061	MO, S-S, MT #1a reference flow update	24.228	Agreed Updates CR agreed at CN1#23 (N1-020933) CR004r3
N1-021092	MO, S-S, MT #2 reference flows update	24.228	Revised to N1-021243 -> 1422 -> 1505

			New CR019r5
N1-021098	CS-O, CS-T Reference flow update	24.228	Revised to N1-021239 New CR025r3
N1-021087	Addition of DHCPv6 references to 24.228	24.228	Agreed CR022r1
N1-021054	Representing the registrar as a UA	24.229	Agreed. CR058r2
N1-021059	Simplification of profile tables	24.229	Agreed. Updates CR agreed at CN1#23 (N1-020837) CR047r2
N1-021063	Restructuring of S-CSCF registration sections	24.229	Revised to N1-021109 -> 1200 -> 1247 -> 1319 -> 1432 -> 1507 -> 1511 Updates CR agreed at CN1#23 (N1-020969) CR060r10
N1-021085	Support for services for unregistered users	24.229	Revised to N1-021318 -> 1454 -> 1506 CR008r7 Collision with many other CRs. This is the one containing the real changes to 5.4.3.2 . The changes on 5.4.3.2 contained in CRs CRs 12, 13, 18, 25, 31, 60, 62, 73 must not be implemented. Interacts also with CR18, 13, 12, 62, 31, 61(updated in 1060) – see cover sheet
N1-021090	DNS-NAPTR Query	24.228	Agreed. CR017r2
N1-021095	Introduction of IPv6 prefix and binding information	24.229	Revised to N1-021204 -> N1-021447 -> 1486 New CR080r3
N1-021096	Definition of the Tokenised-by parameter	24.229	Agreed CR069r2
N1-021078	I-CSCF routing of dialog requests	24.229	Agreed. CR068r1
N1-021097	S-CSCF routing of MO calls	24.229	Agreed. CR067r2
N1-021083	Clarification to URL and address assignments	24.229	Agreed. CR075r1 Collides with N1-020940. Changes in clause 5.4.1.2.1 in this CR can not be implemented.
N1-	Addition of DHCPv6 references to	24.229	Agreed.

021086	24.229		CR074r1
N1-021099	Corrections to SIP Compression	24.229	Revised to N1-021334 -> 1399 -> 1459 -> 1499 Updates CR agreed at CN1#23 (N1-020945) New CR036r8
N1-021001	Annex A editorials, including precondition additions	24.229	Agreed. CR057r1
N1-021003	Delivery of IMS security parameters from S-CSCF to the P-CSCF by using proprietary auth-param	24.229	Agreed. Updates CR agreed at CN1#23 (N1-020915) CR041r2
N1-021004	Incorporation of previously agreed corrections to clause 5.2.5.2 (N1-020416)	24.229	Agreed. CR064
N1-021005	Clause 7.2 editorial corrections	24.229	Agreed. CR065
N1-021006	P-CSCF release of an existing session	24.229	Agreed. Updates CR agreed at CN1#23 (N1-020938) CR030r2
N1-021007	Integrity protection signalling from the P-CSCF to the S-CSCF	24.229	Agreed. Updates CR agreed at CN1#23 (N1-020901) CR053r2
N1-021091	Incorporation of current RFC numbers	24.229	Agreed. CR025r3 Collision with many CRs, changes in 5.4.3.2 in this CR can not be implemented.
N1-021060	Determination of MOC / MTC at P-CSCF and S-CSCF	24.229	Agreed. Updates CR agreed at CN1#23 (N1-020958) CR061r2
N1-021022	Updates to the procedures involving the iFCs, following the Oulu iFC changes	24.229	Revised to N1-021320 -> N1-021440 New CR 073r2 Collision with N1-021085. Changes to clause 5.4.3.2 in this CR must not be implemented.
	<i>These CRs were discussed and agreed in CN1#23</i>		<i>These CRs were agreed in CN1#24 and replacing the one from CN1#23</i>
N1-020937	Passing charging correlation information	23.218	Revised to N1-021033 -> 1121 ->1423 New CR 004r4
N1-020970	Determination of MO / MT requests in I-CSCF(THIG)	24.229	Revised to N1-021248 New CR 028r4

N1-020885	RR protocol message type octet	24.007	Revised to N1-021340 New CR 046r2
N1-020886	RR protocol message type octet	24.007	Revised to N1-021341 New CR 047r2

8 Release 6 work items

8.1 Presence

N1-021188 : Lucent T., Type: DISCUSSION, Title: Discussion on documentation for Presence

Discussion : Outlines a way to put the material as it evolves, and is almost equal to what was seen in earlier meetings. Agreed in principle the proposal to create a temporary .800-series TR for collecting requirements for presence WI.

- Initial draft of the proposed TR is in N1-021189.
- Keith Drage from Lucent volunteered to be the editor of the TR.
- Discussion on whether presence and messaging issues should be both covered in the same TR. This can not be solved now.

Conclusion : *Noted*

N1-021189 : Lucent T., Type: TR, Title: Holding document for Release 6 Presence documentation

Discussion :

Conclusion : *Noted*

N1-021195 : Siemens, Type: DISCUSSION, Title: 3GPP requirements and IETF solutions for presence

Discussion :

Conclusion : *Withdrawn*

8.2 MBMS (Multimedia Broadcast Multicast Services)

None provided.

8.3 Other Rel-6 issues

None provided.

9 LS OUT (output liaison statements)

N1-021364 : Hannu, Type: LS OUT , **To:** RAN2, **Cc:** , Title: Liaison Statement on UE behaviour when network fails authentication

Discussion : Reply to N1-020683. Related CRs in N1-021278, 1389 – 1390 have been agreed already.

Conclusion : *Agreed*

N1-021365 : Roland, Type: LS OUT , **To:** GERAN2, **Cc:** Title: Response LS on "Alternative coding of the MS RAC IE"

Discussion : Reply to N1-021117. Related CRs in N1-021396 – 1398 are all agreed.

Conclusion : Agreed

N1-021427 : Andrew A., Type: LS OUT , **To:** SA1, SA2, **Cc:** SA3, CN4, T3, Title: Response Liaison Statement on IMS Identities for R99/R4 UICC

Discussion : Related with N1-021405. Should have clarification from SA2 whether barring was appropriate for anything else ? This issue will be brought up on the presentation in SA2. MCC to add N4-020774.

Conclusion : Agreed

N1-021446 : Duncan, Type: LS OUT , **To:** CN4, **Cc:** Title: Liaison Statement on Deriving IMS parameters from a Pre-Release 5 UICC

Discussion : The related CR was revised and therefore N1-021461 should be attached instead of the suggested 1445.

Conclusion : Agreed

N1-021455 : Sunil, Type: LS OUT, **To:** GSMA SerG, GSMA IREG, **Cc:** CN4, SA2, CN, Title: Liaison Statement on 3GPP Network Domain Name usage for IMS

Discussion : Related with CR in N1-021461. Editorial comments to be implemented by MCC. Furthermore, the proposed CN1 CR to be attached to the LS was revised by CN4 in their review of it and the new version is N4-020774.

Conclusion : Agreed

N1-021477 : Jeremy, Type: LS OUT , **To:** GERAN, SA1, **Cc:** , Title: Terminal determination of network support of EDGE

Discussion : Related with N1-021208.

Conclusion : Agreed

10 Late and misplaced documents

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

11 Any Other Business (AOB)

None provided.

12 Closing of the meeting

16:30 Friday 17.05.2002

Review of dates and hosts for future meetings

Meeting schedule for CN1 in 2002

3GPP Meeting	Date	Place	Host
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	Oulu, Finland	Elisa Communications, Finnet, Nokia, Sonera, Viestintävirasto

TSGN#15	6-8 March 2002	Korea	TTA
N1#23	8-12 April 2002	Fort Lauderdale, FL, USA	NA 'Friends of 3GPP'
N1-SIPadhoc0204	23-25 April 2002	Madrid, Spain	Telefonica, Ericsson
N1#24	13-17 May 2002	Budapest, Hungary	Ericsson
TSGN#16	5-7 June 2002	Marco Island, FL, USA	Motorola
N1#25	29.July-2.August 2002	Helsinki, Finland	Sonera
TSGN#17	4-6 September 2002	France	Alcatel
N1#26	23-27 September 2002	USA ?	?
N1#27	11-15 November 2002	Bangkok, Thailand	Japanese Friends of 3GPP
TSGN#18	4-6 December 2002	New Orleans ?, USA	NA 'Friends of 3GPP'

Annex A Void. (Joint meeting report)

Please see section 6.

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Organisation partner representative (ETSI)

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Annex C Agreed CRs

See agenda item 7.13 for the list of CRs that were formally agreed in CN1#24 from the CN1#SIPadhoc0204 pre-agreed en-bloc list. The list contained 29 proposed CRs of which 19 was formally agreed and is listed below for completeness and shall be taken to plenary. The remaining 10 listed as agreed in Minutes of meetings and databases from CN1#SIPadhoc0204 is not considered for plenary, and therefore 'Agreed' in Minutes of meetings and databases from CN1#SIPadhoc0204 is overruled with the conclusion 'Replaced by N1-02xxxx'. Meaning that CN1#24 has agreed CRs as listed in the table below, superceding the decisions taken and minuted from that ad hoc meeting.

Formally Agreed CRs from CN1#SIPadhoc0204 that shall be taken to plenary in CN#16 (details of the documents can be found in minutes from CN1#SIPadhoc0204):

N1-021001
N1-021003
N1-021004
N1-021005
N1-021006
N1-021007
N1-021040
N1-021054
N1-021059
N1-021060
N1-021061
N1-021078
N1-021083
N1-021086
N1-021087
N1-021090
N1-021091

N1-021096
N1-021097

Agenda item 7.13 also lists changes needed to override 'Agreed' in Minutes of meetings and databases from CN1#23 to a new conclusion like 'Replaced by N1-02xxxx'. Meaning that CN1#24 has agreed CRs as listed below, superceding the decision taken and minuted from CN1#23. The following 'agreed' tdocs (CRs) in CN1#23 minutes are not taken to plenary in CN#16:

N1-020885
N1-020886
N1-020937
N1-020945
N1-020953
N1-020969
N1-020970

Additionally CN1#SIPadhoc0204 superceded the decision taken and minuted from CN1#23. The following 'agreed' tdocs (CRs) in CN1#23 minutes are not taken to plenary in CN#16:

N1-020837
N1-020901
N1-020915
N1-020933
N1-020938
N1-020958

TDoc #	Spec	CR #	Rev	CAT	Rel	C_Ver sion	Tdoc Title	Type	WI	Status
N1-021491	09.94	A010	2	F	Ph. 2	4.5.0	QoS IE length	CR	TEI	AGREED
N1-021493	09.94	A011	2	A	R96	4.5.0	QoS IE length	CR	TEI	AGREED
N1-021494	09.94	A012	2	A	R97	4.5.0	QoS IE length	CR	TEI	AGREED
N1-021495	09.94	A013	2	A	R98	4.5.0	QoS IE length	CR	TEI	AGREED
N1-021280	23.009	069		F	R99	3.9.0	Clarification of the end of supervision after inter-MSC handover	CR	GSM/UMTS Interworking	AGREED
N1-021281	23.009	070		A	Rel-4	4.3.0	Clarification of the end of supervision after inter-MSC handover	CR	GSM/UMTS Interworking	AGREED
N1-021282	23.009	071		A	Rel-5	5.0.0	Clarification of the end of supervision after inter-MSC handover	CR	GSM/UMTS Interworking	AGREED
N1-021426	23.009	074	1	F	Rel-5	5.0.0	Clarification that Multicall is not supported in GERAN lu-mode	CR	TEI5	AGREED
N1-021393	23.009	075	1	F	Rel-99	3.9.0	Handling of Service Handover parameter in non-anchor	CR	GSM/UMTS Interworking	AGREED
N1-021394	23.009	076	1	A	Rel-4	4.3.0	Handling of Service Handover parameter in non-anchor	CR	GSM/UMTS Interworking	AGREED
N1-021395	23.009	077	1	A	Rel-5	5.0.0	Handling of Service Handover parameter in non-	CR	GSM/UMTS	AGREED

							anchor		Interworking	
N1-021408	23.122	048		F	Rel-5	4.1.0	Role of the equivalent PLMNs list in the PLMN user reselection	CR	GPRS	AGREED
N1-021405	23.218	003	10	F	Rel-5	5.0.0	Clarification on SPI related text	CR	IMS-CCR	AGREED
N1-021423	23.218	004	4	F	Rel-5	5.0.0	Passing charging correlation information	CR	IMS-CCR	AGREED
N1-021425	23.218	012	5	F	Rel-5	5.0.0	Update of the S-CSCF AS relationship, for REGISTER	CR	IMS-CCR	AGREED
N1-021384	23.218	014	1	F	Rel-5	5.0.0	User profile filter criteria updates	CR	IMS-CCR	AGREED
N1-021385	23.218	015	1	F	Rel-5	5.0.0	Add references for Sh and Si interfaces	CR	IMS-CCR	AGREED
N1-021404	23.218	016	1	F	Rel-5	5.0.0	SIP Application Server acting as a Gateways to an external Application Server; and OSA API usage.	CR	IMS-CCR	AGREED
N1-021424	23.218	017	1	F	Rel-5	5.0.0	Clarification to Handling of IP multimedia registration for barred public user identities	CR	IMS-CCR	AGREED
N1-021252	23.218	019		F	Rel-5	5.0.0	Correction of COMET to UPDATE in 23.218	CR	IMS-CCR	AGREED
N1-021340	24.007	046	2	F	R99	3.8.0	RR protocol message type octet	CR	GSM-UMTS IW	AGREED
N1-021341	24.007	047	2	A	Rel-4	4.1.0	RR protocol message type octet	CR	GSM-UMTS IW	AGREED
N1-021366	24.007	052	1	F	R99	3.8.0	Various clean-up of wrong references, eg towards 04.18 and 23.171	CR	TEI	AGREED
N1-021367	24.007	053	1	F	Rel-4	4.1.0	Various clean-up of wrong references, eg towards 44.018 and 23.271	CR	TEI4	AGREED
N1-021389	24.008	576	4	F	R99	3.11.0	Authentication not accepted by MS	CR	TEI	AGREED
N1-021390	24.008	577	4	A	Rel-4	4.6.0	Authentication not accepted by MS	CR	TEI	AGREED
N1-021278	24.008	578	2	A	Rel-5	5.3.0	Authentication not accepted by MS	CR	TEI	AGREED
N1-021388	24.008	592	2	A	Rel-5	5.3.0	Impact of regional roaming restrictions on the MM state	CR	GSM/UMTS Interworking	AGREED
N1-021127	24.008	615		F	Rel-5	5.3.0	Deletion of ePLMN list when the fifth RAU attempt is reached	CR	TEI5	AGREED
N1-021407	24.008	618	1	F	Rel-5	5.3.0	Conditions when to update the "RPLMN Last used Access Technology" information	CR	GPRS	AGREED
N1-021409	24.008	619	1	F	Rel-5	5.3.0	SIM removal and change of RA during detach procedure	CR	GPRS	AGREED
N1-021370	24.008	623	1	F	R99	3.11.0	Conflicting behaviour when UE receives AUTHENTICATION_REJECT	CR	Security	AGREED
N1-	24.008	624	1	A	Rel 4	4.6.0	Conflicting behaviour when	CR	Securi	AGREED

021371							UE receives AUTHENTICATION_REJECT		ty	
N1-021372	24.008	625	1	A	Rel 5	5.3.0.	Conflicting behaviour when UE receives AUTHENTICATION_REJECT	CR	Security	AGREED
N1-021279	24.008	626		F	Rel-5	5.3.0	Correction of definition of SSD in QoS IE	CR	TEI5	AGREED
N1-021386	24.008	627	1	F	R99	3.11.0	Impact of regional roaming restrictions on the MM state	CR	GSM/UMTS Interworking	AGREED
N1-021387	24.008	628	1	A	Rel-4	4.6.0	Impact of regional roaming restrictions on the MM state	CR	GSM/UMTS Interworking	AGREED
N1-021289	24.008	630		C	Rel-5	5.3.0	Support for IMS media Multiplexing in Session Management - TFT enhancement	CR	IMS-CCR	AGREED
N1-021308	24.008	631		F	Rel-5	5.3.0	Addition of missing references to TS 25.304	CR	TEI5	AGREED
N1-021431	24.008	632	1	C	Rel-5	5.3.0	DRX parameter update with RAU procedure	CR	TEI5	AGREED
N1-021475	24.008	634	1	F	Rel-5	5.3.0	PCO in Session Management procedures	CR	IMS-CCR	AGREED
N1-021396	24.008	637	1	F	R99	3.11.0	Alternative coding of radio access capabilities	CR	GPRS	AGREED
N1-021397	24.008	638	1	F	Rel-4	4.6.0	Alternative coding of radio access capabilities	CR	GPRS	AGREED
N1-021398	24.008	639	1	F	Rel-5	5.3.0	Alternative coding of radio access capabilities	CR	GPRS	AGREED
N1-021416	24.228	018	3	F	Rel-5	5.0.0	General update of sections 10.1, 10.2 and 10.3	CR	IMS-CCR	AGREED
N1-021505	24.228	019	5	F	Rel-5	5.0.0	MO, S-S, MT #2 reference flows update	CR	IMS-CCR	AGREED
N1-021413	24.228	020	2	F	Rel-5	5.0.0	Session Redirection Flow Update	CR	IMS-CCR	AGREED
N1-021414	24.228	021	2	F	Rel-5	5.0.0	Session Transfer Flow Update	CR	IMS-CCR	AGREED
N1-021229	24.228	024	1	F	Rel-5	5.0.0	S-S#4 update	CR	IMS-CCR	AGREED
N1-021239	24.228	025	3		Rel-5	5.0.0	CS-O, CS-T Reference flow update	CR	IMS-CCR	AGREED
N1-021151	24.228	027		F	Rel-5	5.0.0	Update of Mobile terminal initiated session release flows (non-hiding)	CR	IMS-CCR	AGREED
N1-021473	24.228	028	2	F	Rel-5	5.0.0	Downloading the implicitly registered public user identities from the S-CSCF to P-CSCF	CR	IMS-CCR	AGREED
N1-021464	24.228	029	1	F	Rel-5	5.0.0	Update of Mobile terminal initiated session release flows (hiding)	CR	IMS-CCR	AGREED
N1-021435	24.228	030	1	F	Rel-5	5.0.0	Correction of the subscription to the registration event package	CR	IMS-CCR	AGREED
N1-021415	24.228	031	1	F	Rel-5	5.0.0	Addition of further Media Streams Flow Update	CR	IMS-CCR	AGREED

N1-021500	24.228	034	2	F	Rel-5	5.0.0	MO#1a failures update	CR	IMS-CCR	AGREED
N1-021501	24.228	035	2	F	Rel-5	5.0.0	MT#1a failures update	CR	IMS-CCR	AGREED
N1-021502	24.228	036	2	F	Rel-5	5.0.0	S-S#1a failures update	CR	IMS-CCR	AGREED
N1-021503	24.228	037	2	F	Rel-5	5.0.0	MT#1c + MT#2a update	CR	IMS-CCR	AGREED
N1-021504	24.228	038	2	F	Rel-5	5.0.0	MT#1e update	CR	IMS-CCR	AGREED
N1-021451	24.228	040	1	F	Rel-5	5.0.0	Branch parameter corrections	CR	IMS-CCR	AGREED
N1-021232	24.228	041		F	Rel-5	5.0.0	Changing COMET to UPDATE in chapter 5	CR	IMS-CCR	AGREED
N1-021233	24.228	042		F	Rel-5	5.0.0	Update of chapter 7.4.8	CR	IMS-CCR	AGREED
N1-021381	24.228	044	1	F	Rel-5	5.0.0	S-S#1b reference flows update	CR	IMS-CCR	AGREED
N1-021442	24.228	049	1	F	Rel-5	5.0.0	S-CSCF allocation	CR	IMS-CCR	AGREED
N1-021462	24.228	050	1	F	Rel-5	5.0.0	Correction to Warn codes	CR	IMS-CCR	AGREED
N1-021353	24.228	053		F	Rel-5	5.0.0	Removal of Referred-By header from specification	CR	IMS-CCR	AGREED
N1-021506	24.229	008	7	F	Rel-5	5.0.0	Support for services for unregistered users	CR	IMS-CCR	AGREED
N1-021169	24.229	024	2	C	Rel-5	5.0.0	Replacement of COMET by UPDATE	CR	IMS-CCR	AGREED
N1-021248	24.229	028	4	B	Rel-5	5.0.0	Determination of MO / MT requests in I-CSCF (THIG)	CR	IMS-CCR	AGREED
N1-021499	24.229	036	8	C	Rel-5	5.0.0	Corrections to SIP Compression	CR	IMS-CCR	AGREED
N1-021511	24.229	060	10	F	Rel-5	5.0.0	Restructuring of S-CSCF Registration Sections	CR	IMS-CCR	AGREED
N1-021453	24.229	070	3	F	Rel-5	5.0.0	SDP procedures at UE	CR	IMS-CCR	AGREED
N1-021440	24.229	073	2	F	Rel-5	5.0.0	Updates to the procedures involving the iFCs, following the Oulu iFC changes	CR	IMS-CCR	AGREED
N1-021510	24.229	079	3	F	Rel-5	5.0.0	Downloading the implicitly registered public user identities from the S-CSCF to P-CSCF	CR	IMS-CCR	AGREED
N1-021486	24.229	080	3	B	Rel-5	5.0.0	Introduction of IPv6 prefix and binding information	CR	IMS-CCR	AGREED
N1-021469	24.229	081	2	F	Rel-5	5.0.0	Introduction of Subscription Locator Function Interrogation at I-CSCF in 24.229	CR	IMS-CCR	AGREED
N1-021433	24.229	082	1	C	Rel-5	5.0.0	Introduction of Visited_Network_ID p-header	CR	IMS-CCR	AGREED
N1-021434	24.229	084	1	F	Rel-5	5.0.0	MRFC register addresses	CR	IMS-CCR	AGREED
N1-021470	24.229	085	1	F	Rel-5	5.0.0	MRFC INVITE interface editor's notes	CR	IMS-CCR	AGREED
N1-021471	24.229	086	1	F	Rel-5	5.0.0	MRFC OPTIONS interface editor's notes	CR	IMS-CCR	AGREED
N1-021159	24.229	087		F	Rel-5	5.0.0	MRFC PRACK & INFO editor's notes	CR	IMS-CCR	AGREED
N1-	24.229	088	1	F	Rel-5	5.0.0	MGCF OPTIONS interface	CR	IMS-	AGREED

021472							editor's notes		CCR	
N1-021161	24.229	089		F	Rel-5	5.0.0	MGCF reINVITE editor's notes	CR	IMS-CCR	AGREED
N1-021162	24.229	090		F	Rel-5	5.0.0	3PCC AS editor's notes	CR	IMS-CCR	AGREED
N1-021163	24.229	091		F	Rel-5	5.0.0	AS acting as terminating UA editor's notes	CR	IMS-CCR	AGREED
N1-021466	24.229	092	1	F	Rel-5	5.0.0	AS acting as originating UA editor's notes	CR	IMS-CCR	AGREED
N1-021512	24.229	093	2	F	Rel-5	5.0.0	Charging overview clause	CR	IMS-CCR	AGREED
N1-021456	24.229	094	1	F	Rel-5	5.0.0	Procedures for original-dialog-id P-header	CR	IMS-CCR	AGREED
N1-021513	24.229	095	2	F	Rel-5	5.0.0	Procedures for charging-vector P-header	CR	IMS-CCR	AGREED
N1-021458	24.229	096	1	F	Rel-5	5.0.0	Procedures for charging-function-addresses P-header	CR	IMS-CCR	AGREED
N1-021467	24.229	097	1	F	Rel-5	5.0.0	SDP types	CR	IMS-CCR	AGREED
N1-021173	24.229	100		F	Rel-5	5.0.0	Removal of State from profile tables	CR	IMS-CCR	AGREED
N1-021174	24.229	101		F	Rel-5	5.0.0	Editor's note cleanup - clause 3	CR	IMS-CCR	AGREED
N1-021175	24.229	102		F	Rel-5	5.0.0	Editor's note cleanup - clause 4	CR	IMS-CCR	AGREED
N1-021176	24.229	103		F	Rel-5	5.0.0	Editor's note cleanup - clause 5.1 and deletion of void subclauses	CR	IMS-CCR	AGREED
N1-021487	24.229	104	1	F	Rel-5	5.0.0	Editor's note cleanup - clause 5.2 and deletion of void subclauses	CR	IMS-CCR	AGREED
N1-021178	24.229	105		F	Rel-5	5.0.0	Editor's note cleanup - clause 5.3	CR	IMS-CCR	AGREED
N1-021179	24.229	106		F	Rel-5	5.0.0	Editor's note cleanup - clause 5.4 and deletion of void subclauses	CR	IMS-CCR	AGREED
N1-021180	24.229	107		F	Rel-5	5.0.0	Editor's note cleanup - clause 5.5 and deletion of void subclauses	CR	IMS-CCR	AGREED
N1-021183	24.229	110		F	Rel-5	5.0.0	Editor's note cleanup - clause 6	CR	IMS-CCR	AGREED
N1-021184	24.229	111		F	Rel-5	5.0.0	Editor's note cleanup - clause 9	CR	IMS-CCR	AGREED
N1-021465	24.229	113	1	C	Rel-5	5.0.0	SIP Default Timers	CR	IMS-CCR	AGREED
N1-021436	24.229	114	1	F	Rel-5	5.0.0	Correction of the subscription to the registration event package	CR	IMS-CCR	AGREED
N1-021441	24.229	115	1	B	Rel-5	5.0.0	Support for ISIMless UICC	CR	IMS-CCR	AGREED
N1-021452	24.229	119	1	F	Rel-5	5.0.0	SIP procedures at UE	CR	IMS-CCR	AGREED
N1-021509	24.229	121	2	F	Rel-5	5.0.0	New requirements in the P-CSCF	CR	IMS-CCR	AGREED
N1-021264	24.229	122		F	Rel-5	5.0.0	SDP procedures at MGCF	CR	IMS-CCR	AGREED
N1-021443	24.229	124	1	F	Rel-5	5.0.0	S-CSCF allocation	CR	IMS-CCR	AGREED
N1-021498	24.229	129	1	F	Rel-5	5.0.0	Introduction of P-Access-Network-Info header	CR	IMS-CCR	AGREED

N1-021508	24.229	130	2	F	Rel-5	5.0.0	Usage of Path and P-Service Route	CR	IMS-CCR	AGREED
N1-021354	24.229	133		F	Rel-5	5.0.0	Removal of Referred-By header from specification	CR	IMS-CCR	AGREED
N1-021357	24.229	134		F	Rel-5	5.0.0	Handling of Record-Route header in profile tables	CR	IMS-CCR	AGREED
N1-021359	24.229	136		F	Rel-5	5.0.0	Removal of caller preferences from specification	CR	IMS-CCR	AGREED
N1-021360	24.229	137		F	Rel-5	5.0.0	Substitution of REFER references	CR	IMS-CCR	AGREED
N1-021361	24.229	138		F	Rel-5	5.0.0	Removal of session timer from specification	CR	IMS-CCR	AGREED
N1-021326	29.016	006		F	Rel-4	4.0.0	Various clean-up of wrong references	CR	TEI4	AGREED
N1-021496	29.994	A014	2	A	R99	4.5.0	QoS IE length	CR	TEI	AGREED
N1-021497	29.994	A015	2	A	Rel-4	4.5.0	QoS IE length	CR	TEI	AGREED
N1-021374	29.994	A016	1	A	Rel-5	4.5.0	QoS IE length	CR	TEI	AGREED
N1-021191	44.001	001		F	Rel-4	4.0.0	Various clean-up of wrong references	CR	TEI4	AGREED
N1-021344	44.013	001		F	Rel-4	4.0.0	Various clean-up of wrong references, eg towards 44.018	CR	TEI4	AGREED
N1-021368	44.068	003	1	F	Rel-4	4.2.0	Various clean-up of wrong references, eg towards 44.018	CR	TEI4	AGREED
N1-021369	44.069	003	1	F	Rel-4	4.2.0	Various clean-up of wrong references, eg towards 44.018	CR	TEI4	AGREED

CRs for e-mail agreement

None

Documents Endorsed by N1

None

Annex D Tdoc list (incl. the status)

A g e n d a	TDoc #	Tdoc Title	Source	Spec	WI	C_Ve rsion	Rel	C A T	CR #	Re v	Ty pe	Comments	Status
3	N1-020683	Response to LS (N1-011253) on UE behaviour when network fails authentication procedure	RAN2								LS IN	R2-020596, To: CN1, LS OUT in 873 which were withdrawn. Forwarded from CN1#23	LS OUT in 1364

3	N1-020975	Liaison Statement on "IPv6 update of stage 3 specifications"	CN3								LS IN	N3-020361, To: SA2 CC:CN, CN1, CN2, SA3, SA5,T, T1, T2 Forwarded from CN1#SIP020 4	NOTED
3	N1-020978	Response to LS (N4-020302) on Trace and Availability of IMSI and IMEI	RAN2								LS IN	R2-020796, To: CN4 CC: SA5, SA3, GERAN2, RAN3, CN1 Forwarded from CN1#SIP020 4	NOTED
3	N1-020979	Reply LS on "support for subscriber certificates" from SA3 (S3-020163)	SA5								LS IN	S5-022008, To: SA1, SA3 CC: CN1, CN4, T2, T3 Forwarded from CN1#SIP020 4	NOTED
3	N1-020981	Liaison Statement on co-ordination of data definitions, identified in GUP development	SA5								LS IN	S5-022017, To: T2, SA3, SA4, CN1, CN4, CN5, T3, S2 CC: SA1 Forwarded from CN1#SIP020 4	NOTED
2	N1-021105	Agenda (Budapest0205)	Chairman								AG EN DA		AGREED
3	N1-021106	SA1 Assumptions on IMS identities and UICCs	SA1								LS IN	S1-020871, To: SA2, T3 Cc:SA3, CN1	NOTED
3	N1-021107	Response to LS (N1-020666) on DTMF	RAN2								LS IN	R2-020795, To: CN1, S4, CN3, GERAN2 Cc:S2, CN4	NOTED
7.1 0	N1-021108	Introduction of Subscription Locator Function Interrogation at I-CSCF in 24.229	Orange France	24.229	IMS- CCR	5.0.0	Rel -5	F	081		CR	Not presented.	REVISED TO 1439
7.0 3	N1-021109	Restructuring of S-CSCF Registration Sections	Orange France	24.229	IMS- CCR	5.0.0	Rel -5	F	060 4		CR		REVISED TO 1432
4	N1-021110	Proposed WI:MBMS	H3G								WI D		REVISED TO 1514
7.	N1-	Introduction of	H3G	24.229	IMS-	5.0.0	Rel	C	082		CR		REVISED

03	021111	Visited_Network_ID p-header			CCR		-5															TO 1433
70	N1-021112	SIP Default Timers and Call Set Up Times	H3G		IMS- CCR														DIS C			NOTED
3	N1-021113	Response to LS (N1-020666) on DTMF	GERAN																LS IN	GP-021122, To: CN1 Cc:S2, RAN2		NOTED
3	N1-021114	GERAN Review of CRs to 24.007	GERAN																LS IN	GP-021150, To: CN1 Cc: CN		NOTED
3	N1-021115	Reply to Liaison Statement on SPLIT_PG_CYCLE value	GERAN																LS IN	G2-021262, To: CN1 Cc:		NOTED
3	N1-021116	LS on providing IMS services via the Gb interface	GERAN																LS IN	GP-021288, To: SA2 Cc: CN1, SA1		NOTED
3	N1-021117	LS on "Alternative coding of the MS RAC IE"	GERAN																LS IN	GP-021290, To: CN1 Cc:		LS OUT in 1365
707	N1-021118	24.229: Alignment with 23.815 regarding overview of charging information	NEC/Yukio Kawanami	24.229	IMS- CCR	5.0.0	Rel -5	F	002	4									CR			REJECTE D
707	N1-021119	Passing charging addresses	NEC/Yukio Kawanami	24.229	IMS- CCR	5.0.0	Rel -5	F	013	3									CR	Not presented.		REVISED TO 1381
70	N1-021120	24.229: Clarifications on IMS Forking	NEC/Yukio Kawanami	24.229	IMS- CCR	5.0.0	Rel -5	F	083										CR			REJECTE D
712	N1-021121	Passing charging correlation information	NEC/Yukio Kawanami	23.218	IMS- CCR	5.0.0	Rel -5	F	004	3									CR			REVISED TO 1423
712	N1-021122	Clarifications on SPI related text	NEC/Yukio Kawanami	23.218	IMS- CCR	5.0.0	Rel -5	F	003	7									CR			REPLAC ED BY 1405
712	N1-021123	23.218: Clarifications on Interworking with external ASs	NEC/Yukio Kawanami	23.218	IMS- CCR	5.0.0	Rel -5	F	009	2									CR	Merged into 1404		REJECTE D
712	N1-021124	Reduction on scale of OSA-SCS	NEC/Yukio Kawanami	23.218	IMS- CCR	5.0.0	Rel -5	F	013										CR			WITHDR AWN
5	N1-021125	Deletion of ePLMN list when the fifth RAU attempt is reached	Siemens	24.008	GPRS	3.11. 0	R9 9	F	613										CR			REJECTE D
5	N1-021126	Deletion of ePLMN list when the fifth RAU attempt is reached	Siemens	24.008	GPRS	4.6.0	Rel -4	A	614										CR			REJECTE D
5	N1-021127	Deletion of ePLMN list when the fifth RAU attempt is reached	Siemens	24.008	TEI5	5.3.0	Rel -5	F	615										CR			AGREED
70	N1-021128	MM behaviour in case of a combined	Siemens	24.008	GPRS	5.3.0	Rel -5	F	561	2									CR			Not treated

1		attach reject for the PS service												
5	N1-021129	Background scan if HPLMN is part of the "Equivalent PLMNs" list	Siemens	23.122	GPRS	3.7.0	R99	F	038		CR			REJECTED
5	N1-021130	Background scan if HPLMN is part of the "Equivalent PLMNs" list	Siemens	23.122	GPRS	4.1.0	Rel-4	A	039		CR			REJECTED
5	N1-021131	Minimum number of FPLMN and preferred PLMN lists entries supported by the MS	Siemens	23.122	GPRS	3.7.0	R99	F	040		CR			REJECTED
5	N1-021132	Minimum number of FPLMN and preferred PLMN lists entries supported by the MS	Siemens	23.122	GPRS	4.1.0	Rel-4	A	041		CR			REJECTED
5	N1-021133	Role of the Access Technology in the PLMN selection priority	Siemens	23.122	GPRS	3.7.0	R99	F	042		CR			REJECTED
5	N1-021134	Role of the Access Technology in the PLMN selection priority	Siemens	23.122	GPRS	4.1.0	Rel-4	A	043		CR			REJECTED
5	N1-021135	Usage of the "RPLMN Last used Access Technology" information	Siemens	23.122	GPRS	3.7.0	R99	F	044		CR			REJECTED
5	N1-021136	Usage of the "RPLMN Last used Access Technology" information	Siemens	23.122	GPRS	4.1.0	Rel-4	A	045		CR			REJECTED
5	N1-021137	Conditions when to update the "RPLMN Last used Access Technology" information	Siemens	24.008	GPRS	3.11.0	R99	F	616		CR			REJECTED
5	N1-021138	Conditions when to update the "RPLMN Last used Access Technology" information	Siemens	24.008	GPRS	4.6.0	Rel-4	A	617		CR			REJECTED
5	N1-021139	Conditions when to update the "RPLMN Last used Access Technology" information	Siemens	24.008	GPRS	5.3.0	Rel-5	A	618		CR			REVISED TO 1407
5	N1-021140	Role of the equivalent PLMNs list in the PLMN	Siemens	23.122	GPRS	3.7.0	R99	F	046		CR			REJECTED

7.10	N1-021156	MGCF OPTIONS interface details	Lucent Technologies / Eric Henrikson	24.229	IMS-CCR	5.0.0	Rel-5	F	021	2	CR		REJECTED
7.10	N1-021157	MRFC INVITE interface editor's notes	Lucent Technologies / Eric Henrikson	24.229	IMS-CCR	5.0.0	Rel-5	F	085		CR		REVISED TO 1470
7.10	N1-021158	MRFC OPTIONS interface editor's notes	Lucent Technologies / Eric Henrikson	24.229	IMS-CCR	5.0.0	Rel-5	F	086		CR		REVISED TO 1471
7.10	N1-021159	MRFC PRACK & INFO editor's notes	Lucent Technologies / Eric Henrikson	24.229	IMS-CCR	5.0.0	Rel-5	F	087		CR		AGREED
7.10	N1-021160	MGCF OPTIONS interface editor's notes	Lucent Technologies / Eric Henrikson	24.229	IMS-CCR	5.0.0	Rel-5	F	088		CR		REVISED TO 1472
7.10	N1-021161	MGCF reINVITE editor's notes	Lucent Technologies / Eric Henrikson	24.229	IMS-CCR	5.0.0	Rel-5	F	089		CR		AGREED
7.10	N1-021162	3PCC AS editor's notes	Lucent Technologies / Eric Henrikson	24.229	IMS-CCR	5.0.0	Rel-5	F	090		CR		AGREED
7.10	N1-021163	AS acting as terminating UA editor's notes	Lucent Technologies / Eric Henrikson	24.229	IMS-CCR	5.0.0	Rel-5	F	091		CR		AGREED
7.10	N1-021164	AS acting as originating UA editor's notes	Lucent Technologies / Eric Henrikson	24.229	IMS-CCR	5.0.0	Rel-5	F	092		CR		REVISED TO 1466
7.10	N1-021165	Charging overview clause	Lucent Technologies / Eric Henrikson	24.229	IMS-CCR	5.0.0	Rel-5	F	093		CR		REVISED TO 1450
7.10	N1-021166	Procedures for original-dialog-id P-header	Lucent Technologies / Eric Henrikson	24.229	IMS-CCR	5.0.0	Rel-5	F	094		CR		REVISED TO 1456
7.10	N1-021167	Procedures for charging-vector P-header	Lucent Technologies / Eric Henrikson	24.229	IMS-CCR	5.0.0	Rel-5	F	095		CR		REVISED TO 1457
7.10	N1-021168	Procedures for charging-function-addresses P-header	Lucent Technologies / Eric Henrikson	24.229	IMS-CCR	5.0.0	Rel-5	F	096		CR		REVISED TO 1458
7.10	N1-021169	Replacement of COMET by UPDATE	Lucent Technologies / Keith Drage	24.229	IMS-CCR	5.0.0	Rel-5	C	024	2	CR		AGREED
7.10	N1-021170	SDP types	Lucent Technologies / Milo Orsic	24.229	IMS-CCR	5.0.0	Rel-5	F	097		CR		REVISED TO 1467
7.10	N1-	Usage of SDP by	Lucent	24.229	IMS-	5.0.0	Rel	F	098		CR		REJECTE

2			s / Eric Henrikson										
7.12	N1-021187	Add references for Sh and Si interfaces	Lucent Technologies / Eric Henrikson	23.218	IMS-CCR	5.0.0	Rel-5	F	015		CR		REVISED TO 1385
8.01	N1-021188	Discussion on documentation for Presence	Lucent Technologies / Keith Drage		PRES NC		Rel-6				DISC		NOTED
8.01	N1-021189	Holding document for Release 6 Presence documentation	Lucent Technologies / Keith Drage		PRES NC		Rel-6				TR		NOTED
7.10	N1-021190	SIP Default Timers	H3G	24.229	IMS-CCR	5.0.0	Rel-5	C	113		CR		REVISED TO 1465
55	N1-021191	Various clean-up of wrong references	CN1 secretary	44.001	TEI4	4.0.0	Rel-4	F	001		CR		AGREED
55	N1-021192	Various clean-up of wrong references, eg towards 04.18 and 23.171	CN1 secretary	24.007	TEI	3.8.0	R99	F	052		CR		REVISED TO 1366
55	N1-021193	Various clean-up of wrong references, eg towards 44.018 and 23.271	CN1 secretary	24.007	TEI4	4.1.0	Rel-4	F	053		CR		REVISED TO 1367
55	N1-021194	SIM removal and change of RA during detach procedure	Siemens	24.008	GPRS	5.3.0	Rel-5	F	619		CR		REVISED TO 1409
8.01	N1-021195	3GPP requirements and IETF solutions for presence	Siemens / Mark								DISC		WITHDRAWN
7.103	N1-021196	Correction of the subscription to the registration event package	Siemens / Mark	24.228	IMS-CCR	5.0.0	Rel-5	F	030		CR		REVISED TO 1435
7.103	N1-021197	Correction of the subscription to the registration event package	Siemens / Mark	24.229	IMS-CCR	5.0.0	Rel-5	F	114		CR		REVISED TO 1436
7.12	N1-021198	SIP Application Server acting as a Gateways to an external Application Server; and OSA API usage.	Ericsson/M. Houde	23.218	IMS-CCR	5.0.0	Rel-5	F	016		CR		REVISED TO 1404
7.100	N1-021199	Support for ISIMless UICC	Ericsson, M. Garcia	24.229	IMS-CCR	5.0.0	Rel-5	B	115		CR		REVISED TO 1441
7.103	N1-021200	Restructuring of S-CSCF Registration Sections	Ericsson, M. Garcia	24.229	IMS-CCR	5.0.0	Rel-5	B	060	5	CR		REVISED TO 1432
7.107	N1-021201	General update of sections 10.1, 10.2 and 10.3	Ericsson, M. Garcia	24.228	IMS-CCR	5.0.0	Rel-5	F	018	2	CR		REVISED TO 1416
7.107	N1-021202	UTF-8 encoding of authorisation token	Ericsson, A Monrad								INFO		NOTED

7.07	N1-021203	Change of the coding of the authorisation token	Ericsson, A Monrad	24.008	IMS-CCR	5.3.0	Rel-5	F	620		CR		WITHDRAWN
7.07	N1-021204	Introduction of IPv6 prefix and binding information	Ericsson, A Monrad	24.229	IMS-CCR	5.0.0	Rel-5	B	080	1	CR		REVISED TO 1447
7.07	N1-021205	Session Redirection Flow Update	AWS/Hugh Shieh	24.228	IMS-CCR	5.0.0	Rel-5	F	020	1	CR		REVISED TO 1413
7.07	N1-021206	Session Transfer Flow Update	AWS/Hugh Shieh	24.228	IMS-CCR	5.0.0	Rel-5	F	021	1	CR		REVISED TO 1414
7.07	N1-021207	Addition of further Media Streams Flow Update	AWS/Hugh Shieh	24.228	IMS-CCR	5.0.0	Rel-5	F	031		CR		REVISED TO 1415
5	N1-021208	Restrict mobile use of the SGNSR bit for EDGE	Nortel Networks/ Sonia Garapaty		GSM/UMTS interworking		R99				DISC		NOTED
7.07	N1-021209	Flow Update to 7.5 Addition of further media streams	Nortel Networks/ Sonia Garapaty	24.228	IMS-CCR	5.0.0	Rel-5	F	032		CR	Nobody to present it.	Not treated
7.07	N1-021210	Flow Update to 17.4.5 MT#1d	Nortel Networks/ Sonia Garapaty	24.228	IMS-CCR	5.0.0	Rel-5	F	033		CR	Nobody to present it.	Not treated
7.03	N1-021211	S-CSCF selection procedures	Nortel Networks/ Sonia Garapaty	24.229	IMS-CCR	5.0.0	Rel-5	B	116		CR	Merged to 1454	REJECTED
7.01	N1-021212	Backwards compatibility improvements to IMS Signalling Flag	Nortel Networks/ Sonia Garapaty		IMS-CCR						DISC		NOTED
7.01	N1-021213	Backwards compatibility improvements to IMS Signalling Flag	Nortel Networks/ Sonia Garapaty	24.008	IMS-CCR	5.3.0	Rel-5	C	621		CR		REJECTED
7.01	N1-021214	Backwards compatibility improvements to IMS Signalling Flag	Nortel Networks/ Sonia Garapaty	24.229	IMS-CCR	5.0.0	Rel-5	C	117		CR		REJECTED
7.06	N1-021215	Discussion On Use Of Integrity Flag	H3G		IMS-CCR						DISC		NOTED
7.06	N1-021216	Use Of Integrity Flag	H3G	24.229	IMS-CCR	5.0.0	Rel-5	C	118		CR		WITHDRAWN
7.03	N1-021217	IMS signalling flag	Ericsson, A Monrad								INFO		NOTED
7.03	N1-021218	Introduction of IMS signalling flag	Ericsson, A Monrad	24.229	IMS-CCR	5.0.0	Rel-5	B	040	5	CR		REVISED TO 1437
7.03	N1-021219	PDP context modification procedure updated due to IMS	Ericsson, A Monrad	24.008	IMS-CCR	5.3.0	Rel-5	F	622		CR	Merged to 1475	REJECTED
5	N1-	Various clean-up of	CN1	44.068	TEI4	4.2.0	Rel	F	003		CR		REVISED

	021220	wrong references, eg towards 44.018	secretary				-4										TO 1368
5	N1-021221	Various clean-up of wrong references, eg towards 44.018	CN1 secretary	44.069	TEI4	4.2.0	Rel -4	F	003			CR					REVISED TO 1369
7.02	N1-021222	TS 24.228 v5.0.0+CN1#23+CN1#SIPadhoc	Nokia/Kriszti án Kiss	24.228	IMS-CCR	5.0.0	Rel -5					3GPP TS					NOTED
7.07	N1-021223	MO#1a failures update	Nokia/Kriszti án Kiss	24.228	IMS-CCR	5.0.0	Rel -5	F	034			CR					REVISED TO 1417
7.07	N1-021224	MT#1a failures update	Nokia/Kriszti án Kiss	24.228	IMS-CCR	5.0.0	Rel -5	F	035			CR					REVISED TO 1418
7.07	N1-021225	S-S#1a failures update	Nokia/Kriszti án Kiss	24.228	IMS-CCR	5.0.0	Rel -5	F	036			CR					REVISED TO 1419
7.07	N1-021226	MT#1c + MT#2a update	Nokia/Kriszti án Kiss	24.228	IMS-CCR	5.0.0	Rel -5	F	037			CR					REVISED TO 1420
7.07	N1-021227	MT#1e update	Nokia/Kriszti án Kiss	24.228	IMS-CCR	5.0.0	Rel -5	F	038			CR					REVISED TO 1421
7.07	N1-021228	S-S#1c update	Nokia/Kriszti án Kiss	24.228	IMS-CCR	5.0.0	Rel -5	F	039			CR					Not available
7.07	N1-021229	S-S#4 update	Nokia/Kriszti án Kiss	24.228	IMS-CCR	5.0.0	Rel -5	F	024	1		CR					AGREED
7.07	N1-021230	Branch parameter corrections	Nokia/Kriszti án Kiss	24.228	IMS-CCR	5.0.0	Rel -5	F	040			CR					REVISED TO 1451
7.07	N1-021231	SIP procedures at UE	Nokia/Kriszti án Kiss	24.229	IMS-CCR	5.0.0	Rel -5	F	119			CR					REVISED TO 1452
7.11	N1-021232	Changing COMET to UPDATE in chapter 5	Nokia/Kriszti án Kiss	24.228	IMS-CCR	5.0.0	Rel -5	F	041			CR					AGREED
7.11	N1-021233	Update of chapter 7.4.8	Nokia/Kriszti án Kiss	24.228	IMS-CCR	5.0.0	Rel -5	F	042			CR					AGREED
7.07	N1-021234	Content of From/To headers	Nokia/Kriszti án Kiss	24.228	IMS-CCR	5.0.0	Rel -5	F	043			CR					Not treated due to time
5	N1-021235	Use of cause #14 in HPLMN	Motorola/Andrew H.	24.008								DISCUSSION					NOTED
5	N1-021236	Conflicting behaviour when UE receives AUTHENTICATION_REJECT	Ericsson	24.008	Security	3.11.0	R99	F	623			CR					REVISED TO 1370
5	N1-021237	Conflicting behaviour when UE receives AUTHENTICATION_REJECT	Ericsson	24.008	Security	4.6.0	Rel 4	A	624			CR					REVISED TO 1371
5	N1-	Conflicting	Ericsson	24.008	Security	5.3.0.	Rel	A	625			CR					REVISED

02	021255	Associated-URI	Garcia									O		
7.02	N1-021256	Internet Draft for P-Called-Party-ID	Ericsson/M. Garcia									INFO		NOTED
7.02	N1-021257	Internet Draft for P-Visited-Network-ID	Ericsson/M. Garcia									INFO		NOTED
7.06	N1-021258	Adding security parameters to the call flows	Bajkó Gábor/Nokia	24.228	IMS-CCR	5.0.0	Rel-5	F	046			CR	Not presented.	REVISED TO 1401
7.07	N1-021259	SDP procedures at UE	Bajkó Gábor/Nokia	24.229	IMS-CCR	5.0.0	Rel-5	F	070	2		CR		REVISED TO 1453
7.07	N1-021260	New requirements in the P-CSCF	Bajkó Gábor/Nokia	24.229	IMS-CCR	5.0.0	Rel-5	F	121			CR		REVISED TO 1463
7.07	N1-021261	Downloading the implicitly registered public user identities from the S-CSCF to P-CSCF	Bajkó Gábor/Nokia	24.228	IMS-CCR	5.0.0	Rel-5	F	028	1		CR		REVISED TO 1473
7.07	N1-021262	Downloading the implicitly registered public user identities from the S-CSCF to P-CSCF	Bajkó Gábor/Nokia	24.229	IMS-CCR	5.0.0	Rel-5	F	079	1		CR		REVISED TO 1474
7.07	N1-021263	Warn codes	Bajkó Gábor/Nokia		IMS-CCR							DISC		NOTED
7.10	N1-021264	SDP procedures at MGCF	Lucent Technologies / Milo Orsic	24.229	IMS-CCR	5.0.0	Rel-5	F	122			CR		AGREED
7.10	N1-021265	AS determination of MO/MT	Lucent Technologies / Eric Henrikson	24.229	IMS-CCR	5.0.0	Rel-5	F	123			CR		REJECTED
7.07	N1-021266	Relationship of Application Servers to flows in 24.228	Lucent Technologies / Keith Drage	24.228	IMS-CCR	5.0.0	Rel-5	F	047			CR		Not treated due to time
7.11	N1-021267	Addition of tokenization to key	Lucent Technologies / Keith Drage	24.228	IMS-CCR	5.0.0	Rel-5	D	048			CR		Not treated due to time
4	N1-021268	CN1 IMS open item list	Chairman									INFO		Not treated due to time
5	N1-021269	QoS IE length	Nokia	09.94	TEI	4.5.0	Ph.2	F	A010			CR		REVISED TO 1373
5	N1-021270	QoS IE length	Nokia	29.994	TEI	4.5.0	Rel-5	A	A016			CR		REVISED TO 1374
7.02	N1-021271	Internet Draft: Registration state event package	Siemens / Mark									INFO		NOTED
5	N1-	Impact of regional	Siemens									DIS		NOTED

	021272	roaming restrictions on the MM state									C		
5	N1-021273	Impact of regional roaming restrictions on the MM state	Siemens	24.008	GSM/UMTS Interworking	3.11.0	R99	F	627		CR		REVISED TO 1386
5	N1-021274	Impact of regional roaming restrictions on the MM state	Siemens	24.008	GSM/UMTS Interworking	4.6.0	Rel-4	A	628		CR		REVISED TO 1387
5	N1-021275	Impact of regional roaming restrictions on the MM state	Siemens	24.008	GSM/UMTS Interworking	5.3.0	Rel-5	A	592	1	CR		REVISED TO 1388
5	N1-021276	Authentication not accepted by MS	Siemens	24.008	TEI	3.11.0	R99	F	576	3	CR		REVISED TO 1389
5	N1-021277	Authentication not accepted by MS	Siemens	24.008	TEI	4.6.0	Rel-4	A	577	3	CR		REVISED TO 1390
5	N1-021278	Authentication not accepted by MS	Siemens	24.008	TEI	5.3.0	Rel-5	A	578	2	CR		AGREED
7.0	N1-021279	Correction of definition of SSD in QoS IE	Siemens	24.008	TEI5	5.3.0	Rel-5	F	626		CR		AGREED
5	N1-021280	Clarification of the end of supervision after inter-MSC handover	Siemens	23.009	GSM/UMTS Interworking	3.9.0	R99	F	069		CR		AGREED
5	N1-021281	Clarification of the end of supervision after inter-MSC handover	Siemens	23.009	GSM/UMTS Interworking	4.3.0	Rel-4	A	070		CR		AGREED
5	N1-021282	Clarification of the end of supervision after inter-MSC handover	Siemens	23.009	GSM/UMTS Interworking	5.0.0	Rel-5	A	071		CR		AGREED
5	N1-021283	QoS IE length	Nokia	09.94	TEI	4.5.0	R96	A	A011		CR		REVISED TO 1375
5	N1-021284	QoS IE length	Nokia	09.94	TEI	4.5.0	R97	A	A012		CR		REVISED TO 1376
5	N1-021285	QoS IE length	Nokia	09.94	TEI	4.5.0	R98	A	A013		CR		REVISED TO 1377
5	N1-021286	QoS IE length	Nokia	29.994	TEI	4.5.0	R99	A	A014		CR		REVISED TO 1378
5	N1-021287	QoS IE length	Nokia	29.994	TEI	4.5.0	Rel-4	A	A015		CR		REVISED TO 1379
7.1	N1-021288	New cause value for media authorization failure in PCF.	Nokia	24.008	IMS-CCR	5.3.0	Rel-5	F	629		CR		Not available
7.1	N1-021289	Support for IMS media Multiplexing in Session Management - TFT enhancement	Nokia	24.008	IMS-CCR	5.3.0	Rel-5	C	630		CR		AGREED
5	N1-021290	Correction for Inter-MSC relocation procedure due to multiple codecs	Nokia	23.009	TRFO - OOBTC	4.3.0	Rel-4	F	072		CR		REVISED TO 1391
5	N1-021291	Correction for Inter-MSC relocation	Nokia	23.009	TRFO -	5.0.0	Rel-5	A	073		CR		REVISED TO 1392

		procedure due to multiple codecs			OOBT C									
7.01	N1-021292	Clarification that Multicall is not supported in GERAN Iu-mode	Nokia	23.009	GSM/UMTS interworking	5.0.0	Rel-5	F	074		CR		REVISED TO 1426	
7.01	N1-021293	Support of HSCSD in GERAN Iu-mode	Nokia	23.034	HSCSD	4.0.0	Rel-5	C	006		CR	Withdrawn before the meeting. Not available.	WITHDRAWN	
7.04	N1-021294	S-CSCF allocation	Nokia	24.228	IMS-CCR	5.0.0	Rel-5	F	049		CR		REVISED TO 1442	
7.04	N1-021295	S-CSCF allocation	Nokia	24.229	IMS-CCR	5.0.0	Rel-5	F	124		CR		REVISED TO 1443	
7.07	N1-021296	Problems with charging during IMS call initiation	Siemens								DISC		Not treated due to time	
7.07	N1-021297	Corrections UE procedures during IMS call initiation to allow charging	Siemens	24.229	IMS-CCR	5.0.0	Rel-5	F	125		CR		WITHDRAWN	
3	N1-021298	Reply on LS on Multiple Codecs	SA2								LS IN	S2-021304, To: CN3 Cc:CN1, SA5	NOTED	
3	N1-021299	LS on Presence Service	SA2								LS IN	S2-021499, To: SA3, SA5, CN1, CN4 Cc:	NOTED	
3	N1-021300	Liaison Statement on GUP work progress	SA2								LS IN	S2-021513, To: SA1, SA3, SA4, SA5, CN1, CN3, CN4, CN5, T1, T2, T3 Cc:SA, T	NOTED	
3	N1-021301	Liaison statement on Charging at I-CSCF	SA2								LS IN	S2-021517, To: CN1, SA5 Cc:	NOTED	
3	N1-021302	Response to LS on SIP compression	SA2								LS IN	S2-021519, To: CN1 Cc:	NOTED	
3	N1-021303	Response to the LS on "IPv6 update of stage 3 specifications"	SA2								LS IN	S2-021521, To: CN3 Cc:CN, CN1, CN2, SA3, SA5, T, T1, T2	NOTED	
3	N1-021304	Liaison statement response on "Distribution of IMS charging ID (ICID) from GGSN to SGSN"	SA2								LS IN	S2-021522, To: CN4, SA5 Cc: CN1	NOTED	
3	N1-021305	IMS Identities for Rel 99/R4 UICC	SA2								LS IN	S2-021526, To: SA1, SA3, CN1, CN4, T3 Cc:	NOTED	
3	N1-021306	LS response to Providing IMS	SA2								LS IN	S2-021529, To: GERAN,	NOTED	

		services via Gb interface										GERAN2 Cc:CN1, SA1		
3	N1-021307	Liaison Statement on UMTS to GSM change during signalling phase of CS call setup and other CS domain signalling requirements	SA2									LS IN S2-021531, To: CN 1, RAN 2, GERAN Cc:	NOTED	
7.0	N1-021308	Addition of missing references to TS 25.304	Siemens	24.008	TEI5	5.3.0	Rel-5	F	631			CR	AGREED	
5	N1-021309	Indication of support of LCS via the PS domain in lu-mode	Siemens	24.008	GPRS	5.3.0	Rel-5	F	589	1		CR	REVISED TO 1468	
5	N1-021310	Handling of multiple header compression algorithms	Siemens	04.65	GPRS	8.2.0	R99	F	A075			CR	REJECTED	
7.1	N1-021311	Charging of IMS signaling context(s) in SGSN	Siemens									DISC	NOTED	
7.0	N1-021312	Modifications for the support of connected mode behaviour in Network sharing scenarios	Ericsson	23.221	NETSHAR	5.4.0	Rel-5	B	029			INFO	NOTED	
7.0	N1-021313	Network sharing: Impact on Architecture	Ericsson		NETSHAR		Rel-5					DISC	Not presented.	REVISED TO 1412
5	N1-021314	Handling of Service Handover parameter in non-anchor	Ericsson	23.009	TEI	3.9.0	Rel-99	F	075			CR	REVISED TO 1393	
5	N1-021315	Handling of Service Handover parameter in non-anchor	Ericsson	23.009	TEI	4.3.0	Rel-4	A	076			CR	REVISED TO 1394	
5	N1-021316	Handling of Service Handover parameter in non-anchor	Ericsson	23.009	TEI	5.0.0	Rel-5	A	077			CR	REVISED TO 1395	
7.1	N1-021317	Clarification on SPI related text	Ericsson/M. Houde	23.218	IMS-CCR	5.0.0	Rel-5	F	003	9		CR	REVISED TO 1405	
7.0	N1-021318	Support for services for unregistered users	NEC/Yukio Kawanami	24.229	IMS-CCR	5.0.0	Rel-5	F	008	5		CR	1318 content rejected.	REVISED TO 1454
7.0	N1-021319	Restructuring of S-CSCF Registration Sections	NEC/Yukio Kawanami	24.229	IMS-CCR	5.0.0	Rel-5	F	060	7		CR	REVISED TO 1432	
7.0	N1-021320	Updates to the procedures involving the iFCs, following the Oulu iFC changes	NEC/Yukio Kawanami	24.229	IMS-CCR	5.0.0	Rel-5	F	073	1		CR	REJECTED	
7.1	N1-021321	Update of the S-CSCF AS	NEC/Yukio Kawanami	23.218	IMS-CCR	5.0.0	Rel-5	F	012	4		CR	REVISED TO 1425	

2		relationship, for REGISTER												
7.03	N1-021322	Support for IMS access without ISIM application	Nokia	24.229	IMS-CCR	5.0.0	Rel-5	C	126		CR		REJECTED	
7.06	N1-021323	Emergency Service procedure correction	Nokia	24.229	IMS-CCR	5.0.0	Rel-5	C	127		CR		REVISED TO 1444	
7.06	N1-021324	Emergency service correction	Nokia								DISC		NOTED	
7.10	N1-021325	Number of media components per PDP Context	Nokia	24.229	IMS-CCR	5.0.0	Rel-5	C	128		CR	Not presented.	REVISED TO 1476	
5	N1-021326	Various clean-up of wrong references	CN1 secretary	29.016	TEI4	4.0.0	Rel-4	F	006		CR		AGREED	
7.01	N1-021327	DRX parameter update with RAU procedure	Nokia	24.008	TEI5	5.3.0	Rel-5	C	632		CR		REVISED TO 1431	
7.07	N1-021328	Correction to Warn codes	Bajkó Gábor/Nokia	24.228	IMS-CCR	5.0.0	Rel-5	F	050		CR		REVISED TO 1462	
7.03	N1-021329	Use of a Temporary Public User Identity	Vodafone / Duncan Mills	23.003	IMS-CCR	5.2.0	Rel-5	F			INFO		Revised to 1445 and a LS OUT in 1446	
7.03	N1-021330	Use of a Temporary Public User Identity	Vodafone / Duncan Mills	24.228	IMS-CCR	5.0.0	Rel-5	F	051		CR		REJECTED	
7.10	N1-021331	Introduction of P-Access-Network-Info header	Vodafone / Duncan	24.228	IMS-CCR	5.0.0	Rel-5	F	052		CR		Not available	
7.10	N1-021332	Introduction of P-Access-Network-Info header	Vodafone / Duncan	24.229	IMS-CCR	5.0.0	Rel-5	F	129		CR		REVISED TO 1498	
7.01	N1-021333	Correction to SPLIT_PG_CYCLE values	Vodafone / Duncan	24.008	GPRS	5.3.0	Rel-5	F	633		CR		Not available	
7.07	N1-021334	Corrections to SIP Compression	Vodafone, H3G, Ericsson / Duncan Mills	24.229	IMS-CCR	5.0.0	Rel-5	C	036	5	CR		REJECTED	
7.10	N1-021335	PCO in Session Management procedures	Nokia	24.008	IMS-CCR	5.3.0	Rel-5	F	634		CR		REVISED TO 1475	
7.07	N1-021336	Usage of Path and P-Service Route	Bajkó Gábor/Nokia	24.229	IMS-CCR	5.0.0	Rel-5	F	130		CR	Not presented	REVISED TO 1460	
7.01	N1-021337	Clarification of QoS IE	Fujitsu	24.008	TEI5	5.3.0	Rel-5	F	635		CR		REJECTED	
7.03	N1-021338	Introduction of IMS signalling flag in TFT	Ericsson, A Monrad	24.008	IMS-CCR	5.3.0	Rel-5	F	636		CR		REVISED TO 1438	
5	N1-021339	Handling of multiple header compression algorithms	Siemens	44.065	GPRS	4.2.0	Rel-4	A	003		CR		REJECTED	

5	N1-021340	RR protocol message type octet	GERAN	24.007	GSM-UMTS IW	3.8.0	R99	F	046	2	CR		AGREED
5	N1-021341	RR protocol message type octet	GERAN	24.007	GSM-UMTS IW	4.1.0	Rel-4	A	047	2	CR		AGREED
7.07	N1-021342	Allowing the transport of the GPRS Charging Info in 200 OK	Siemens	24.229	IMS-CCR	5.0.0	Rel-5	F	131		CR		REJECTED
7.06	N1-021343	SA setup related procedures at the P-CSCF	Bajkó Gábor/Nokia	24.229	IMS-CCR	5.0.0	Rel-5	F	132		CR	Not presented.	REVISED TO 1402
5	N1-021344	Various clean-up of wrong references, eg towards 44.018	CN1 secretary	44.013	TEI4	4.0.0	Rel-4	F	001		CR		AGREED
5	N1-021345	Alternative coding of radio access capabilities	Siemens	24.008	GPRS	3.11.0	R99	F	637		CR		REVISED TO 1396
5	N1-021346	Alternative coding of radio access capabilities	Siemens	24.008	GPRS	4.6.0	Rel-4	F	638		CR		REVISED TO 1397
5	N1-021347	Alternative coding of radio access capabilities	Siemens	24.008	GPRS	5.3.0	Rel-5	F	639		CR		REVISED TO 1398
5	N1-021348	Dual Tone Multi-Frequency signalling : Support in the whole 3GPP system, and editorial modifications.	ETSI- NEC T. (UK)	23.014	GSM/UMTS Interworking	3.1.0	R99	F	004	1	CR	Nobody to present it.	Not treated
5	N1-021349	Dual Tone Multi-Frequency signalling : Support in the whole 3GPP system, and editorial modifications.	ETSI- NEC T. (UK)	23.014	GSM/UMTS Interworking	4.0.0	REL-4	A	005		CR	Nobody to present it.	Not treated
4	N1-021350	Latest workplan for review	MCC								WORKPLAN	Not treated due to time, so chairman will provide the status to CN#16	NOTED
7.07	N1-021351	Editorials for GPRS Charging ID	NEC/Yukio Kawanami	24.229	IMS-CCR	5.0.0	Rel-5	F	009	2	CR		Not treated due to time
3	N1-021352	Liaison Statement on discovery and subsequent request of specific capabilities within the MRFC/MRFP	SA2								LS IN	S2-021491, To: CN1	NOTED
7.10	N1-021353	Removal of Referred-By header from specification	Lucent Technologies / Keith Drage	24.228	IMS-CCR	5.0.0	Rel-5	F	053		CR		AGREED
7.11	N1-021354	Removal of Referred-By header	Lucent Technologie	24.229	IMS-CCR	5.0.0	Rel-5	F	133		CR		AGREED

0		from specification	s / Keith Drage														
7.10	N1-021355	An analysis of the Requirements of the Record-Route header	Lucent Technologies / Keith Drage	24.229	IMS-CCR		Rel-5						DISC				NOTED
7.11	N1-021356	Removal of editor's notes - clause 1 through 4 and other minor changes	Lucent Technologies / Keith Drage	24.228	IMS-CCR	5.0.0	Rel-5	D		054			CR				Not treated due to time
7.10	N1-021357	Handling of Record-Route header in profile tables	Lucent Technologies / Keith Drage	24.229	IMS-CCR	5.0.0	Rel-5	F		134			CR				AGREED
7.10	N1-021358	Asserted identities and privacy	Lucent Technologies / Keith Drage	24.229	IMS-CCR	5.0.0	Rel-5	F		135			CR				POSTPONED
7.10	N1-021359	Removal of caller preferences from specification	Lucent Technologies / Keith Drage	24.229	IMS-CCR	5.0.0	Rel-5	F		136			CR				AGREED
7.10	N1-021360	Substitution of REFER references	Lucent Technologies / Keith Drage	24.229	IMS-CCR	5.0.0	Rel-5	F		137			CR				AGREED
7.10	N1-021361	Removal of session timer from specification	Lucent Technologies / Keith Drage	24.229	IMS-CCR	5.0.0	Rel-5	F		138			CR				AGREED
3	N1-021362	Liaison Statement on 'Clarification of IMS signalling flag'	SA2										LS IN	S2-021530, To: CN1, CN3			NOTED
3	N1-021363	Draft Response to LS on "Mapping rules for authorisation"	SA2										LS IN	S2-021301r4, To: CN3, Cc: CN1			NOTED
9	N1-021364	Liaison Statement on UE behaviour when network fails authentication	Hannu										LS OUT	Linked to 0683. To: RAN2			AGREED
9	N1-021365	Response LS on "Alternative coding of the MS RAC IE"	Roland										LS OUT	Linked to 1117. To: GERAN2			AGREED
5	N1-021366	Various clean-up of wrong references, eg towards 04.18 and 23.171	CN1 secretary	24.007	TEI	3.8.0	R99	F		052	1		CR	Revised from 1192			AGREED
5	N1-021367	Various clean-up of wrong references, eg towards 44.018 and 23.271	CN1 secretary	24.007	TEI4	4.1.0	Rel-4	F		053	1		CR	Revised from 1193			AGREED
5	N1-021368	Various clean-up of wrong references, eg towards 44.018	CN1 secretary	44.068	TEI4	4.2.0	Rel-4	F		003	1		CR	Revised from 1220			AGREED
5	N1-021369	Various clean-up of wrong references, eg towards 44.018	CN1 secretary	44.069	TEI4	4.2.0	Rel-4	F		003	1		CR	Revised from 1221			AGREED
5	N1-021370	Conflicting behaviour when UE	Ericsson	24.008	Security	3.11.0	R99	F		623	1		CR	Revised from 1236			AGREED

		receives AUTHENTICATION_REJECT												
5	N1-021371	Conflicting behaviour when UE receives AUTHENTICATION_REJECT	Ericsson	24.008	Security	4.6.0	Rel 4	A	624	1	CR	Revised from 1237	AGREED	
5	N1-021372	Conflicting behaviour when UE receives AUTHENTICATION_REJECT	Ericsson	24.008	Security	5.3.0.	Rel 5	A	625	1	CR	Revised from 1238	AGREED	
5	N1-021373	QoS IE length	Nokia	09.94	TEI	4.5.0	Ph. 2	F	A0 10	1	CR	Revised from 1269	REVISED TO 1491	
5	N1-021374	QoS IE length	Nokia	29.994	TEI	4.5.0	Rel -5	A	A0 16	1	CR	Revised from 1270 and to 1492	AGREED	
5	N1-021375	QoS IE length	Nokia	09.94	TEI	4.5.0	R9 6	A	A0 11	1	CR	Revised from 1283	REVISED TO 1493	
5	N1-021376	QoS IE length	Nokia	09.94	TEI	4.5.0	R9 7	A	A0 12	1	CR	Revised from 1284	REVISED TO 1494	
5	N1-021377	QoS IE length	Nokia	09.94	TEI	4.5.0	R9 8	A	A0 13	1	CR	Revised from 1285	REVISED TO 1495	
5	N1-021378	QoS IE length	Nokia	29.994	TEI	4.5.0	R9 9	A	A0 14	1	CR	Revised from 1286	REVISED TO 1496	
5	N1-021379	QoS IE length	Nokia	29.994	TEI	4.5.0	Rel -4	A	A0 15	1	CR	Revised from 1287	REVISED TO 1497	
7.07	N1-021380	Passing charging addresses	NEC/Yukio Kawanami	24.229	IMS-CCR	5.0.0	Rel -5	F	013	4	CR	Revised from 1119. Some parts merged into 1458.	REJECTED	
7.07	N1-021381	S-S#1b reference flows update	dynamicsoft, Andrew Allen	24.228	IMS-CCR	5.0.0	Rel -5	F	044	1	CR	Revised from 1244	AGREED	
7.03	N1-021382	Update of Registration Flows to align with Path header, Service Route and RFC 3261	Dynamicsoft Andrew Allen	24.228	IMS-CCR	5.0.0	Rel 5	F	045	1	CR	Revised from 1245	REVISED TO 1478	
7.03	N1-021383	Alignment with IETF Path header and P-Service-Route	Dynamicsoft Andrew Allen	24.229	IMS-CCR	5.0.0	Rel 5	F	120	1	CR	Revised from 1246	REJECTED	
7.12	N1-021384	User profile filter criteria updates	Lucent Technologies / Eric Henrikson	23.218	IMS-CCR	5.0.0	Rel -5	F	014	1	CR	Revised from 1186	AGREED	
7.12	N1-021385	Add references for Sh and Si interfaces	Lucent Technologies / Eric Henrikson	23.218	IMS-CCR	5.0.0	Rel -5	F	015	1	CR	Revised from 1187	AGREED	
5	N1-021386	Impact of regional roaming restrictions on the MM state	Siemens	24.008	GSM/UMTS Interworking	3.11.0	R9 9	F	627	1	CR	Revised from 1273	AGREED	
5	N1-021387	Impact of regional roaming restrictions on the MM state	Siemens	24.008	GSM/UMTS Interw	4.6.0	Rel -4	A	628	1	CR	Revised from 1274	AGREED	

5	N1-021388	Impact of regional roaming restrictions on the MM state	Siemens	24.008	orking GSM/ UMTS Interw orking	5.3.0	Rel -5	A	592	2	CR	Revised from 1275	AGREED
5	N1-021389	Authentication not accepted by MS	Siemens	24.008	TEI	3.11. 0	R9 9	F	576	4	CR	Revised from 1276	AGREED
5	N1-021390	Authentication not accepted by MS	Siemens	24.008	TEI	4.6.0	Rel -4	A	577	4	CR	Revised from 1277	AGREED
5	N1-021391	Correction for Inter- MSC relocation procedure due to multiple codecs	Nokia	23.009	TRFO - OOBT C	4.3.0	Rel -4	F	072	1	CR	Revised from 1290	POSTPO NED
5	N1-021392	Correction for Inter- MSC relocation procedure due to multiple codecs	Nokia	23.009	TRFO - OOBT C	5.0.0	Rel -5	A	073	1	CR	Revised from 1291	POSTPO NED
5	N1-021393	Handling of Service Handover parameter in non- anchor	Ericsson	23.009	GSM/ UMTS Interw orking	3.9.0	Rel -99	F	075	1	CR	Revised from 1314	AGREED
5	N1-021394	Handling of Service Handover parameter in non- anchor	Ericsson	23.009	GSM/ UMTS Interw orking	4.3.0	Rel -4	A	076	1	CR	Revised from 1315	AGREED
5	N1-021395	Handling of Service Handover parameter in non- anchor	Ericsson	23.009	GSM/ UMTS Interw orking	5.0.0	Rel -5	A	077	1	CR	Revised from 1316	AGREED
5	N1-021396	Alternative coding of radio access capabilities	Siemens	24.008	GPRS	3.11. 0	R9 9	F	637	1	CR	Revised from 1345	AGREED
5	N1-021397	Alternative coding of radio access capabilities	Siemens	24.008	GPRS	4.6.0	Rel -4	F	638	1	CR	Revised from 1346	AGREED
5	N1-021398	Alternative coding of radio access capabilities	Siemens	24.008	GPRS	5.3.0	Rel -5	F	639	1	CR	Revised from 1347	AGREED
7. 0 3	N1-021399	Corrections to SIP Compression	Nokia	24.229	IMS- CCR	5.0.0	Rel -5	C	036	6	CR	Not presented.	REVISED TO 1459
7. 0 3	N1-021400	Implementing SigComp in the 3GPP environment	Nokia								DIS CU SSI ON		WITHDR AWN
7. 0 6	N1-021401	Adding security parameters to the call flows	Bajkó Gábor/Noki a	24.228	IMS- CCR	5.0.0	Rel -5	F	046	1	CR	Revised from 1258	POSTPO NED
7. 0 6	N1-021402	SA setup related procedures at the P-CSCF	Bajkó Gábor/Noki a	24.229	IMS- CCR	5.0.0	Rel -5	F	132	1	CR	Revised from 1343	POSTPO NED
7. 0 3	N1-021403	Compression error cases	Nokia								DIS CU SSI ON		NOTED
7. 1 2	N1-021404	SIP Application Server acting as a Gatewas to an external Application Server; and OSA	Ericsson/M. Houde	23.218	IMS- CCR	5.0.0	Rel -5	F	016	1	CR	Revised from 1198	AGREED

		API usage.											
7.12	N1-021405	Clarification on SPI related text	Ericsson/M. Houde	23.218	IMS-CCR	5.0.0	Rel-5	F	003	10	CR	Revised from 1317	AGREED
7.20	N1-021406	Interaction status of CRs on IMS CCR deliverables	Lucent Technologies / Keith Drage		IMS-CCR		Rel-5				INFO	Revised from 1149	REVISED TO 1428
5	N1-021407	Conditions when to update the "RPLMN Last used Access Technology" information	Siemens	24.008	GPRS	5.3.0	Rel-5	F	618	1	CR	Revised from 1139	AGREED
5	N1-021408	Role of the equivalent PLMNs list in the PLMN user reselection	Siemens	23.122	GPRS	4.1.0	Rel-5	F	048		CR		AGREED
5	N1-021409	SIM removal and change of RA during detach procedure	Siemens	24.008	GPRS	5.3.0	Rel-5	F	619	1	CR	Revised from 1194	AGREED
7.01	N1-021410	Support for Access Rights in the non anchor	Ericsson	23.009	NETS HAR	5.0.0	Rel-5	B	068	1	CR	Revised from 1241	REVISED TO 1430
4	N1-021411	Proposed WID: Network Sharing	Ericsson		NETS HAR		Rel-5				WID	Revised from 1240	NOTED
7.01	N1-021412	Network sharing: Impact on Architecture	Ericsson		NETS HAR		Rel-5				DISC	Revised from 1313	NOTED
7.07	N1-021413	Session Redirection Flow Update	AWS/Hugh Shieh	24.228	IMS-CCR	5.0.0	Rel-5	F	020	2	CR	Revised from 1205	AGREED
7.07	N1-021414	Session Transfer Flow Update	AWS/Hugh Shieh	24.228	IMS-CCR	5.0.0	Rel-5	F	021	2	CR	Revised from 1206	AGREED
7.07	N1-021415	Addition of further Media Streams Flow Update	AWS/Hugh Shieh	24.228	IMS-CCR	5.0.0	Rel-5	F	031	1	CR	Revised from 1207	AGREED
7.07	N1-021416	General update of sections 10.1, 10.2 and 10.3	Ericsson, M. Garcia	24.228	IMS-CCR	5.0.0	Rel-5	F	018	3	CR	Revised from 1201	AGREED
7.07	N1-021417	MO#1a failures update	Nokia/Krisztián Kiss	24.228	IMS-CCR	5.0.0	Rel-5	F	034	1	CR	Revised from 1223	REVISED TO 1500
7.07	N1-021418	MT#1a failures update	Nokia/Krisztián Kiss	24.228	IMS-CCR	5.0.0	Rel-5	F	035	1	CR	Revised from 1224	REVISED TO 1501
7.07	N1-021419	S-S#1a failures update	Nokia/Krisztián Kiss	24.228	IMS-CCR	5.0.0	Rel-5	F	036	1	CR	Revised from 1225	REVISED TO 1502
7.07	N1-021420	MT#1c + MT#2a update	Nokia/Krisztián Kiss	24.228	IMS-CCR	5.0.0	Rel-5	F	037	1	CR	Revised from 1226	REVISED TO 1503
7.07	N1-021421	MT#1e update	Nokia/Krisztián Kiss	24.228	IMS-CCR	5.0.0	Rel-5	F	038	1	CR	Revised from 1227	REVISED TO 1504
7.07	N1-021422	MO, S-S, MT #2 reference flows update	dynamicsoft ,Andrew Allen	24.228	IMS-CCR	5.0.0	Rel-5	F	019	4	CR	Revised from 1243	REVISED TO 1505

7.12	N1-021423	Passing charging correlation information	NEC/Yukio Kawanami	23.218	IMS-CCR	5.0.0	Rel-5	F	004	4	CR	Revised from 1121	AGREED
7.12	N1-021424	Clarification to Handling of IP multimedia registration for barred public user identities	dynamicsoft ,Andrew Allen	23.218	IMS-CCR	5.0.0	Rel-5	F	017	1	CR	Revised from 1249	AGREED
7.12	N1-021425	Update of the S-CSCF AS relationship, for REGISTER	NEC/Yukio Kawanami	23.218	IMS-CCR	5.0.0	Rel-5	F	012	5	CR	Revised from 1321	AGREED
7.10	N1-021426	Clarification that Multicall is not supported in GERAN lu-mode	Nokia	23.009	TEI5	5.0.0	Rel-5	F	074	1	CR	Revised from 1292	AGREED
9	N1-021427	Response LS to SA2 on IMS Identities for Rel 99/R4 UICC	A. Allen								LS OUT	Related to 1250. To: SA1, SA2, Cc: SA3, CN4, T3	AGREED
7.10	N1-021428	Interaction status of CRs on IMS CCR deliverables	Lucent Technologies / Keith Drage		IMS-CCR		Rel-5				INFO	Revised from 1149 and 1406	NOTED
7.10	N1-021429	Compression error cases	Nokia	24.229	IMS-CCR	5.0.0	Rel-5	F	139		CR		WITHDRAWN
7.10	N1-021430	Support for Access Rights in the non anchor	Ericsson	23.009	NETSHAR	5.0.0	Rel-5	B	068	2	CR	Revised from 1241 and 1410	WITHDRAWN
7.10	N1-021431	DRX parameter update with RAU procedure	Nokia	24.008	TEI5	5.3.0	Rel-5	C	632	1	CR	Revised from 1327	AGREED
7.10	N1-021432	Restructuring of S-CSCF Registration Sections	Orange France, Ericsson, NEC, Dynamicsoft	24.229	IMS-CCR	5.0.0	Rel-5	F	060	8	CR	Revised from 1109, 1200, 1247 and 1319	REVISED TO 1507
7.10	N1-021433	Introduction of Visited_Network_ID p-header	H3G	24.229	IMS-CCR	5.0.0	Rel-5	C	082	1	CR	Revised from 1111	AGREED
7.10	N1-021434	MRFC register addresses	Lucent Technologies / Eric Henrikson	24.229	IMS-CCR	5.0.0	Rel-5	F	084	1	CR	Revised from 1150	AGREED
7.10	N1-021435	Correction of the subscription to the registration event package	Siemens / Mark	24.228	IMS-CCR	5.0.0	Rel-5	F	030	1	CR	Revised from 1196	AGREED
7.10	N1-021436	Correction of the subscription to the registration event package	Siemens / Mark	24.229	IMS-CCR	5.0.0	Rel-5	F	114	1	CR	Revised from 1197	AGREED
7.10	N1-021437	Introduction of IMS signalling flag	Ericsson, A Monrad	24.229	IMS-CCR	5.0.0	Rel-5	B	040	6	CR	Revised from 1218	REJECTED
7.10	N1-021438	Introduction of IMS signalling flag in	Ericsson, A Monrad	24.008	IMS-CCR	5.3.0	Rel-5	F	636	1	CR	Revised from 1338	REJECTED

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7.10	N1-021439	Introduction of Subscription Locator Function Interrogation at I-CSCF in 24.229	Orange France	24.229	IMS-CCR	5.0.0	Rel-5	F	081	1	CR	Revised from 1108	REVISED TO 1469
7.10	N1-021440	Updates to the procedures involving the iFCs, following the Oulu iFC changes	Ericsson/ M Houde	24.229	IMS-CCR	5.0.0	Rel-5	F	073	2	CR		AGREED
7.10	N1-021441	Support for ISIMless UICC	Ericsson, M. Garcia	24.229	IMS-CCR	5.0.0	Rel-5	B	115	1	CR	Revised from 1199	AGREED
7.10	N1-021442	S-CSCF allocation	Nokia	24.228	IMS-CCR	5.0.0	Rel-5	F	049	1	CR	Revised from 1294	AGREED
7.10	N1-021443	S-CSCF allocation	Nokia	24.229	IMS-CCR	5.0.0	Rel-5	F	124	1	CR	Revised from 1295	AGREED
7.10	N1-021444	Emergency Service procedure correction	Nokia	24.229	IMS-CCR	5.0.0	Rel-5	C	127	1	CR	Revised from 1323	REJECTED
7.10	N1-021445	Use of a Temporary Public User Identity	Vodafone / Duncan Mills	23.003	IMS-CCR	5.2.0	Rel-5	F			INFO	Revised from 1329	REVISED TO 1461
9	N1-021446	Liaison Statement on Deriving IMS parameters from a Pre-Release 5 UICC	Duncan								LS OUT	To: CN4	AGREED
7.10	N1-021447	Introduction of IPv6 prefix and binding information	Ericsson, A Monrad	24.229	IMS-CCR	5.0.0	Rel-5	B	080	2	CR	Revised from 1204	REVISED TO 1486
3	N1-021448	Liaison Statement on the "Relation of IMS media components and bearer charging / PDP Contexts"	SA2								LS IN	S2-021311rev3, To: CN1, CN3, SA4	NOTED
3	N1-021449	Reply on Liaison Statement on PSTN/CS domain originated call	SA2								LS IN	S2-021432rev2, To: CN1, Cc: CN4	NOTED
7.10	N1-021450	Charging overview clause	NEC, Lucent Technologies	24.229	IMS-CCR	5.0.0	Rel-5	F	093	1	CR	Revised from 1165	REVISED TO 1512
7.10	N1-021451	Branch parameter corrections	Nokia/Kriszti án Kiss	24.228	IMS-CCR	5.0.0	Rel-5	F	040	1	CR	Revised from 1230	AGREED
7.10	N1-021452	SIP procedures at UE	Nokia/Kriszti án Kiss	24.229	IMS-CCR	5.0.0	Rel-5	F	119	1	CR	Revised from 1231	AGREED
7.10	N1-021453	SDP procedures at UE	Bajkó Gábor/Nokia	24.229	IMS-CCR	5.0.0	Rel-5	F	070	3	CR	Revised from 1259	AGREED
7.10	N1-021454	Support for services for unregistered users	Ericsson/ Miguel G.	24.229	IMS-CCR	5.0.0	Rel-5	F	008	6	CR	Revised from 1085 via 1318	REVISED TO 1506

9	N1-021455	Liaison Statement on 3GPP Network Domain Name usage for IMS	Sunil								LS OUT	To: GSMA SerG, GSMA IREG, Cc: CN4, SA2, CN	AGREED
7.10	N1-021456	Procedures for original-dialog-id P-header	Lucent Technologies / Eric Henrikson	24.229	IMS-CCR	5.0.0	Rel-5	F	094	1	CR	Revised from 1166	AGREED
7.10	N1-021457	Procedures for charging-vector P-header	Lucent Technologies / Eric Henrikson	24.229	IMS-CCR	5.0.0	Rel-5	F	095	1	CR	Revised from 1167	REVISED TO 1513
7.10	N1-021458	Procedures for charging-function-addresses P-header	Lucent Technologies / Eric Henrikson	24.229	IMS-CCR	5.0.0	Rel-5	F	096	1	CR	Revised from 1168	AGREED
7.03	N1-021459	Corrections to SIP Compression	Nokia	24.229	IMS-CCR	5.0.0	Rel-5	C	036	7	CR	Revised from 1399	REVISED TO 1499
7.07	N1-021460	Usage of Path and P-Service Route	Bajkó Gábor/Nokia	24.229	IMS-CCR	5.0.0	Rel-5	F	130	1	CR	Revised from 1336	REVISED TO 1508
7.03	N1-021461	Use of a Temporary Public User Identity	Vodafone / Duncan Mills	23.003	IMS-CCR	5.2.0	Rel-5	F			INFO	Revised from 1329 and 1445	AGREED
7.07	N1-021462	Correction to Warn codes	Bajkó Gábor/Nokia	24.228	IMS-CCR	5.0.0	Rel-5	F	050	1	CR	Revised from 1328	AGREED
7.07	N1-021463	New requirements in the P-CSCF	Bajkó Gábor/Nokia	24.229	IMS-CCR	5.0.0	Rel-5	F	121	1	CR	Revised from 1260	REVISED TO 1509
7.08	N1-021464	Update of Mobile terminal initiated session release flows (hiding)	Lucent Technologies / Keith Drage	24.228	IMS-CCR	5.0.0	Rel-5	F	029	1	CR	Revised from 1152	AGREED
7.10	N1-021465	SIP Default Timers	H3G	24.229	IMS-CCR	5.0.0	Rel-5	C	113	1	CR	Revised from 1190	AGREED
7.10	N1-021466	AS acting as originating UA editor's notes	Lucent Technologies / Eric Henrikson	24.229	IMS-CCR	5.0.0	Rel-5	F	092	1	CR	Revised from 1164	AGREED
7.10	N1-021467	SDP types	Lucent Technologies / Milo Orsic	24.229	IMS-CCR	5.0.0	Rel-5	F	097	1	CR	Revised from 1170	AGREED
5	N1-021468	Indication of support of LCS via the PS domain in lu-mode	Siemens	24.008	GPRS	5.3.0	Rel-5	F	589	2	CR	Revised from 1309	REJECTED
7.10	N1-021469	Introduction of Subscription Locator Function Interrogation at I-CSCF in 24.229	Orange France	24.229	IMS-CCR	5.0.0	Rel-5	F	081	2	CR	Revised from 1108 and 1439	AGREED
7.10	N1-021470	MRFC INVITE interface editor's notes	Lucent Technologies / Eric Henrikson	24.229	IMS-CCR	5.0.0	Rel-5	F	085	1	CR	Revised from 1157	AGREED

7.10	N1-021471	MRFC OPTIONS interface editor's notes	Lucent Technologies / Eric Henrikson	24.229	IMS-CCR	5.0.0	Rel-5	F	086	1	CR	Revised from 1158	AGREED
7.10	N1-021472	MGCF OPTIONS interface editor's notes	Lucent Technologies / Eric Henrikson	24.229	IMS-CCR	5.0.0	Rel-5	F	088	1	CR	Revised from 1160	AGREED
7.07	N1-021473	Downloading the implicitly registered public user identities from the S-CSCF to P-CSCF	Bajkó Gábor/Nokia	24.228	IMS-CCR	5.0.0	Rel-5	F	028	2	CR	Revised from 1261	AGREED
7.07	N1-021474	Downloading the implicitly registered public user identities from the S-CSCF to P-CSCF	Bajkó Gábor/Nokia	24.229	IMS-CCR	5.0.0	Rel-5	F	079	2	CR	Revised from 1262	REVISED TO 1510
7.10	N1-021475	PCO in Session Management procedures	Nokia	24.008	IMS-CCR	5.3.0	Rel-5	F	634	1	CR	Revised from 1335 and 1219	AGREED
7.10	N1-021476	Number of media components per PDP Context	Nokia	24.229	IMS-CCR	5.0.0	Rel-5	C	128	1	CR	Revised from 1325	WITHDRAWN
9	N1-021477	Terminal determination of network support of EDGE	Jeremy/Nortel								LSOUT	Related to 1208, To: GERAN, SA1	AGREED
7.03	N1-021478	Update of Registration Flows to align with Path header, Service Route and RFC 3261	Dynamicsoft Andrew Allen	24.228	IMS-CCR	5.0.0	Rel-5	F	045	2	CR	Revised from 1245 and 1382. Not available.	WITHDRAWN
7.07	N1-021479	Determination of MOC / MTC at P-CSCF and S-CSCF	Siemens / Georg Mayer	24.228	IMS-CCR	5.0.0	Rel-5	F	055		CR		Not available
7.08	N1-021480	Loose Routing for Network Initiated Call Release Procedures	Siemens/ Georg Mayer	24.228	IMS-CCR	5.0.0	Rel-5	F	056		CR		Not available
7.03	N1-021481	Informational Internet Draft: Registration State Event Package	Siemens/Georg Mayer								DISC		Not available
7.07	N1-021482	Determination of Served User at P-CSCF and S-CSCF	Siemens / Georg Mayer	24.228	IMS-CCR	5.0.0	Rel-5	F	057		CR		Not available
7.03	N1-021483	Restructuring of S-CSCF Registration Sections	Siemens / Georg Mayer	24.228	IMS-CCR	5.0.0	Rel-5	F	058		CR		Not available
7.03	N1-021484	Restructuring of P-CSCF Registration Sections	Siemens / Georg Mayer	24.228	IMS-CCR	5.0.0	Rel-5	F	059		CR		Not available
7.03	N1-021485	Restructuring of UE Registration Sections	Siemens / Georg Mayer	24.228	IMS-CCR	5.0.0	Rel-5	F	060		CR		Not available
7.0	N1-021486	Introduction of IPv6 prefix and binding	Ericsson, A Monrad	24.229	IMS-CCR	5.0.0	Rel-5	B	080	3	CR	Revised from 1204 and	AGREED

7		information										1447	
7.11	N1-021487	Editor's note cleanup - clause 5.2 and deletion of void subclauses	Lucent Technologies / Keith Drage	24.229	IMS-CCR	5.0.0	Rel-5	F	104	1	CR	Revised from 1177	AGREED
7.07	N1-021488	MO#1b and MT#b1 update	Siemens / Georg Mayer	24.228	IMS-CCR	5.0.0	Rel-5	F	061		CR		Not treated due to time
7.07	N1-021489	SS#1c update	Siemens / Georg Mayer	24.228	IMS-CCR	5.0.0	Rel-5	F	062		CR		Not treated due to time
7.07	N1-021490	MO, S-S, MT #1a reference flow update	Nokia/Krisztián Kiss	24.228	IMS-CCR	5.0.0	Rel-5	F	004	4	CR	Revision of 1061	Not treated due to time
5	N1-021491	QoS IE length	Nokia	09.94	TEI	4.5.0	Ph.2	F	A010	2	CR	Revised from 1269 and 1373	AGREED
5	N1-021492	QoS IE length	Nokia	29.994	TEI	4.5.0	Rel-5	A	A016	2	CR	Revised from 1270 and 1374. Not available.	WITHDRAWN
5	N1-021493	QoS IE length	Nokia	09.94	TEI	4.5.0	R96	A	A011	2	CR	Revised from 1283 and 1375	AGREED
5	N1-021494	QoS IE length	Nokia	09.94	TEI	4.5.0	R97	A	A012	2	CR	Revised from 1284 and 1376	AGREED
5	N1-021495	QoS IE length	Nokia	09.94	TEI	4.5.0	R98	A	A013	2	CR	Revised from 1285 and 1377	AGREED
5	N1-021496	QoS IE length	Nokia	29.994	TEI	4.5.0	R99	A	A014	2	CR	Revised from 1286 and 1378	AGREED
5	N1-021497	QoS IE length	Nokia	29.994	TEI	4.5.0	Rel-4	A	A015	2	CR	Revised from 1287 and 1379	AGREED
7.10	N1-021498	Introduction of P-Access-Network-Info header	Vodafone / Duncan	24.229	IMS-CCR	5.0.0	Rel-5	F	129	1	CR	Revised from 1332 and 1459	AGREED
7.03	N1-021499	Corrections to SIP Compression	Nokia	24.229	IMS-CCR	5.0.0	Rel-5	C	036	8	CR	Revised from 1399	AGREED
7.07	N1-021500	MO#1a failures update	Nokia/Krisztián Kiss	24.228	IMS-CCR	5.0.0	Rel-5	F	034	2	CR	Revised from 1223 and 1417	AGREED
7.07	N1-021501	MT#1a failures update	Nokia/Krisztián Kiss	24.228	IMS-CCR	5.0.0	Rel-5	F	035	2	CR	Revised from 1224 and 1418	AGREED
7.07	N1-021502	S-S#1a failures update	Nokia/Krisztián Kiss	24.228	IMS-CCR	5.0.0	Rel-5	F	036	2	CR	Revised from 1225 and 1419	AGREED
7.07	N1-021503	MT#1c + MT#2a update	Nokia/Krisztián Kiss	24.228	IMS-CCR	5.0.0	Rel-5	F	037	2	CR	Revised from 1226 and 1420	AGREED
7.07	N1-021504	MT#1e update	Nokia/Krisztián Kiss	24.228	IMS-CCR	5.0.0	Rel-5	F	038	2	CR	Revised from 1227 and 1421	AGREED

7.07	N1-021505	MO, S-S, MT #2 reference flows update	dynamicsoft ,Andrew Allen	24.228	IMS-CCR	5.0.0	Rel-5	F	019	5	CR	Revised from 1243 and 1422	AGREED
7.07	N1-021506	Support for services for unregistered users	Ericsson/ Miguel G.	24.229	IMS-CCR	5.0.0	Rel-5	F	008	7	CR	Revised from 1085 via 1318, then 1454	AGREED
7.03	N1-021507	Restructuring of S-CSCF Registration Sections	Orange France, Ericsson, NEC, Dynamicsoft	24.229	IMS-CCR	5.0.0	Rel-5	F	060	9	CR	Revised from 1109, 1200, 1247,1319 and 1432	REVISED TO 1511
7.07	N1-021508	Usage of Path and P-Service Route	Bajkó Gábor/Nokia	24.229	IMS-CCR	5.0.0	Rel-5	F	130	2	CR	Revised from 1336 and 1508	AGREED
7.07	N1-021509	New requirements in the P-CSCF	Bajkó Gábor/Nokia	24.229	IMS-CCR	5.0.0	Rel-5	F	121	2	CR	Revised from 1260 and 1463	AGREED
7.07	N1-021510	Downloading the implicitly registered public user identities from the S-CSCF to P-CSCF	Bajkó Gábor/Nokia	24.229	IMS-CCR	5.0.0	Rel-5	F	079	3	CR	Revised from 1262 and 1474	AGREED
7.03	N1-021511	Restructuring of S-CSCF Registration Sections	Orange France, Ericsson, NEC, Dynamicsoft	24.229	IMS-CCR	5.0.0	Rel-5	F	060	10	CR	Revised from 1109, 1200, 1247,1319, 1432 and 1507	AGREED
7.00	N1-021512	Charging overview clause	NEC, Lucent Technologies	24.229	IMS-CCR	5.0.0	Rel-5	F	093	2	CR	Revised from 1165 and 1450	AGREED
7.00	N1-021513	Procedures for charging-vector P-header	Lucent Technologies / Eric Henrikson	24.229	IMS-CCR	5.0.0	Rel-5	F	095	2	CR	Revised from 1167 and 1457	AGREED
4	N1-021514	Proposed WI:MBMS	H3G								WI D	Revised from 1110	AGREED

Annex E Liaison Statements OUT

TDoc #	Status	Source	Tdoc Title	Type	Comments
N1-021364	AGREED	Hannu	Liaison Statement on UE behaviour when network fails authentication	LS OUT	Linked to 0683. To: RAN2
N1-021365	AGREED	Roland	Response LS on "Alternative coding of the MS RAC IE"	LS OUT	Linked to 1117. To: GERAN2
N1-021427	AGREED	A. Allen	Response LS to SA2 on IMS Identities for Rel 99/R4 UICC	LS OUT	Related to 1250. To: SA1, SA2, Cc: SA3, CN4, T3
N1-021446	AGREED	Duncan	Liaison Statement on Deriving IMS parameters from a Pre-Release 5 UICC	LS OUT	To: CN4
N1-021477	AGREED	Jeremy/Nortel	Terminal determination of network support of EDGE	LS OUT	Related to 1208, To: GERAN, SA1
N1-021455	AGREED	Sunil	Liaison Statement on 3GPP Network Domain Name usage for IMS	LS OUT	To: GSMA SerG, GSMA IREG, Cc: CN4, SA2, CN

Annex F Ageed Work Items

Status	TDoc #	Source	Tdoc Title	Type
AGREED	N1-021514	H3G	Proposed WI:MBMS	WID

Annex G Agreed specifications (TS or TR)

None

Annex H Void (List of CRs to N1 drafts)

None since no draft is worked on in CN1.