3GPP TSG CN Plenary Meeting #18 **NP-020540**
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Meeting Report

TSG CN WG1# 26
Miami Beach, USA

23 - 27 September 2002

Chairman: Hannu Hietalahti (Nokia)

Secretary: Per Johan Jorgensen (ETSI/MCC)

Host: North American friends of 3GPP

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Documents can be found on the 3GPP-server:

http://www.3gpp.org/ftp/tsg_cn/WG1_mm-cc-sm/TSGN1_26/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

N1-021864 : CN1 chairman, Title: Agenda (Miami0209)

Discussion : This will continue as a living document in the doc Miami0209.

No joint meetings will take place this time. 2021, 2022, 2023 and 2025 were agreed to be treated in spite of beeing late. The release 5 issue on codec selection at handover/relocation discussion to provide a revised CR will take place in CN4 on Tuesday morning, leaving CN1 to simultaneously deal with IMS stuff so interested delegates can participate.

Conclusion : Agreed

N1-021963 : MCC, Title: DRAFT MEETING REPORT v1.0.0, 3GPP TSG-CN#17, Biarritz, France, 4-6/9-02

Discussion : Informed for possible reference use during the meeting. The problem with increased direct CRs to plenary was discussed, meaning that consencus should be done in the WG level and objections in plenary should be done on technical issues not considered in the WG. Originators of CRs should together with rapporteurs be prepared to point out conflicting texts during the WG meeting. Editorial CRs will probably end for Rel-5 coming December plenary. The forking CR should be based on the last provided to plenary with smaller modifications according to the alternative proposal directly to the plenary. Bigger deviations need to be dealt with in a seperate CR. CN1 need to address the issue that support of SMS is mandatory for GPRS. The interoperability issue between 3GPP IMS and IETF SIP will be adressed via the LS provided from SA#17.

Conclusion : Noted

N1-021965 : MCC, Title: Draft Report for TSG SA meeting #17 - version 0.0.3

Discussion : Highlights regarding CN1 actions were briefly informed, see 1964.

Conclusion : Noted

3 Input Liaison Statements

N1-021545: S3-020322, To: CN1, SA2, Cc: SA1, Type: LS IN, Title: LS on subscriber certificates

Discussion : SA3 asks for checking of which changes are needed to CN1 specifications because of Rel-6 WI subscriber certificates, which is needed to secure the distribution of applications and services. **Forwarded from CN1#25.** There was not any related document provided to this meeting. This is a Rel-6 issue that may need a WID on stage 3 if the work on the CN1 protocol(s) is sufficiantly big,- or just leave a work task in the Workplan? It was thaught that the concept in SA3 is not very stable and therefore CN1 can not do anything in this meeting.

Conclusion: LS OUT in 2051 by Martti

N1-021790: N3-020666, To: SA5, CN1, SA2 Cc:, Type: LS IN, Title: Response Liaison Statement on Multiple Codecs

Discussion : Received during the meeting and more time is needed for CN1 to reply. CN3 replies to a SA5 LS but leaves one question for CN1 and SA2 on how to handle the secondary offer/answer interaction (which would reduce the codecs per media component to one) ? Can it be made outright mandatory (or at least mandatory – operator configurable)? Yes it could, but would it be SIP compliant then? Do we want to limit to just one codec? **Forwarded from CN1#25.** It was in N1-021849 given comments that was found covering answers to this LS from SA5.

***Conclusion*: Noted. See N1-021849**

N1-021810: S4-020478, To: CN1 CC: SA2, CN3, CN4, RAN2, GERAN2, Type: LS IN, Title: Response LS to "Liaison statement on DTMF"

Discussion : Reply to N1-020666. SA4 answer assuming that we meant DTMF transfer between IMS UE and PSTN. The impact on specifications depends on whether single RTP stream or separate streams for speech and DTMF information is used. Furthermore it is believed that DTMF tones need a different QoS than speech. **Forwarded from CN1#25.** The indication of different payload types for speech and DTMF could be shown in 24.228? Single stream with seperate payload was intended in CN1.

***Conclusion*: LS OUT in 2052 by Miguel**

N1-021811: S4-020482, To: RAN2, RAN3, SA2 CC: CN1, Type: LS IN, Title: Liaison Statement on QoS parameters Maximum bit rate/Guaranteed bit rate

Discussion : Concerns are expressed regarding the variation of QoS, especially in term of FER and delay, that can appear when switching from one codec mode to the other one if at least one of these two does not correspond to the guaranteed bit rate, which is the lowest speech mode. **Forwarded from CN1#25.** 1811, 1878 and 1879 are linked.

***Conclusion*: Noted**

N1-021869 : N3-020738, To: CN1, SA2, CC:, Type: LS IN, Title: Proposed solutions for the identification of source IP address information over the Go interface

Discussion : Reply to S2-022045 and N1-021757. CN3 agrees with the CN1 comment, that in case of a mobile router the real source IP address can not be solved;- but they still continue working on the issue based on the SA2 LS in N1-021883.

Conclusion: Noted

N1-021870 : N4-020990, To: SA5 SWGD, CC: SA, CN1, GERAN, RAN2, RAN3, Type: LS IN, Title: Reply LS on Subscriber and Equipment Trace Impacts

Discussion : A CN4 specific or CN-wide WID on Trace will be drafted.

Conclusion: Noted

N1-021871 : N4-021107, To: SA2, CN1 CC: CN3, Type: LS IN, Title: LS on Subscribed Media Parameter

Discussion : CN4 have defined a subscribed media parameter in HSS. This parameter can be transferred to S-CSCF for it to remove any non-subscribed media from the SDP in INVITE message received from the UE. Are there any changes needed to 24.228 or 24.229 because of this? Is the SDP part always readable for S-CSCF? Proposed that CN1 waits on SA2 and IETF decisions. If needed a CR would then be possible probably in the November Bangkok meeting. What to do in 24.229 if the SDP is unreadable (encrypted?)?

Conclusion: Noted

N1-021872 : N3-020733, To: SA4, CC: CN1, SA2, Type: LS IN, Title: LS on RTCP overhead in SDP bandwidth parameter

Discussion : It could not be clarified within CN3 whether the SDP bandwidth parameter contains the overhead coming from RTCP, so S4 is asked to clarify. CN1 is resposibel for the semantics of SDP, and when sending RTP we will be receiving back RTCP which could be around 5% of the bandwith.

Conclusion: LS OUT in 2053 by Miguel

N1-021873 : N3-020740, To: SA2, GERAN2, CN1, CC:, Type: LS IN, Title: LS on CS data services for GERAN Iu-mode

Discussion : CN3 agree the SA2 defined approach to HSCSD to implement all additional necessary functions in BSS, leave the CN and Iu interface untouched for transparent data services, but for non-transparent data services CN3 would like to use existing means of the protocols on the Iu-cs (RANAP, Iu User Plane Framing Protocol) without modifications and to re-use HSCSD specific function in the CN. CN1 is asked to take this into account when defining the control plane signaling. SA2 reply is in N1-021885, and related CR in N1-021979 which seems not to be available for this meeting.

Conclusion: Noted

N1-021874 : S1-021684, To: CN1, CC: GERAN , Type: LS IN, Title: Response LS on "Terminal determination of network support of EDGE"

Discussion :

Conclusion: Noted

N1-021875 : S1-021835, To: T3, SA2, CC: SA5, SA3, CN1, Type: LS IN, Title: Response to T3-020406/S1-021427 (Response "Liaison Statement on Access to IMS Services using 3GPP release 99 and release 4 UICCs" (S1-020577))

Discussion :

Conclusion: Noted

N1-021876 : S1-021841, To: SA2, CC: T2, CN1, Type: LS IN, Title: LS on IMS messaging (3GPP TR 22.940)

Discussion : The follow up is in N1-021886.

Conclusion: Noted

N1-021877 : S1-021851, To: SA2, CC: CN1, Type: LS IN, Title: Correction to Emergency call handling in IMS

Discussion : Was the attached SA1 CR on 22.101 approved? See 1888 on the LS from SA2.

Conclusion: Noted

N1-021878 : R2-022205, To: SA4, CC: RAN3, SA2, CN1, Type: LS IN, Title: Response to LS on QoS parameters Maximum bit rate/Guaranteed bit rate

Discussion : RAN2 say that the case when the AS can not offer the negotiated QoS is not specified. 1811, 1878 and 1879 are linked.

Conclusion: Noted

N1-021879 : R3-022153, To: SA4, CC: RAN2, SA2, CN1, Type: LS IN, Title: Clarification on "Codec mode and Guaranteed Bit Rate in RANAP"

Discussion : The guaranteed bit rate can be set to any value between the lowest and highest codec rate of the active codec set. 1811, 1878 and 1879 are linked.

Conclusion: Noted

N1-021880: S2-022601, To: CN1, CN4, CC:, Type: LS IN , Title: LS Response on persistent dialogs for unregistered users

Discussion : SA2 acknowledge our problem analysis in the LS 1851 we sent on persistent dialogs for unregistered users and they are studying the matter but have no requirements yet.

Conclusion: Noted

N1-021881 : S2-022602, To: CN1, CC:, Type: LS IN, Title: Liaison Response on "S-CSCF filtering responses to forked requests"

Discussion : SA2 reply to 1852 that they do not recommend filtering responses to forked requests and if someone wants to implement it, then it should be a proprietary implementation which does not need to be standardized.

Conclusion: Noted

N1-021882 : S2-022604, To: SA5, CN3, CC: CN1, CN4, Type: LS IN, Title: LS reply to LS reply on "Distribution of IMS Charging ID (ICID) from PCF/P-CSCF to GGSN"

Discussion : SA2 informs SA5 that IMS is an IPv6 only system and if an IMS IP address is included in ICID it will be an IPv6 address. SA2 considers it to be a stage 3 issue to decide if the ICID shall also allow encoding of IPv4 addresses.

Conclusion: Noted

N1-021883 : S2-022621, To: CN3, CN1 CC:, Type: LS IN, Title: Response on "Proposed solutions for the identification of source IP address information over the Go interface"

Discussion : SA2 accepts the CN3 proposal.

Conclusion: Noted

N1-021884 : S2-022622, To: CN1, SA5, CC: CN4, Type: LS IN, Title: Liaison Response on "inclusion of CCF/ECF addresses on Sh interface"

Discussion : Related with 1890, which should be seen first. The view of SA2 on this matter is that the support of CCF/ECF addresses is not required on Sh interface and that the Charging Addresses should be transported using the ISC interface. SA2 agrees with CN1 that use of Sh interface is not mandatory in the architecture and should not be made mandatory.

Conclusion: Noted

N1-021885 : S2-022625, To: CN3, GERAN 2, CN1, CC:, Type: LS IN, Title: LS on CS data services for GERAN Iu-mode

Discussion : S2 accepts CN3's proposal to select:
- option 1 for transparent CS data services and
- option 3 for non-transparent CS data services

Despite the large size of CN 3's document, SA 2 note that many handover cases are not described. SA 2 guess that these handover cases will not cause fundamental problems to CN3's proposal, however, SA2 believe that the GERAN Iu mode standards will need to specify how the following handover scenarios are handled. The case not handled should not be considered due to the large packet sizes. CN1 to update 23.034 and 24.008 accordingly.

Conclusion: LS OUT in 2054 by Robert

N1-021886 : S2-022626, To: SA1, T2, CN1, CC:, Type: LS IN, Title: LS on IMS messaging (3GPP TR 22.940)

Discussion : CN1 is asked to review the IMS messaging requirements based on 22.940. Is there any related document to this meeting? Reply to N1-021876. Related discussion document in N1-021995.

Conclusion: LS OUT in 2055 by Andrew A.

N1-021887: S2-022634, To: CN, CN4, CN1, CC: CN3, Type: LS IN , Title: Response LS on Subscribed Media Parameter

Discussion : The S-CSCF examines the media parameters in the received SDP, and may remove those media streams which the subscriber does not have the authority to request. The detailed content of the SDP information should not be included in the subscriber profile. 1871 is linked.

Conclusion: Noted

N1-021888 : S2-022637, To: SA1, CN1, CC: CN2, Type: LS IN, Title: Correction to Emergency call handling in IMS

Discussion : Related to 1877. A decision was made some time ago that there shall be no support for emergency calls in the IM CN subsystem for Release 5. The UE should in that case for voice telephony use the CS domain to place emergency calls. The solution described in paragraph 10.4 of TS 22.101 v 5.6.0 is incomplete. The Vodafone discussion paper S1-021670 and the SA1 CR S1-021776 propose an additional mechanism. Because of the importance for handling emergency calls in good order, SA1 would like to state this requirement for Release 5 and Release 6 (although further study is required on the complete Release 6 solution). The linked CRs are in 1906, 1907 and 1908 plus 1958 and 1959 (and late doc 2046). Why is changes recomended from Rel-4 ? Due to CAMEL scenario and that the SGSN must support these numbers for roaming subscribers on Rel-4 SGSN, and that the feature is not only related with IMS but affects also the GPRS access network. Proposal has been made for going back to R99. This must however be approved in SA1 also. Work should proceed to a complete stage 1, 2 and 3 CR set for the TSG#18 meeting. The proposed emergency numbers downloaded is not possible to be distinguished without user interaction, whether emergency or local service number is intended.The terminal manufacturers should figure out how the MMI actually should work.

Conclusion: LS OUT in 2058 by Duncan,- withdrawn. Forwarded to CN1#27

N1-021889 : S2-022640, To: SA, CN, CN1, CC: CN3, Type: LS IN, Title: Reply LS on "Media grouping"

Discussion : Even without KIS indication the MS must keep real time media streams separate. SA2 would like to ask CN1 to further pursue the work on the KIS indicator (draft-camarillo-mmusic-separate-streams-00.txt). In SA2's opinon it is desirable to complete this work within Rel5, however, if the Rel5 timelines can not be met, it is acceptable to complete this work in Rel6 timeframe. A default behavior is needed in case no KIS information is received.

Conclusion: Noted

N1-021890 : S5-024343, To: CN1, SA2, CC: CN4, Type: LS IN, Title: CCF/ECF addresses on Sh interface

Discussion : See 1884. SA5 reply to N1-021853 and say that the sending of ECF & CCF addresses on the Sh-interface was intended to be an alternative way of providing the addresses to the AS. Therefore SA5 would not like to remove this possibility.

Conclusion: Noted

N1-021891 : GP-022776, To: CN1, CC:, Type: LS IN, Title: LS on "Corrections in the Mobile Station Classmark 3 coding"

Discussion : The CR to be agreed or not has been split to N1-021997.

Conclusion: Noted

N1-021892 : GP-022819, To: SA3, CC: SA2, CN1, CN3, Type: LS IN, Title: Response LS on Security enhancements for GERAN

Discussion : GERAN assumes that for streaming and conversational service provision over enhanced Gb there is no inherent need to enhance security.

Conclusion: Noted

N1-021961: NP-020357, To: CN1, CN4, CC:, Type: LS IN, Title: LS on Allowed AMR-WB Configurations

Discussion : This proposal from SA4 to restrict the usage of some AMR-WB codec modes was approved in TSGSA #17. This should not impact CN1 since the AMR codecs are negotiated on codec level with CC taking no part in dealing with individual codec modes.

Conclusion: Noted

N1-021962: NP-020393, To: CN1, CN2, CN3, CN4, CN5, CC:, Type: LS IN, Title: Liaison Statement on Interoperability Issues and SIP in IMS

Discussion : The SIP, SIPPING and MMUSIC chairs points out interoperability problems due to divergency of SIP in 3GPP and the IETF SIP principals. This LS is informative to the WGs and recommendations to the SA plenary. The guidance to the 3GPP WGs is given in SA LS in N1-022045, and related docs are 2014 and 1993.

Conclusion: Noted

N1-022044: NP-020480, To: CN1, SA2, Cc: SA, CN3, Type: LS IN, Title: Reply LS on Media grouping

Discussion : Related to CR N1-021956. Reply to N1-021782. CN plenary requests that in TSGN #18 Dec. 2002 either a complete solution on KIS indication or moving the feature to Rel-6 should be presented. To achieve this SA2 and CN1 must be prepared to handle the related CRs during the week of CN1 #27. Related LS from SA2 in N1-021889.

Conclusion: Noted

N1-022045 : SP-020627, To: IETF, Cc: CN, CN1, CN2, CN3, CN4, CN5, SA1, SA2, SA3, SA4, SA5, Type: LS IN, Title: Response to IETF LS on Interoperability Issues and SIP in IMS

Discussion : Those interoperability issues which cannot be quickly resolved as part of Release 5 (i.e., cannot be completed by December) will need further discussion. A primary requirement of 3GPP is to ensure backwards compatibility between releases (especially with respect to terminals). 3GPP WGs are requested to study the specific compliance issues with the aim of removing all non-compliances which are not justified. More time to do this has been allocated until TSGN #18 in December 2002. Any possible items which can not be addressed with that schedule can be considered in Rel-6. Therefore, it is proposed that 3GPP and IETF collaborate (perhaps by a workshop involving the relevant working groups in 3GPP and IETF) to address any remaining non-compliances after December. A SA2/CN1 discussion will take place during CN1#27 meeting in November in Bangkok. Proposal with analysis result from CN1 is

expected. The way the waterfall model runs was questioned, since requirements should not come from a stage 3 CR. Related to N1-021993 and N1-022014. Reply from TSGSA to IETF LS on SIP compliance in N1-021962.

Conclusion: Noted

N1-022109: N3-020838, To: SA2, GERAN2, CN1, CN4, Cc:, Type: LS IN, Title: Reply LS on CS data services for GERAN Iu-mode

Discussion : CN3 would therefore like to suggest that the impacts of the hand-over cases are investigated in the working groups where the appropriate expertise resides, i.e. in GERAN2, CN1 and CN4.

Conclusion: Noted

N1-022110: S2-022633, To: CN1, SA5, Cc: CN4, GERAN, RAN2, RAN3, Type: LS IN, Title: LS reply on Subscriber or Equipment Trace Impacts

Discussion :

Conclusion: Forwarded to CN1#27

N1-022111: S2-022635rev1, To: SA4, RAN2, RAN3, Cc: CN1, Type: LS IN, Title: LS on QoS parameters Maximum bit rate/Guaranteed bit rate

Discussion :

Conclusion: Forwarded to CN1#27

N1-022155: N3-020881, To: CN1 Cc: , Type: LS IN, Title: LS on Review of TR on 3GPP SIP Profile interworking

Discussion : Request from CN3 to review Rel-6 IMS interworking TR.. A joint session with CN3 may be needed in Munich without expanding the CN1 adhoc meeting. The joint session is needed due to changes now proposed as alignments with IETF. An email discussion on how to do a review between interested companies seem to be a way forward, mavbe combined with a conference call. Should concentrate on the flow scenarios and not the solutions in the TR review.
The review of this large document can not be done online, therefore the delegates were asked to discuss it before CN1 #26bis.
Drafting session on this issue was proposed. Siemens indicated that they could invite the interested delegates to a pre-meeting in Munich the day before CN1 #26bis. Thomas Belling volunteered to act as contact person for this drafting session.
The outcome of the drafting session is intended to be submitted to CN1 #26bis as an input document.

A CN1 – CN3 joint session on the identified call scenarios in the TR needs to be agreed between the chairs.

Conclusion: Noted

4 Work Plan for TSGN WG1

N1-021865 : MCC, Type: REPORT, Title: Draft minutes from CN#17

Discussion : Not available. See N1-021963.

Conclusion : Withdrawn

N1-021866 : MCC, Type: REPORT, Title: Draft minutes from SA#17

Discussion : Not available. See N1-021965.

Conclusion : Withdrawn

N1-021867 : MCC, Type: REPORT, Title: CN1 specification responsibility list after plenary#17

Discussion :

Conclusion : Noted

N1-021868 : MCC, Type: WORKPLAN, Title: Work_plan_3gpp_020731 plus comments

Discussion : Old version just for information,- including comments in a mpp-file from CN1 secretary before TSG#17 not yet implemented in the workplan. Feedback to Per on email is asked for if any.

Conclusion : Noted

N1-021964 : MCC, Type: WORKPLAN, Title: Latest workplan from September for review?

Discussion : Only version 31july exists, which is the same as before TSG#17.

Conclusion : Not available

5 Maintenance of Rel-4 and older releases

N1-021898 : 23.009v3b0 CR#081, Nortel, Type: CR , Title: MSC_A_HO SDL correction

Discussion : In GSM 03.09 v7.0.0, the SDL diagram for “Procedure MSC_A_HO Sheet4(26)” shows that when a Clear Request from BSS-b is received, the MSC releases resources on BSS-b and transitions to the "Wait for Access by MS on BSS" state. The MSC waits until the T102 timer expires and connection reverts back to BSS-A.

The removal of incorrect reason for change shall be corrected, stating the need for change only. And the CR needs the SDL file to be included.

Conclusion : Revised to 2059

N1-022059 : 23.009v3b0 CR#081r1, Nortel, Type: CR , Title: MSC_A_HO SDL correction

Discussion : Not available.

Conclusion : Withdrawn

N1-021899 : 23.009v450 CR#082, Nortel, Type: CR , Title: MSC_A_HO SDL correction

Discussion :

Conclusion : Revised to 2060

N1-022060 : 23.009v450 CR#082r1, Nortel, Type: CR , Title: MSC_A_HO SDL correction

Discussion : Not available.

Conclusion : Withdrawn

N1-021900 : 23.009v520 CR#083, Nortel, Type: CR , Title: MSC_A_HO SDL correction

Discussion :

Conclusion : Revised to 2061

N1-022061 : 23.009v520 CR#083r1, Nortel, Type: CR , Title: MSC_A_HO SDL correction

Discussion : Not available.

Conclusion : Withdrawn

N1-021901 : Nortel, Type: DISCUSSION , Title: Handling of TLLI Collision Cases

Discussion : Given the definition of TLLI and the possibility for the MS to hold on to it’s old TLLI, there is potential for TLLI values to be used by more than one subscriber and thus TLLI collisions are possible. The specifications do not specify the handling of such TLLI collisions cases.

The CR refered to in this paper is not exactly dealing with the issue in question. Only during the ongoing uplink TBF the old TLLI is maintained. The allocation of the same P-TMSI should not be allocated a new MS soon after releasing

that one. The scenario described was thought valid but not frequent, and was presumed left to implementations to minimize. No major problems caused by TLLI collisions have been spotted in the current GPRS networks.

At inter-SGSN the possibility of foreign TLLI collision was identified. If this is serious enough the R97 needs to be impacted and with a new cause value the MS behavior needs to be specified. How should the SGSN or BSC trigger on this collision case ? Would not a new P-TMSI be allocated at Attach?

Conclusion : Noted

N1-021906 : Vodafone, Type: DISCUSSION , Title: Downloading of local emergency numbers to the mobile station

Discussion : A liaison statement from SA2 in Tdoc N1-021888 has been received, asking CN1 to make changes to the stage three specifications in order to allow the core network to download local emergency numbers to the mobile station for use within a particular country.

Motorola and Siemens expressed their concern regarding the Rel-4 change which they do not see justified. Future compatibility,- how does a Rel-6 network know whether to accept of reject PS emergency session? N1-021906, N1-021907, N1-021908, N1-021958 and N1-021959 are related.

The offline discussions is now looking at an hybrid solution, and the issue should be handled probably via email exploder and/or to set up a conference call to discuss the revisions before the next CN1. See 1888 LS which will be answered from CN1#27.

Conclusion : Noted

N1-021907 : 24.008v480 CR#691, Vodafone, Type: CR , Title: Downloading of local emergency numbers to the mobile station

Discussion : To build IMS on top of Rel-4 SGSN the new requirements should start from Rel-4, in which case the stage 1 and 2 are needed. But since the requirement is for non-IMS calls as well it was desired by some that this could be delayed to Rel-5 or later. N1-021906, N1-021907, N1-021908, N1-021958 and N1-021959 are related.

Conclusion : Postponed

N1-021908 : 24.008v550 CR#692, Vodafone, Type: CR , Title: Downloading of local emergency numbers to the mobile station

Discussion : Introduction of an additional list of emergency numbers in the UE to assist in determining whether the dialled number is an emergency number or a local short number. Prepare for emergency service handling for Rel-5 IMS. The network may use the MM INFO and GMM INFO messages to download emergency numbers valid for the PLMN where the UE currently is roaming. N1-021906, N1-021907, N1-021908, N1-021958 and N1-021959 are related.

Why not only change to MM? In case the MS is only GPRS attached. Is the list stored in ME or SIM? ME. The list in the MS should be updated in the MM memory either way, and resulting in same handling of INFORMATION message in both MM and GMM. Delete the list when changing PLMN or MCC? MM Information and GMM Information procedure are not acknowledged in MM/GMM level, and therefore the out-of-coverage situation must be considered. The new procedures must be supported when providing IMS and roaming agreements, but how to ensure the operator sends the list? INFORMATION and the new feature are optionally specified,- due to some countries where this is not regulatory mandated, but then this issue must be clearly specified in Stage 1. But the intention is to make the INFORMATION message mandatory in Rel-5. Emergency calls in limited service state must be considered since MM connection is only set up after the user has dialed emergency number. Could ACCEPT messages for attach and RAU solve the problem when beeing in a cell with limited service state?

Conclusion : Postponed

N1-021945 : 23.122v380 CR#056, Nokia, Type: CR , Title: Correction of references

Discussion : Some references to pre-R99 GSM specifications still exist in 23.122. Old and redundant references have been updated. MCC can remove the introductury title on all references at implementation time, except the core title itself.

Conclusion : Agreed

N1-021946 : 23.122v420 CR#057, Nokia, Type: CR , Title: Correction of references

Discussion :

Conclusion : Agreed

N1-021947 : 23.122v510 CR#058, Nokia, Type: CR , Title: Correction of references

Discussion :

Conclusion : Agreed

N1-021948 : 24.008v3d0 CR#695, Nokia, Type: CR , Title: No MT calls after resumption of GPRS in Network Operation Mode I

Discussion : Currently 23.060 and 24.008 give contradictory requirements for the MS to perform a RAU instead of combined RAU if the network does not perform GPRS resume in NMO I. Change the MS requirement to always perform a combined RAU in NMO I if no GPRS resume indication is received.

The SA2 is changed back to R97, so it needs to be considered here as well. The SA2 CR version was r2, not r1. Rewording of inserted text in 5.2.1 needed to indicate that it is the end of the CS call with no GPRS resume that triggers the combined RAU. From R97 the WI shall be GPRS, and R97 should be cat. F, the others cat. A. Correct the reference and use 'subclause'. Also R97 and R98 CRs are needed since this is GPRS related, not UMTS related problem.

Conclusion : Revised to 2062

N1-022062 : 24.008v3d0 CR#695r1, Nokia, Type: CR , Title: No MT calls after resumption of GPRS in Network Operation Mode I

Discussion :

Conclusion : Agreed

N1-021949 : 24.008v480 CR#696, Nokia, Type: CR , Title: No MT calls after resumption of GPRS in Network Operation Mode I

Discussion :

Conclusion : Revised to 2063

N1-022063 : 24.008v480 CR#696r1, Nokia, Type: CR , Title: No MT calls after resumption of GPRS in Network Operation Mode I

Discussion :

Conclusion : Agreed

N1-021950 : 24.008v550 CR#697, Nokia, Type: CR , Title: No MT calls after resumption of GPRS in Network Operation Mode I

Discussion :

Conclusion : Revised to 2064

N1-022064 : 24.008v550 CR#697r1, Nokia, Type: CR , Title: No MT calls after resumption of GPRS in Network Operation Mode I

Discussion :

Conclusion : Agreed

N1-022076 : 04.08v6j0 CR#A1125, Nokia, Type: CR , Title: No MT calls after resumption of GPRS in Network Operation Mode I

Discussion :

Conclusion : Agreed

N1-022077 : 04.08v7i0 CR#A1127, Nokia, Type: CR , Title: No MT calls after resumption of GPRS in Network Operation Mode I

Discussion :

Conclusion : Agreed

N1-021966 : 09.95v620 CR#007, Motorola, Type: INFO , Title: Use of cause #14 in networks using NMO I

Discussion : When cause #14 was introduced, to cater for problems found with 'National Roaming', no specific network behaviour towards legacy mobiles (i.e. those already on the market not supporting cause #14) was defined. In general this is not a problem. However it has been found that in networks using NMO I the use of cause #14 can lead to legacy mobiles not obtaining any service at all (i.e. CS may not work). This is due to the way the Combined Procedures are defined to work. To enable legacy mobiles to still obtain service, a network operating in NMO I would be better served by using cause #7 as a default value towards 'international' roaming mobiles. In networks using NMO II or III the use of cause #14 does not impact the CS service availability. It is proposed that an additional paragraph is added to section 5.2 of TR 09.95 to cover this potential short coming in the use of cause #14.

This should be valid for both combined attach and RAU. No specific cause value should be mentioned but left to implementations to avoid repeated RAUs after completed attach/RAU counters.
According to 24.008 4.7.3.2.5 the MS remains in MM IDLE substate NORMAL SERVICE if it was updated before. If not, the new substate is ATTEMPTING TO UPDATE and therefore according to 4.2.2.2 must perform normal LU procedure.
This is not about whether GMM reject cause #14 is supported by the mobile but how the support of not known reject causes in NMO I has been implemented, eg #15 also.
After reject cause #7 the MS shall consider SIM as invalid for GPRS services until switch off the SIM is removed.
Also R98 of 09.95 does exist and mirror CR is needed.
Why does the MS keep repeating RAU's,- 24.008 does not give any (4.7.3.1.5) requirement for GMM state transitions even though the MM states and substates after attempt counter * combined procedures have been made

Conclusion : Revised to 2065

N1-022065 : 09.95v620 CR#007r1, Motorola, Type: INFO , Title: Use of cause #14 in networks using NMO I

Discussion : When cause #14 was introduced, to cater for problems found with 'National Roaming', mobiles implemented prior to its introduction were unable to take advantage of the new cause value #14. In general this is not a problem. However it has been found that in networks using NMO I the use of cause #14 can lead to some of these legacy mobiles not obtaining service. It is proposed that an additional paragraph is added to section 5.2 of TR 09.95 to cover this potential short coming in the use of cause #14.

Other cases were CS service can not be obtained is possibly identified by the originator in 24.008 in Attach and RAU.

Conclusion : Revised to 2148 and LS OUT in 2149 by Andrew H

N1-022148 : 09.95v620 CR#007r2, Motorola, Type: INFO , Title: Use of cause #14 in networks using NMO I

Discussion :

Conclusion : Agreed

N1-021976 : 24.008v480 CR#702, Siemens, Type: CR , Title: Clarification of the codec change procedure

Discussion : Starting with Rel-4, the mobile station and the network can support more than one UMTS codec: UMTS AMR/AMR2 and EFR. It needs to be clarified that the implicit indication of the codec type specified in R99 applies to call setup, in-call modification and GSM to UMTS inter-system handover, but not to UMTS to UMTS handover. The implicit signalling does not apply to UMTS to UMTS handover, since this kind of handover can be performed under control of the RNC, without participation of the core network. During such a handover the codec type does not change, but the RNC will not include the NAS Synchronisation Indicator in the respective RRC handover message. In contrast to this, if the mobile station does not receive the NAS Synchronisation Indicator during inter-system handover from GSM to UMTS, then it has to select the UMTS default speech codec, because the core network might be a R99 network. (E.g. if the call was setup in GSM with an EFR codec and is handed over to UMTS - without signalling of a NAS Synchronisation Indicator, the mobile station has to change to the UMTS AMR 2 codec.) In UMTS, if the mobile station does not receive the NAS Synchronisation Indicator with the RRC signalling, then it shall keep the current UMTS codec.

If the mobile station does not receive the NAS Synchronisation Indicator during inter-system handover from GSM to UMTS, then it shall select the UMTS AMR 2 speech codec. The change should cover all cases when UMTS codec is started. Is call clearing with in-band tones case covered in the text? In 5.3.3 the same wording should be used,- modify instead of change.

Conclusion : Revised to 2066

N1-022066 : 24.008v480 CR#702r1, Siemens, Type: CR , Title: Clarification of the codec change procedure

Discussion :

Conclusion : Agreed

N1-021977 : 24.008v550 CR#703, Siemens, Type: CR , Title: Clarification of the codec change procedure

Discussion :

Conclusion : Revised to 2067

N1-022067 : 24.008v550 CR#703r1, Siemens, Type: CR , Title: Clarification of the codec change procedure

Discussion :

Conclusion : Agreed

N1-021997 : 24.008v550 CR#698, Siemens, Type: CR , Title: Inclusion of EDGE RF Power Capability in the CM3 IE

Discussion : The struct definition is renamed to "ECSD Struct" in order to reflect that it shall only be included if the MS supports ECSD. The numbering of the Bit1-3 of the Multiband Supported bit field description is re-ordered in order to keep the order defined in the Phase2 specification.

This CR is splitted out from 1891 LS IN. The second problem belongs to R96 onwards, and happened together with introduction of CSN1 encoding.

Conclusion : Agreed

N1-022000 : 23.009v3a0 CR#085, Nokia, Type: CR , Title: Interaction of relocation and security procedures

Discussion : It is clarified in relevant sections that if BSSAP signalling is used over MAP/E interface and SRNS rejectes the security mode control procedure because a relocation became necessary, the 3G_MSC-B does not send BSSAP CIPHER MODE REJECT message to 3G_MSC-A over MAP/E interface. Instead, if the target of the relocation is within 3G_MSC-B, 3G_MSC-B reinitiates the security procedure towards the new SRNS after relocation has been completed. If the target is 3G_MSC-A (or 3G_MSC-B'), then 3G_MSC-A shall reinitiate the security procedure towards the new SRNS (or 3G_MSC-B') if security procedure has not been completed before relocation.

Can the same problem occur during assignment? 25.413 is the assignment procedure with security mode. A solution with a cause value was proposed due to more clarity. Discussion whether it should be MSC-A or MSC-B which takes control of the procedure. The principal of MSC-A always having control seems violated with MSC-B initiating the security mode procedure. Comment that it is not clear whether upon reception of CIPHER MODE REJECT the MSC should release the call or not. This CR change was seen by one company as adding functionality to R99 since nothing was stated to release the call or not.

Conclusion : Revised to2068

N1-022068 : 23.009v3a0 CR#085r1, Nokia, Type: CR , Title: Interaction of relocation and security procedures

Discussion : Not available.

Conclusion : Withdrawn

N1-022001 : 23.009v430 CR#086, Nokia, Type: CR , Title: Interaction of relocation and security procedures

Discussion :

Conclusion : Revised to 2069

N1-022069 : 23.009v430 CR#086r1, Nokia, Type: CR , Title: Interaction of relocation and security procedures

Discussion : Not available.

Conclusion : Withdrawn

N1-022002 : 23.009v510 CR#087, Nokia, Type: CR , Title: Interaction of relocation and security procedures

Discussion :

Conclusion : Revised to 2070

N1-022070 : 23.009v510 CR#087r1, Nokia, Type: CR , Title: Interaction of relocation and security procedures

Discussion : Not available.

Conclusion : Withdrawn

N1-022039 : DoCoMo, Type: DISCUSSION , Title: Discussion Paper on introducing CB for SMS in PS domain

Discussion : The ANNEX A of TS22.004 version 3.3.0 seems to require the CB for SMS is applicable not only in CS domain but also in PS domain. However, the current R99 stage 2 and 3 specifications do not support the CB for SMS in PS domain. The current specifications support the CB for SMS only in CS domain. If the CB for SMS is introduced to PS domain in order to remove the misalignment between stage 1 and stage 2/3, the changes should be introduced at least from R99 onwards. However, introducing the CB for SMS to PS domain seems to be categorized into the addition of function. Therefore, the question which release is changed is raised.

It was expressed that the understanding of stage 1 specification was difficult when coming to what is required to be implemented. Stage 2 and 3 are not available. Probably CB is not supported for CS SMS either. Are the teleservice 11 barred? SMS can be barred by means of barring the SMS center number. It was decided to ask SA1 to clarify what they mean with normative annex A in 22.004. Either SMS CB in PS domain must be added to stage 2 & 3 from R99, Rel-4 and Rel-5 (or start in Rel-6?) or the CB for SMS stage 1 must be clarified to mean CS domain only (or deleted completely). Adding the SS procedures to PS domain was deliberately avoided when drafting R99. LS to SA1 was agreed to be sent in N1-022071 by Igarashi.

Conclusion : Noted and LS OUT in 2071 by Igarashi

N1-022040 : 24.008v3d0 CR#699, Motorola, Type: CR , Title: Use of "LLC SAPI not assigned" by the network

Discussion : As TS 24.008 currently stands, allows the *Negotiated LLC SAPI* in ACTIVATE (SECONDARY) PDP CONTEXT ACCEPT messages to be encoded as “LLC SAPI value not assigned”. However, if an MS capable of operating in both GSM and UMTS receives such an LLC SAPI value from the network, it might not be able to handover from UMTS to GSM. A valid LLC SAPI value is required for such handover to take place.

The network do not know if the MS is capable of GSM and UMTS or UMTS only, because SGSN does not check the Radio Access Capability. It was proposed to agree that if the network receives a valid LLC SAPI the answer shall not be “LLC SAPI value not assigned”. But if the network only supports UMTS this will be a possible case. This was counterargued with that an echoing from the UMTS only network would be better in order that a MS should not possibly drop the PDP context establishment. And for a UMTS to UMTS/GSM network to be able to do a handover. Is the Note below the new text sufficient,- including a 'shall' to be corrected. Old specification version used.

Conclusion : Revised to 2072

N1-022072 : 24.008v3d0 CR#699r1, Motorola, Type: CR , Title: Use of "LLC SAPI not assigned" by the network

Discussion : No mirror CRs, since the change to later releases is somewhat different. The related Rel-4 and Rel-5 CRs are in N1-022041 and N1-022042.

Conclusion : Agreed

N1-022041 : 24.008v480 CR#700, Motorola, Type: CR , Title: Use of "LLC SAPI not assigned" by the network

Discussion : Is the test specifications affected?

Conclusion : Agreed

N1-022042 : 24.008v550 CR#704, Motorola, Type: CR , Title: Use of "LLC SAPI not assigned" by the network

Discussion :

Conclusion : Agreed

N1-022048 : 24.008v3d0 CR#705, ETSI-NEC Technologi, Type: CR , Title: Cell barring after Network authentication rejection from the UE

Discussion : 25.331 newly defines this procedure : “The purpose of this procedure is to release the RRC connection and bar the current cell or cells. The procedure is requested by upper layers when they determine that the network has failed an authentication check”. This procedure can be found in chapter 8.1.4a and is an Access Stratum procedure. 24.008 now words “If the MS deems that the network has failed the authentication check, then it should abort the RR connection and the PS signalling connection. Additionally, the MS shall treat the cell where the first failed AUTHENTICATION REQUEST message which lead to sending of AUTHENTICATION FAILURE was received as barred.” A contradiction can be seen between the two descriptions.

Also the CS domain needs to be corrected. The PS signalling connection has disappeared, but should be maintained in the NAS part describing the release of this. Both domains is no longer available when the RRC connection is released.

Conclusion : Revised to 2073

N1-022073 : 24.008v3d0 CR#705r1, ETSI-NEC Technologi, Type: CR , Title: Cell barring after Network authentication rejection from the UE

Discussion : Missing a 'shall'.

Conclusion : Revised to 2150

N1-022150 : 24.008v3d0 CR#705r2, ETSI-NEC Technologi, Type: CR , Title: Cell barring after Network authentication rejection from the UE

Discussion :

Conclusion : Agreed

N1-022049 : 24.008v480 CR#706, ETSI-NEC Technologi, Type: CR , Title: Cell barring after Network authentication rejection from the UE

Discussion : References to Rel-4 specs is needed and not eg. 3GPP TS 04.18.

Conclusion :Revised to 2074

N1-022074 : 24.008v480 CR#706r1, ETSI-NEC Technologi, Type: CR , Title: Cell barring after Network authentication rejection from the UE

Discussion :

Conclusion : Agreed

N1-022050 : 24.008v550 CR#707, ETSI-NEC Technologi, Type: CR , Title: Cell barring after Network authentication rejection from the UE

Discussion :

Conclusion : Revised to 2075

N1-022075 : 24.008v550 CR#707r1, ETSI-NEC Technologi, Type: CR , Title: Cell barring after Network authentication rejection from the UE

Discussion :

Conclusion : Agreed

N1-022090 : 04.08v5.18.1 CR# A1129, Siemens, Type: CR , Title: Coding of the "Multiband Supported" bit field in the CM3 IE

Discussion : When the IE description was transformed from table notation into CSN1 syntax the order of the bits of the " Multiband Supported" bit field has be reversed by error. In the CSN1 notation the left bit has the highest number, thus DCS 1800 which was bit 7 in table notation should be bit 3 in CSN1 and P-GSM which was bit 5 should be bit 1.

All manufacturers are urgently requested to check out their implementation is compliant with this CR. See 1997 (Rel-5).

Important CR, coding error in R96 and up to Rel-5 specs!

Rel-5 CR is already covered in N1-021997 CR which also deals with EDGE capabilities.

Conclusion : Agreed

N1-022091 : 04.08v6.19.0 CR# A1131, Siemens, Type: CR , Title: Coding of the "Multiband Supported" bit field in the CM3 IE

Discussion :

Conclusion : Agreed

N1-022092 : 04.08v7.18.0 CR# A1133, Siemens, Type: CR , Title: Coding of the "Multiband Supported" bit field in the CM3 IE

Discussion :

Conclusion : Agreed

N1-022093 : 24.008v3.13.0 CR# 708, Siemens, Type: CR , Title: Coding of the "Multiband Supported" bit field in the CM3 IE

Discussion :

Conclusion : Agreed

N1-022094 : 24.008v4.8.0 CR# 709, Siemens, Type: CR , Title: Coding of the "Multiband Supported" bit field in the CM3 IE

Discussion : The Rel-5 change is in 1997.

Conclusion : Agreed

6 Joint session with other CN working groups

None for this meeting.

7 Release 5

7.1 Non-IMS Rel-5 corrections

N1-021978 : 29.018v510 CR#032, Siemens, Type: CR, Title: Clarification of the coding of the Global CN-Id

Discussion : In a LS (N1-0211520) GERAN WG2 commented that the encoding of the allowed range for the CN-Id requires less than 2 octets and asked for guidance how the bit encoding is performed.

Conclusion : Agreed

N1-021979 : 23.034v500 CR#007r1, Siemens, Type: CR, Title: Introduction of GERAN Iu-mode

Discussion :

Conclusion : Not available.

N1-021980 : 23.009v520 CR#084, Siemens, Type: CR, Title: Inter-MSC relocation and intersystem handover for multiple codecs

Discussion : Not presented.

Conclusion : Revised to 2078

N1-022078 : 23.009v520 CR#084r1, Siemens, Type: CR, Title: Inter-MSC relocation and intersystem handover for multiple codecs

Discussion : Not presented.

Conclusion : Revised to 2152

N1-022152 : 23.009v520 CR#084r2, Siemens, Type: CR, Title: Inter-MSC relocation and intersystem handover for multiple codecs

Discussion :

Conclusion : Postponed

N1-022003 : Ericsson, Type: DISCUSSION, Title: Inter-MSC SRNS Relocation For SCUDIF Calls

Discussion : This has been seen in other WGs and CRs will be needed,- but non in CN1 area was expected now.

Conclusion : Noted

N1-022046 : H3G, Type: DISCUSSION, Title: Emergency Service Procedure

Discussion :

Conclusion : Not available.

7.2 IMS documents for information

N1-021910 : Lucent T., Type: INFORMATION, Title: Summary of current IETF documents on SIPPING

Discussion : The content is somewhat outdated already. What do people want to see in these information documents for Rel-6 ?

Conclusion : Noted

N1-021911: Lucent T., Type: INFORMATION, Title: Summary of current IETF documents on SIP

Discussion :

Conclusion : Noted

N1-021912 : Lucent T., Type: INFORMATION, Title: Summary of current IETF documents on MMUSIC

Discussion :

Conclusion : Noted

N1-021929 : Ericsson, Type: INFORMATION, Title: INFO: 3GPP SIP P- headers Internet draft

Discussion : Draft is probably tentatively approved in IETF, but official response is awaited. The comment from Nokia was maybe in the 12th hour, and it remains to see if it can be incorporated.

Conclusion : Noted

N1-021996 : Dynamicsoft, Type: INFORMATION, Title: CN1 Open Items List

Discussion : Worked upon to introduce the IETF alignment, and further offline comments was requested.

Conclusion : Noted

7.3 IMS Registration

N1-021904 : 24.229v520 CR#199, Ericsson, Type: CR, Title: Service Route Header and Path Header interactions

Discussion : The specification refers to an old document that defined the P-Service-Route header. This header is no longer a P- header, but a standard SIP header named Service-Route.

The inserted text may be a Note. Heading 7.2.8 must be Void. CR in N1-021994 have coliding text to be clarified next.

Conclusion : Revised to 2080

N1-022080 : 24.229v520 CR#199r1, Ericsson, Type: CR, Title: Service Route Header and Path Header interactions

Discussion :

Conclusion : Agreed

N1-021933 : 24.229v520 CR#209, Lucent T., Type: CR, Title: UE Registration

Discussion : Proper use of terminology and additional text in the Note indicating that there is an alternatwe method of discovering implicitly registered public user identities.

Some text modifications were agreed in end of 5.1.1.6. UE does not receive IK but calculates it.

Conclusion : Revised to 2081

N1-022081 : 24.229v520 CR#209r1, Lucent T., Type: CR, Title: UE Registration

Discussion :

Conclusion : Agreed

N1-021935 : 24.229v520 CR#211, Lucent T., Type: CR, Title: Usage of private user identity during registration

Discussion : Additional text indicating that the integrity-protected REGISTER request contains the authorized private user identity.

What about doing the check on private user ID also for not integrity protected REGISTER? No. How is the comparison in bullet 7) done? As stated in bullet item 4 below by the storing of the privat user ID.

Conclusion : Revised to 2083

N1-022083 : 24.229v520 CR#211r1, Lucent T., Type: CR, Title: Usage of private user identity during registration

Discussion :

Conclusion : Agreed

N1-021936 : 24.229v520 CR#212, Lucent T., Type: CR, Title: P-CSCF subscription to the users registration-state event

Discussion : Incorrect text in the subclause 5.2.3 and incomplet information in the Note in the subclause 5.2.4.

2 requests that the note needs a change to the words 'different' mechanism, and inform the P-CSCF,- not inform the UE.

Conclusion : Revised to 2084

N1-022084 : 24.229v520 CR#212r1, Lucent T., Type: CR, Title: P-CSCF subscription to the users registration-state event

Discussion :

Conclusion : Agreed

N1-021940 : 24.229v520 CR#216, Lucent T., Type: CR, Title: S-CSCF handling of protected registrations

Discussion : In case of multiple registrations, the REGISTER request for an unregistered public user identity will arrive as "integrity-protected" at the S-CSCF. Currently the 24.229 document does not clearly specify how to handle this case.

This deals with registration of an additional ID. The wording was found not reader friendly so offline editing will take place. But the case was accepted. Using field instead of parameters or vice versa needs to be systematic used in spite of IETF variations here.

Conclusion : Revised to 2085

N1-022085 : 24.229v520 CR#216r1, Lucent T., Type: CR, Title: S-CSCF handling of protected registrations

Discussion : The comments are the difficulty to follow the steps now, and can be difficult to maintain in case of CRs.

Conclusion : Agreed

N1-021941 : 24.229v520 CR#217, Lucent T., Type: CR, Title: S-CSCF handling of subscription to the users registration-state event

Discussion : Additional text that indicates that the S-CSCF will insure that the authenticated user can only subscribe to its own registration-state event.

More entities could use this limitation, and then the criteria needs to be specified for how to detect the own event only. S-CSCF needs to authorize the sender of the subscription, or even for INVITES ? How to check at S-CSCF if the request (maybe also other than SUBSCRIBE) came from the right user? A security hole, when the sender is legal with a SA established. At least P-CSCF and UE are allowed to subscribe to registration state information but it was proposed that additionally e.g. an AS may have to do so,- and this should not be forbidden.

Conclusion : Revised to 2086

N1-022086 : 24.229v520 CR#217r1, Lucent T., Type: CR, Title: S-CSCF handling of subscription to the users registration-state event

Discussion : Spell checking could be benefitial.

Conclusion : Agreed

N1-021943 : 24.229v210 CR#219, Lucent T., Type: CR, Title: Handling of default public user identities by the P-CSCF and S-CSCF

Discussion :

Conclusion : Not available.

N1-021951 : 24.228v520 CR#073, Ericsson, Type: CR, Title: Corrections to the Path and Service-Route headers

Discussion : 2024 is a related/alternativ CR. The current registration flows do not make usage of the Service-Route header, as required in 24.229. On the other hand, usage of the Path header is not done according to the requirements expressed in 24.229.

Proxy-require is probably not needed. Insert some parts from 2024.

Conclusion : Revised to 2087

N1-022087 : 24.228v520 CR#073r1, Ericsson, Type: CR, Title: Corrections to the Path and Service-Route headers

Discussion : Corrections to restore the Path.

Conclusion : Revised to 2151

N1-022151 : 24.228v520 CR#073r2, Ericsson, Type: CR, Title: Corrections to the Path and Service-Route headers

Discussion :

Conclusion : Agreed

N1-021985 : 24.228v520 CR#077, Ericsson, Type: CR, Title: Contact header value at registration

Discussion : Added the methods parameter to the Contact header value in REGISTER requests.

It was questioned if it is need for the MESSAGE method. This is already in 24.229. Seems as most of the methods to be indicated is optional except for MESSAGE. Shall we then only have MESSAGE, nothing (which also means that MESSAGE can be supported) or all methods supported by the UE ? 24.229 needs to be agreed on first was expressed. Call preferences requires all methods listed and not capabilities. It was agreed that the most typical example of caller preferences usage should be shown, but there was uncertainty what caller preference usage would be typical. Discussions are initiated on IETF list. A later revision of the CR may be needed depending on the outcome of that discussion.

Conclusion : Agreed

N1-021987 : 24.229v520 CR#232, Siemens, Type: CR, Title: Expires information in REGISTER response

Discussion : 24.229 describes that REGISTER 200 OK Response includes a EXPIRES header, this is not in accordance with RFC 3261 (section 10.3, bullet 8), where it is stated that the Registrar returns the expires value for each currently registered contact in an parameter of each of these contacts.

The inserted text for the deleted text shall be deleted. 24.228 changes are needed, and will be integrated into 2087.

Conclusion : Revised to 2095

N1-022095 : 24.229v520 CR#232r1, Siemens, Type: CR, Title: Expires information in REGISTER response

Discussion :

Conclusion : Agreed

N1-021990 : 24.228v520 CR#079, Siemens, Type: CR, Title: CR on the registration state event package

Discussion :

Conclusion : Not available.

N1-021994 : 24.229v520 CR#236, Dynamicsoft, Type: CR, Title: Alignment of UE with SIP UA funtions including Path header and Service-Route header support

Discussion : Clear statement is made that the UE shall support the full set of procedures and capabilities for the Via, Route, and Record-Route headers as specificied in RFC 3261 and for the Path header as specified in RFC 3327 and for the Service-Route header as specified in draft-ietf-sip-scvrtdisco in clause 5.1. The UE will add the Supported: path header to the REGISTER request instead of the P-CSCF. P-Service-Route has been replaced by Service-Route throughout and the P-Service-Route header section in clause 7 has been made void and the reference to the draft updated. Tables in Annex A have been updated.

Service Route header to the UE in Rel-5 is to be future proof and secure backward capability. The UE does not need the path functionality, and the need to make this mandatory was not receiving much support. The alignment with IETF is only to not strip it off in P-CSCF to the UE. If the PATH header should be supported or not were discussed, claiming that the UE should not Route, but leave that to the P-CSCF. The flexibility with eg. caching in UE was argued. What part of the PATH functionality (tag, extension) should be within the UE ? Voiding 7.2.8 should be taken out of the revision of this CR since N1-021904 and N1-021994 are overlapping.

Conclusion : Postponed

N1-022024: 24.228v520 CR#085, Nokia, Type: CR, Title: Path and P-Service-Route corrections

Discussion : Corrections according-to RFC 3327 and draft-willis-scvrtdisco-06.

Related CR in 1951, and a difference is Service Route header as described in clause 16, where the Ericsson contribution in 1951 is correct. Since the CR in 2024 is not following the 24.229 procedures the change should be advocated there first. Is it possible to get rid of hiding ? Is I-CSCF synonymous with hiding ? Some parts goes to 2087 for inclusion.

Conclusion : Rejected

7.4 IMS Deregistration

N1-021954 : Ericsson, Type: DISCUSSION, Title: Detach of terminals while connected to IMS

Discussion :

Conclusion : Not available.

N1-021955 : 24.229v520 CR#221, Ericsson, Type: CR, Title: Detach of terminals connected to IMS

Discussion :

Conclusion : Not available.

7.5 IMS Configuration hiding

None.

7.6 IMS Authentication

N1-022037 : 24.229v520 CR#251, Lucent T., Type: CR, Title: Security association clarifications

Discussion :

Conclusion : Not available.

7.7 IMS Call initiation

N1-021893 : 24.228v520 CR#071, Nortel, Type: CR, Title: Add P-headers to MO#1b flow

Discussion : Examples of P-Preferred-Identity and P-Access-Network-Info are added to the MO#1b call flow.

Should Access-network-Info be stored in S-CSCF. Yes, goes into the table. 'Shall' should not exist in 24.228. 17.2.2.1 flow 10 comes from the terminating side and was clarified. Correct other issus (Alien Blaster etc.) for consistency.

Conclusion : Revised to 2096

N1-022096 : 24.228v520 CR#071r1, Nortel, Type: CR, Title: Add P-headers to MO#1b flow

Discussion : No clear understanding of need to store P-Access-Network information from P-CSCF in S-SCCF,- FFS.

Conclusion : Agreed

N1-021903 : 24.229v520 CR#198, Ericsson, Type: CR, Title: Alignment of the MGCF procedures to RFC 3312

Discussion : And old version of the manyfolks draft used to mandate the usage of the Content-Disposition header set to the value "precondition". However, the approved RFC 3312 [30] has deprecated it, and so it has been deleted from the CS termination procedures.

Conclusion : Agreed

N1-021925 : 24.229v520 CR#204, Lucent T., Type: CR, Title: Fix gprs-charging-info definition and descriptions

Discussion : In general, make SIP definition more compact. Remove the “gprs-charging-info” and “pdp-id=” text strings from the gprs-charging-info definition. Change flow-index to flow-id and allow multiple instances per PDP context. Also, clean up the descriptions of and use of gprs-charging-info. Generalize the references to gprs-charging-info to use access-network-charging-info, which is the parent item in the SIP header definition. A flag is added to indicate if a PDP context was used for SIP signalling. Lastly, some editorial changes are made to clause 4.5.

5.2.7.4 in the middle, which entity is receiving the signalling flag and should downlink be mentioned also ? It is GGSN and an additional paragraph shall be added. The structure change in 5.2.7.4 was not wanted, but it was said not to be changed, only lifted up one level. Using IMS instead of SIP signalling would be better. ‘IM CN subsystem signaling PDP context’ does not exist and signaling PDP context is not restricted to SIP signaling only. 'Child' parameter is a non-existing terminology. Should reference to the clause on signalling flag be made instead of dublicating the text. The binding in P-CSCF can only be done by authorization token,- and text in this CR around this needs clarification.

Conclusion : Revised to 2079

N1-022079 : 24.229v520 CR#204r1, Lucent T., Type: CR, Title: Fix gprs-charging-info definition and descriptions

Discussion : A CR to 24.228 on this was requested, as the parameter was said not to be in 24.228. There is no indication of impact to other specifications and possible 24.228 CR was discussed but there was no decision if one is needed or not.

Conclusion : Agreed

N1-021926 : 24.229v520 CR#205, Lucent T., Type: CR, Title: Fix ioi descriptions

Discussion : The current 24.229 description of IOI says that the MGCF will populate values indicating the associated circuit-switched system. Instead, the MGCF should be inserting values of the network in which the MGCF resides. The MGCF may or may not be in the same network as the S-CSCF, especially for calls to the PSTN/PLMN. Also, the description for inserting term-ioi by the MGCF is missing.

What about the MFRC ? Still not to be done since it is still discussed. Some clarification to sending network in 3.1.1 is needed. An open issue identified to be checked offline.

Conclusion : Revised to 2097

N1-022097 : 24.229v520 CR#205r1, Lucent T., Type: CR, Title: Fix ioi descriptions

Discussion : In 5.1.1.3.2 the insertion of term-ioi should have been done before coming to MGCF. This would be correct to do if the parameter is 'mandatory'. No agreement on whether the originating IOI must be inserted always or only if IOI was received. Is there any impact on the other specifications

Conclusion : Rejected

N1-021927 : 24.228v520 CR#072, Lucent T., Type: CR, Title: Add charging P-header examples to call flows

Discussion : Not presented.

Conclusion : Revised to2057

N1-022057 : 24.228v520 CR#072r1, Lucent T., Type: CR, Title: Add charging P-header examples to call flows

Discussion :

Conclusion :Revised to 2099

N1-022099 : 24.228v520 CR#072r2, Lucent T., Type: CR, Title: Add charging P-header examples to call flows

Discussion : Not available.

Conclusion : Withdrawn

N1-021928 : 24.229v520 CR#140r2, Ericsson, Type: CR, Title: Support of non-IMS forking

Discussion : Align with SA2 which documented in 23.228 how IMS should support forking done externally to the IMS network. In particular, then handling of the PDP contexts in this case is specified.

It was questioned if RAB resources was allocated that needs to be released after the first response. Yes if an allocated PDP context is asked for which is no longer needed. Clause changes to subclause if spotted at implementation.

Conclusion : Agreed

N1-021932 : 24.229v520 CR#208, Ericsson, Type: CR, Title: Handling of INVITE requests that do not contain SDP

Discussion : The current specification assumes that all the INVITE requests sent or received by the UE will contain SDP. While that is the common case, and the forced case to mobile originated INVITEs, it may be possible than an Applicacion Server or any other entity acting as a third party call controller will send an INVITE that do not contain SDP. Handling of this INVITE is not specified in this specification. The issue affects also the generation of the inclusion of the P-Media-Authorization token in the SIP message. At the moment, the inclusion is dependent on the SIP message, rather than the presence of SDP sent to the UE that contains SDP with one or more m lines.

Could this be CN3 work? Looks as not since the assumption is also that SDP is always present. Will the UE ignore the authorization token if one is received in subsequent message (which is possible with this CR)? Clarification wanted on when to generate the auth. token,- the trigger to PCF. Alignment with text in 29.207 on CSCF. M-line with 0 capabilities meaning no media was requested was raised as an issue.

Conclusion : Revised to 2098

N1-022098: 24.229v520 CR#208r1, Ericsson, Type: CR, Title: Handling of INVITE requests that do not contain SDP

Discussion :

Conclusion : Agreed

N1-021934 : 24.229v520 CR#210, Lucent T., Type: CR, Title: P-Asserted-Identity header inserted by the UE

Discussion : Related to 2017. Additional text describing which identities the UE may include in the P-Preferred - Identity header. Rejected, but partly included in the revised CR N1-022100.

Conclusion : Rejected

N1-021937 : 24.229v520 CR#213, Lucent T., Type: CR, Title: Handling of MT call by the P-CSCF

Discussion : Minor text corrections. Restructuring of the whole text seems needed to be readable almost at first time.

Conclusion : Revised to 2101

N1-022101 : 24.229v520 CR#213r1, Lucent T., Type: CR, Title: Handling of MT call by the P-CSCF

Discussion : Should state storing of P-Called-Party-ID. The terminology should be cleaned up, and is in the open issue list. Store to be written in step 6 for P-Called-Party-ID header.

Conclusion : Revised to 2154

N1-022154 : 24.229v520 CR#213r2, Lucent T., Type: CR, Title: Handling of MT call by the P-CSCF

Discussion :

Conclusion : Agreed

N1-021938 : 24.229v520 CR#214, Lucent T., Type: CR, Title: P-CSCF handling of P-Asserted-Identity header

Discussion :

Conclusion : Not available.

N1-021942 : 24.229v520 CR#218, Lucent T., Type: CR, Title: Determination of MO or MT in I-CSCF

Discussion : The RFC3261 does not allow header parameter in SIP URL placed in the Record-Route and Route headers. Removal of header parameter as direction mechanissm in I-CSCF, and removal of some redundant text.

5.3.3.1 is covered also in 2080 and therefore removed. Header to be reinserted from second deletion.

Conclusion : Revised to 2102

N1-022102 : 24.229v520 CR#218r1, Lucent T., Type: CR, Title: Determination of MO or MT in I-CSCF

Discussion :

Conclusion : Agreed

N1-021952 : 24.228v520 CR#074, Ericsson, Type: CR, Title: General clean-up of section 17.3

Discussion : COMET method replaced by UPDATE method as per RFC 3312
Figure 17.3.4.1-1 updated to remove service control from responses.
Addition of the Max-Forwards header to all the requests as per RFC 3261
Corrected Record-Route and Route headers
Replaced Remote-Party-ID and Anonimity by P-Asserted-Identity and Privacy as per RFC 3323 and RFC 3325
Fixed the SDP offer/answers as per RFC 3312
Fixed the usage of Require and Supported as per RFC 3312
Fixed most of the Request-URI as per RFC 3261
Addition of the P-Called-PartyID header as per 3GPP TS 24.229

Why do we need the P-asserted-identity in responses as a general issue ? Earlier agreement.

Conclusion : Agreed

N1-021956 : 24.229v520 CR#175r1, Ericsson, Type: CR, Title: Clarifications of the binding and media grouping

Discussion : Reference to the internet drafts providing the detailed working assumption for the grouping of m-lines replace the reference of the stage-2 reference.
Various clarifications of the text describing binding.
It is clarified that only one media authorization token can be received from the P-CSCF.

Keep It Seperate is intended to be provided in a seperated CR in CN1#27. Disagreement with 1896 on different handling of authorization token. Are media authorization tokens the same as authorization tokens ?

Conclusion : Revised to 2103 and a new CR in 2104

N1-022103 : 24.229v520 CR#175r2, Ericsson, Type: CR, Title: Clarifications of the binding and media grouping

Discussion : For information.

Conclusion : Postponed

N1-022104 : 24.229v520 CR#240, Ericsson, Type: CR, Title: Clarifications to subclause 9.2.5

Discussion : Not presented.

Conclusion : Revised to 2137

N1-022137 : 24.229v520 CR#240r1, Ericsson, Type: CR, Title: Clarifications to subclause 9.2.5

Discussion : Comment on negative statements as 'shall not' should normally not be used. Could the last sentence be removed ? No,- it was inserted from NEC.

Conclusion : Agreed

N1-021957 : 24.229v520 CR#222, Ericsson, Type: CR, Title: Go related error codes in the UE

Discussion : Go related error indication from GGSN to UE is carried in the Protocol Configuration Options information element. The actual error codes and their usage need to be specified. It is proposed that the actual error codes are specified in the 29.207 and the 24.008 specify how these error codes are included in the PCO.

What follows the error code is not definition of the error but the procedure in the UE, and needs to be very visible. Wether the retransmission is 0, 1, 2 or 3 is implementation dependant and in some cases repetitions will not help, unless modifying the content before retry, eg. by terminating an m-line. Modifications to messages and consider how to treat the SM error codes.

Conclusion : Revised to 2105

N1-022105 : 24.229v520 CR#222r1, Ericsson, Type: CR, Title: Go related error codes in the UE

Discussion : Should the last modification on SDP be in clause 6 ? Not needed since it is already some text there.

Conclusion : Agreed

N1-021992 : 24.229v520 CR#179r1, Dynamicsoft, Type: CR, Title: Support of originating requests from Application Servers

Discussion : Modified clause 5.4.3.3 to clearly include the case that a terminating initial request may originate from an Application Server via the ISC interface as well as Mw and that this may also cause filter criteria to be evaluated. Also clarified barred public identity check in clause 5.4.3.3 and that a 404 Response should be sent consistent with TS 23.218. In Addition corrected incorrect reference to Remote-Party-ID header in clause 5.4.3.2.

Disagreement if From header should be checked for barred subscriber. Is it worthless ID information in From, and is not the bar check a stage 2 requirement. This issue is left for another CR and outside 1992. Does it matter were the request came from and what criteria for Mw or ISC should that decision be based on ? Delete references to Mw and ISC interfaces. AS on originating side when UE is reg.?

Conclusion : Revised to 2106

N1-022106 : 24.229v520 CR#179r2, Dynamicsoft, Type: CR, Title: Support of originating requests from Application Servers

Discussion :

Conclusion : Agreed

N1-022015 : 24.228v520 CR#080, Nokia, Type: CR, Title: Correction on P-Asserted-Id, P-Preferred-Id, Remote-Party-ID(chapter 7)

Discussion : Corrections according-to draft-ietf-asserted-identity-02.

Conclusion : Agreed

N1-022016 : 24.228v520 CR#081, Nokia, Type: CR, Title: Correction on P-Asserted-Id, P-Preferred-Id, Remote-Party-ID(chapter 10.2, 10.3)

Discussion :

Conclusion : Not available.

N1-022017 : 24.229v520 CR#239, Nokia, Type: CR, Title: Correction on P-Asserted-Id, P-Preferred-Id, Remote-Party-ID

Discussion : Related to 1934. Corrections according-to draft-ietf-asserted-identity-02. Incorporate parts of the 1934 into the revision. of this CR.

Conclusion : Revised to 2100

N1-022100 : 24.229v520 CR#239r1, Nokia, Type: CR, Title: Correction on P-Asserted-Id, P-Preferred-Id, Remote-Party-ID

Discussion :

Conclusion : Agreed

N1-022018 : 24.228v520 CR#087, Nokia, Type: CR, Title: Corrections on P-CSCF behaviour: handling the Record-Route, Route header fields

Discussion :

Conclusion : Not available.

N1-022019 : 24.229v520 CR#241, Nokia, Type: CR, Title: Corrections on P-CSCF behaviour: handling the Record-Route, Route header fields

Discussion : According to 24.229 and 24.228 the UE does not receive any Record-Route header fields in responses. If the UE follows RFC3261, it sends the subsequent requests to the Contact address of the other party instead of sending it to its outbound proxy (P-CSCF). Therefore it is proposed that P-CSCF address is provided to the UE in Record-Route header field in order to ensure that subsequent requests traverse P-CSCF.

What if the UE receives a Record Route with a SIP URL that needs to be resolved in a way to find out where to send it?

Conclusion : Postponed

N1-022020 : 24.229v520 CR#242, Nokia, Type: CR, Title: ENUM translation

Discussion : When ENUM translation fails it is not possible to evaluate initial filter criteria and visit one or more AS. The visit to an AS may be needed e.g. to modify the number. ENUM translation can be done after visiting application servers.

Conclusion : Agreed

N1-022026 : 24.229v520 CR#243, Nokia, Type: CR, Title: AS routing

Discussion : Clarification added on how to obtain the address of the S-CSCF into 5.7.3. The procedures in 5.7.3 should be applied for all initiated requests, not only INVITE.

The Sh interface is optional. If not provided the solution could be a registration to get to S-CSCF. The ASs acts only on behalf of users and not on its own. Is this controversial to what SA2 intends in Rel-5 ? The future solution to this for terminating AS as well, is maybe to have the AS interface to I-CSCF which is non-existing today. So the scope for this CR must be outlined. Textual changes needed were pointed out.

Conclusion : Revised to 2107

N1-022107 : 24.229v520 CR#243r1, Nokia, Type: CR, Title: AS routing

Discussion : MCC to use correct style at implementation. How to handle the case when the terminating user is not registered?

Conclusion : Agreed

N1-022027 : 24.229v520 CR#244, Nokia, Type: CR, Title: Corrections to 5112

Discussion : The first proposed change mandates the UE to send a REGISTER request protected whenever the IK is available. The second proposed change is made because the restriction is put on the wrong side of the protocol. It is not possible to mandate a UE to not support an extension defined in an RFC. If such a support would endanger IMS network, then procedures at the network side shall be defined instead.

It has to go through the first allocated P-CSCF when the IK is available. If the first change is reworded and agreed the change will go into 2087.

Conclusion : Rejected

N1-022028 : 24.229v520 CR#245, Nokia, Type: CR, Title: Warning header

Discussion : The inclusion of Warning headers in 403 responses is randomly specified. This CR includes in all necessary places the requirement to include a Warning header with the specific reason of rejection of a request.

The remaining editors note could be deleted as well. The warn text is mandatory, but can be empty with minimum quoted string inside. That explanatory text is redundant and can be deleted. Mandating the warn header with 399 seems not necessary since no autmatic reaction can be done in the UE when receiving this. Make it optional.

Conclusion : Revised to 2108

N1-022108 : 24.229v520 CR#245r1, Nokia, Type: CR, Title: Warning header

Discussion :

Conclusion : Agreed

7.8 IMS Call clearing

N1-021939 : 24.229v520 CR#215, Lucent T., Type: CR, Title: P-CSCF acting as a UA

Discussion : It is proposed to add information to clause 4,1 explaining that the P-CSCF acts as a UA when it performs a P-CSCF initiated dialog-release.

Conclusion : Agreed

7.9 IMS Abnormal cases and error handling

None.

7.10 Other IMS issues

N1-021894 : Nortel, Type: DISCUSSION, Title: Handling of P-Media-Authorization header

Discussion : It is syntactically valid for the P-Media-Authorization header to contain a Policy Element of a different type or more than one Policy Element. The handling of this in the UE is presently not described in the Rel-5 specifications. This needs to be corrected.

Which scenario is expected to have more than one authorization for a session ? None could be identified now. The only reason is the possibility to receive it according to the draft-ietf-rap-rsvp-authsession. It is possible to encode multiple media authorization tokens in policy element. Additionally it is possible to encode other types of elements in policy element. However this has to be carried in TFT IE which is originally intended for filter handling, and therefore has limited capacity to include multipel authorization tokens. 29.207 covers the case with multipel tokens,- forwards them to the GGSN. Pass all transparently is also what 24.229 does according to the pending RFC. In the secondary PDP activation the TFT can not have the maximum limitation of 253 octets. It is expected that a authorization token will be of the size 40 octets. Even if the UE passes on untouched the tokens, will it be able to handle the services expected to benefit from more than one token. The network should not send more than what all UEs could send back without the UE returning part of a token. The TFT can however not be predicted since the user can fill up the TFT IE with only filter information. But on the contrary the TFT could contain only authorization token(s). No usage for repeated authorization tokens has been defined in 24.229, but 24.008 and 29.207 suggest that the UE should send to GGSN all elements that were received in 183. This does not include any processing of the contents at the UE. Currently no usage for repeated authorization tokens has been defined in Rel-5.

Conclusion : Noted

N1-021895 : 24.008v550 CR#680r1, Nortel, Type: CR, Title: Handling of P-Media-Authorization header

Discussion : The Authorisation Token field in the TFT is generalised to be any Policy Element. Multiple Policy Elements can be associated with a single list of Flow Ids.

N1-021895 and N1-021956 disagree with each other in the handling of authorization token. How is the different authorization types identified? Encoded according to the draft. It was argued that it was not good to have the UE look into the strings to put each token in containers inside TFT.

Conclusion : Revised to 2112

N1-022112 : 24.008v550 CR#680r2, Nortel, Type: CR, Title: Handling of P-Media-Authorization header

Discussion : Each element will be inserted with its respective flow identifier directly following the token. Is this consistent with the RFC ? If the UE has 2 sessions it will receive 2 tokens with respective flow identifier in Rel-5. What is the UE supposed to do if it receives multiple authorization tokens? What and how to prepare for future was requested to be further study.

Conclusion : Postponed

N1-021896 : 24.229v520 CR#190r1, Nortel, Type: CR, Title: Handling of P-Media-Authorization header

Discussion : According to the UE transparent handling agreed during the discussion, only the last change was needed.

Conclusion : Revised to 2113

N1-022113 : 24.229v520 CR#190r2, Nortel, Type: CR, Title: Handling of P-Media-Authorization header

Discussion :

Conclusion : Withdrawn

N1-021897 : 29.207v510, Nortel, Type: INFORMATION, Title: Handling of P-Media-Authorization header

Discussion : Not presented but left for people to look at and discuss it in CN3.

Conclusion : Noted

N1-021905 : 24.229v520 CR#200, Ericsson, Type: CR, Title: Fixing a MESSAGE related typo

Discussion :

Conclusion : Not available.

N1-021909 : 24.229v520 CR#201, Vodafone, Type: CR, Title: Minor correction to access-network-info header

Discussion :

Conclusion : Not available.

N1-021917 : 24.229v520 CR#144r1, 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.

Some rewording to the case of non existence of RFCs is that the functionalitycan be there but should not rely on it.

Conclusion : Revised to 2114

N1-022114 : 24.229v520 CR#144r2, Lucent T., Type: CR, Title: Identification of supported IETF drafts within this release

Discussion : Absence of a referenced IETF specifications to be supported end-to-end was remarked on. Plenary issue.

The priniciple of possible support of non-referenced RFCs in the UE and other elements is something that 3GPP can not and should not block. However, at least for UE this leads to cherry picking which needs to be revisited at plenary level. The approach to cherry picking in cellular protocols and IP protocols may be different.

Conclusion : Agreed

N1-021919 : 24.229v520 CR#202, Lucent T., Type: CR, Title: Addition of clause 6 though clause 9 references to conformance clause

Discussion : Clause 4.1 is meant to be the main integrating clause that describes how the subsequent clauses (5, 6, 8 etc) must be implemented by each of the remaining entities. Current references are only to clause 5 (in addition to Annex A).

Conclusion : Agreed

N1-021920 : 24.229v520 CR#203, Lucent T., Type: CR, Title: URL and address assignments

Discussion : Recent CRs against clause 4.2 weakened the precision of this clause by introducing the word "based on". Attention is drawn to the word "preconditions" at the head of the item list, and as such the clause is setting the scene for procedures specified elsewhere (e.g. clause 9). It is not meant to contain procedures in its own right, which some of the changes imply.

Change 'allocated' with 'assign'. Discussion wether 23.228 reference was appropriate or not. Reference clause 9, 24.229.

Conclusion : Revised to 2115

N1-022115 : 24.229v520 CR#203r1, Lucent T., Type: CR, Title: URL and address assignments

Discussion :

Conclusion : Agreed

N1-021930 : 24.229v520 CR#206, Ericsson, Type: CR, Title: Alignment of the SDP attributes related to QoS integration with IETF

Discussion : The Annex A.3 defines the SDP profile. The tables still refers to an old syntax of RFC 3312, when it was an internet draft.

Conclusion : Agreed

N1-021931 : 24.229v520 CR#207, Ericsson, Type: CR, Title: Update of the 3GPP-generated SIP P- headers document references

Discussion : The 3GPP-generated SIP P- headers were originally specified in independent documents. However, all these documents have been merged into a single Internet Draft that defines all the 3GPP-generated SIP P- headers.

Conclusion : Revised to2116

N1-022116 : 24.229v520 CR#207r1, Ericsson, Type: CR, Title: Update of the 3GPP-generated SIP P- headers document references

Discussion :

Conclusion : Agreed

N1-021944 : 24.229v520 CR#220, Lucent T., Type: CR, Title: Definition of the NAI and RTCP abbreviations

Discussion : Add the abbreviation " NAI and RTCP " to the abbreviation section of 24.229.

Conclusion Agreed:

N1-021953 : 24.229v520 CR#235, Nokia, Type: CR, Title: Indication of successful establishment of Dedicated Signalling PDP context to the UE

Discussion : Not presented.

Conclusion : Revised to 2088

N1-022088 : 24.229v520 CR#235r1, Nokia, Type: CR, Title: Indication of successful establishment of Dedicated Signalling PDP context to the UE

Discussion : CN1#25 agreed a CR to 24.008 (N1-021704) to solve the problem when the signalling flag is not transferred in Secondary PDP context activation by a Rel-4 SGSN. This decision should be reflected in 24.229 – GPRS procedures in the UE – in order to keep both specifications consistent with each other.

Conclusion : Revised to 2129

N1-022129 : 24.229v520 CR#235r2, Nokia, Type: CR, Title: Indication of successful establishment of Dedicated Signalling PDP context to the UE

Discussion :

Conclusion : Agreed

N1-021958 : Nokia, Type: DISCUSSION, Title: Emergency service correction

Discussion : In Rel-5, IMS does not support emergency sessions this implies that a CS capable UE should use CS domain for emergency sessions. However, there will be cases when the Rel-5 UE may not recognise an emergency session attempt, therefore there is a need for an error handling mechanism in the network in order to indicate to the UE to re-attempt the call in CS domain. This mechanism is already part of the specifications, but it may not work for the case when the user is roaming in a VPLMN with local emergency numbers not in use in HPLMN and for the case when the GGSN is in HPLMN. UE adds the current location information (PLMN ID) to every INVITE message. P-CSCF compares the received PLMN ID with its own, if they are not identical then it will inspect the configurable list (roaming partners) with the dialled number. If a match is found then the P-CSCF shall answer the INVITE request with a 380 Alternative Service response. N1-021906, N1-021907, N1-021908, N1-021958 and N1-021959 are related.

Conclusion : Noted

N1-021959 : 24.229v520 CR#234, Nokia, Type: CR, Title: Emergency service correction

Discussion : The UE inserts MCC+ MNC to every INVITE in cell-id P-header. This provides necessary information for the P-CSF to separate emergency service numbers from others. N1-021906, N1-021907, N1-021908, N1-021958 and N1-021959 are related.

Ambigous numbers between service numbers and emergency numbers are not considered and seems not to be solved via a proper MMI solution. The local emergency number (based on MCC+MNC) will override any possible service number since there is no easy way to ask for user intervention. A critical issue between the option in 1908 and this proposal is that here Rel-4 is not changed and that the timeperiod for the operator providing the emergency list is shortened. But this proposal can not be beneficial for the CS domain provisions as well.
Both methods are access dependent since this one relies on GSM encoding of MCC+MNC while the one documented in N1-021908 depends on the access network providing the emergency numbers.

Conclusion : Postponed

N1-021960 : 24.008v550 CR#701, Nortel, Type: CR, Title: Flow Identifier Encoding

Discussion : Not presented.

Conclusion : Revised to 2089

N1-022089 : 24.008v550 CR#701r1, Nortel, Type: CR, Title: Flow Identifier Encoding

Discussion : The specifications do not specify how the UE encodes the Flow Identifier in the TFT IE. 24.008 indicates the parameter contents field of the Flow Identifier contains the binary representation of a flow identifier as specified in 24.229. 24.229 refers to 29.207 for a detailed description of how the flow identifiers are constructed. 29.207 states that the flow identifier is a 2-tuple (<Media component number, IP flow number>) where both are numbered starting from 1. Since the flow identifier is 2-tuple, it is proposed that each tuple be encoded as two octets.

Notation of 16 as bit number is not used earlier, and clarification to the text is needed. 'Should' to 'shall'?

Conclusion : Revised to 2117

N1-022117 : 24.008v550 CR#701r2, Nortel, Type: CR, Title: Flow Identifier Encoding

Discussion : Why is the sequence different to earlier practice? Taken from related spec. ? Tick also the CN as affected. This CR was first agreed but then reopened and revised to handle the octetnumbering.

Conclusion : Revised to 2159

N1-022159 : 24.008v550 CR#701r3, Nortel, Type: CR, Title: Flow Identifier Encoding

Discussion : Bitorder is reversed.

Conclusion : Agreed

N1-021967 : 24.228v520 CR#075, AWS, Type: CR, Title: Correction to 24.228 flows - sections 10.4 and 10.5

Discussion : Updated the flows with P-Asserted-Identity and Privacy headers and added P-Access-Network-Info header. Removed some old Editor's notes. Some modifications needed.

Conclusion : Revised to 2118

N1-022118 : 24.228v520 CR#075r1, AWS, Type: CR, Title: Correction to 24.228 flows - sections 10.4 and 10.5

Discussion :

Conclusion : Agreed

N1-021968 : 24.228v520 CR#076, AWS, Type: CR, Title: Correction to 24.228 flows- section 17.5

Discussion : Updated the flows with P-Asserted-Identity and Privacy headers and added P-Access-Network-Info header. Corrected one error in figure 17.5.2-1 (replaced "COMET" with "UPDATE"). Some modifications needed.

Conclusion : Revised to 2119

N1-022119 : 24.228v520 CR#076r1, AWS, Type: CR, Title: Correction to 24.228 flows- section 17.5

Discussion :

Conclusion : Agreed

N1-021971 : 24.229v520 CR#223, NEC, Type: CR, Title: Clarifications on CCF/ECF addresses

Discussion : In subclause.4.5.5 and 7.2.5, it is added that there is a case that CCF and/or ECF addresses are allocated as locally preconfigured addresses.

Cx interface is mandatory. Improvements proposed to the phrasing. What is to be achieved with this preconfiguration? By clarification that this is in S-CSCF.

Conclusion : Revised to 2120

N1-022120 : 24.229v520 CR#223r1, NEC, Type: CR, Title: Clarifications on CCF/ECF addresses

Discussion :

Conclusion : Agreed

N1-021972 : 24.229v520 CR#224, NEC, Type: CR, Title: Clarifications on AS role

Discussion : It is changed so that AS performing 3rd party control becomes that AS shall provide B2BUA . Same in 5.7.5.

Conclusion : Rejected

N1-021973 : 24.229v520 CR#225, NEC, Type: CR, Title: Clarifications on dedicated PDP Context for IMS signaling

Discussion : In the current 9.2., there is not clear enough description on the procedures for set up of IMS signaling.
1) Apart from DHCP servers and DNS servers, static packet filters are used for P-CSCF servers as described in 29.061 so that the current description should be changed.
2) For general purpose PDP context, there is no description that binding information shall be included in the PDP context request.
3) It should be clarified that the inclusion of both binding information and IM CN Subsytem Signalling Flag in PDP Context Request message is not permitted.
4) There is no clear description that when re-establishment of PDP-context has failed the UE shall deactivate all PDP contexts related to the IMS session by using indication of PDP Context Release procedure.
5) There is no clear description that one set of binding information is carried within a PDP context in this version of the specification.

The binding information is not available at that time described now, so the existing text is correct. Objections were raised on several modifications and the agreeable parts will appear in a revised version.

Conclusion : Revised to 2121

N1-022121 : 24.229v520 CR#225r1, NEC, Type: CR, Title: Clarifications on dedicated PDP Context for IMS signaling

Discussion : Wrong procedure name. Again the revisions shall not be done on top of revisions. Use session or dialog.

Conclusion : Revised to 2156

N1-022156 : 24.229v520 CR#225r2, NEC, Type: CR, Title: Clarifications on dedicated PDP Context for IMS signaling

Discussion :

Conclusion : Agreed

N1-021974 : 24.229v520 CR#226, NEC, Type: CR, Title: Clarifications on dedicated PDP Context for charging requirement

Discussion : In subclause.9.1, the related sentences are added for charging requirement. New subclause 9.3 is introduced for charging requirement for the dedicated PDP context for IMS signaling use.

No need were seen for this sort of CR. This charging belongs to GGSN and not to SIP entities.

Conclusion : Rejected

N1-021975 : 24.229v520 CR#227, NEC, Type: CR, Title: Clarifications of SDP for charging requirement

Discussion : It is added that SDP data shall be stored locally for online/offline charging purposes as described in 32.225.

Which of up to 6 SDPs need to be stored, and is it the initial that is valid for charging ? Await SA5 info via LS ? Should be specified as what the charging is based on, and not what is to be stored. 2122 LS is related

Conclusion : Postponed

N1-021981 : 24.229v520 CR#228, NEC, Type: CR, Title: Clarifications on the use of charging correlation information

Discussion : In 4.5, restructuring is proposed from the point of use and generation of charging correlation information. Also, description of separation of P-CSCF/PCF is alligned with 29.207/29.208.

Same paragraphs are affected as in 2025. The P-CSCF/PCF split was thought to be Rel-6 issue. ICID is not related to PDP context but to the session.

Conclusion : Revised to 2123

N1-022123 : 24.229v520 CR#228r1, NEC, Type: CR, Title: Clarifications on the use of charging correlation information

Discussion : The ICID can not be related to a PDP context.

Conclusion : Revised to 2157

N1-022157 : 24.229v520 CR#228r2, NEC, Type: CR, Title: Clarifications on the use of charging correlation information

Discussion :

Conclusion : Agreed

N1-021982 : 24.229v520 CR#229, NEC, Type: CR, Title: Clarifications on MESSAGE for charging requirement

Discussion : It is added that the content data carried in the body of MESSAGE shall be charged based on the amount of the data. Thus, the amount of content data in MESSAGE method shall be stored for online/offline charging purposes.

No need for this CR was seen by many. Storing is optional and not part of SIP protocol, and not if and how to charge.

Conclusion : Rejected

N1-021983 : 24.229v520 CR#230, NEC, Type: CR, Title: Clarifications on AS procedures for charging requirement

Discussion : In subclause.5.4.17, 5.4.3.2 and 5.4.3.3, it is clarified that S-CSCF extracts necessary information for CDR when S-CSCF contacts ASs.

Same problem as previously with mandating storing of possible charging related data, thus limiting the implementation options. If 32.225 is ambiguous as stated on the cover page then the right way to deal with the problem is to correct that instead of adding more charging related requirements to protocol specification 24.229. How can S-CSCF know the ASs contacted behind a AS Gateway?

Conclusion : Rejected

N1-021984 : 24.229v520 CR#231, NEC, Type: CR, Title: Clarifications on UUS data for charging requirement

Discussion :

Conclusion : Withdrawn

N1-021986 : 24.228v520 CR#078, Ericsson, Type: CR, Title: General update of section 5.3

Discussion : The terminology in section 5.3 used to refer to the term "QoS assured" mode. This term was defined in an old internet draft. But when the draft progressed to RFC 3312, that term has been deprecated.

Conclusion : Agreed

N1-021988 : Siemens, Type: DISCUSSION, Title: Discussion Paper on re-synchronisation SIP compression

Discussion : At previous meetings a few contributions (N1-021403 from Nokia nd N1-021700 from dynamicsoft) were provided which discussed the issue with synchronisation failures of SigComp. In N1-021403 the solution proposed was to send a standalone SIGcomp RESET message in the event of a decompression failure. In N1-021700 dynamicsoft proposed to send a NACK message back to the compressor when the decompressor experiences a failure. In this document, a very simple mechanism that uses a mechanism already provided by basic SigComp is discussed. SigComp allows to adjust the state memory size that may be used to store decompressed state at the decompressor at any time. The decompressor just indicates the available state memory via its co-located compressor to the remote compressor. When the decompressor experiences a decompression failure and thus needs to re-synchronise with the compressor, it could just set the available state memory size to zero. Thus, the compressor would know that it can not compress any messages based on previously sent messages and would discard any stored state.

N1-022043 are related. No IETF draft is needed, but since the failure case is general for IETF, it was requested that we should have an IETF solution to this for 3GPP. Therefore it was asked that also Siemens submit a draft to the ROCH group, as well as dynamicsoft with their NACK solution. The IPR battle should then also be taken in the IETF. The issue could await the CN1#27 meeting, and therefore no decisions beeing made in this CN1#26 meeting. Then the Siemens CR can be evaluated as a solution for Rel-5 without any IETF involvement,- however remembering that this would be a 3GPP solution. Related CR in N1-021989.

Conclusion : Noted

N1-021989 : 24.229v520 CR#233, Siemens, Type: CR, Title: CR on re-syncronisation of SIP compressor/de-compressor

Discussion :

Conclusion : Withdrawn

N1-021993 : Dynamicsoft, Type: DISCUSSION, Title: Analysis of Issues identifies in IETF liaison

Discussion : This is discussed together with 2014.

The official resume of the discussion is summarized in the LS out in Tdoc N1-022160

Conclusion : Noted and LS OUT to SA1 and SA2 in N1-022127 by the appointed drafting group under Andrew A. and Krizstian.

N1-021998 : 24.229v520 CR#237, Siemens, Type: CR, Title: P-CSCF sending 100 (Trying) Response for reINVITE

Discussion : Adds sending of 100 (Trying) response to P-CSCF for Re-INVITE (Ie. at already existing call-ID)

Conclusion : Agreed

N1-021999 : 24.229v520 CR#238, Siemens, Type: CR, Title: P-CSCF shall not save Record-Route of refreshing requests

Discussion : 24.229 currently states that the P-CSCF shall store the Record-Route headers of responses to refreshing requests. This is not in-line with the SIP-RFC which does not allow that the route of an ongoing dialog is changed by a refreshing request.

Consistent wording with bullets below please. Plus some more details. Align with 2033 wordings.

Conclusion : Revised to 2124

N1-022124 : 24.229v520 CR#238r1, Siemens, Type: CR, Title: P-CSCF shall not save Record-Route of refreshing requests

Discussion :

Conclusion : Agreed

N1-022014 : Nokia, Type: DISCUSSION, Title: Technical analysis on IETF's concerns on SIP in IMS Release 5 in "Liaison Statement on Interoperability Issues and SIP in IMS"

Discussion : This is discussed together with 1993. Proxies can not modify any bodies. To and From headers problem could be solved in CN1 via notes in the text,- guiding that it is end to end information and not a regulator issue. And if a user wants privacy these two headers should be carefully used. BYE from P-CSCF is secure within IMS and should be kept, but we need that an internett user can be secured as a 'non-attacker'. Solution to this needs to be handled through SA3 for external interoperability, which is not a Rel-5 issue. What timeframe will S/MIME be used in internet,- not in Rel-5 deployment time. Denial of S/MIME in our networks is fully acceptable, and should not be of focus in looking for alignments on the identified problemareas. Editing SDP is due to operator control on codecs and other solutions to achieve this could be tried. P-CSCF header stripping needs to be kept with a LS to SA2 to identify which requirements can be loosened up. P-CSCF checking the idendities is assumed to be kept, since the P-headers are propriatry and should not violate IETF drafts. Hiding is SA1/2 issues and will be in an LS were CN1 asks for guidance,- but no violations is identified in the hiding area. Changing hiding in Rel-6 was not seen valuable.

The official resume of the discussion is summarized in the LS out in Tdoc N1-022160.

Conclusion : Noted and LS OUT to SA1 and SA2 in N1-022127 by the appointed drafting group under Andrew A. and Krizstian.

N1-022033 : 24.229v520 CR#247, Lucent T., Type: CR, Title: P-CSCF procedure tidyup

Discussion : Conversion of sentences from passive to active to improve clarity. Restructure of forward request/response text in 5.2.6.3 and 5.2.6.4.

Actions put into brackets was agreed to be seperated with comma only.

Conclusion : Revised to 2125

N1-022125 : 24.229v520 CR#247r1, Lucent T., Type: CR, Title: P-CSCF procedure tidyup

Discussion :

Conclusion : Agreed

N1-022034 : 24.229v520 CR#248, Lucent T., Type: CR, Title: UE procedure tidyup

Discussion : Conversion of sentences from passive to active to improve clarity.

In 5.1.1.4 the same change to new phrase on IK as in 1933 is needed.

Conclusion : Revised to 2082

N1-022082 : 24.229v520 CR#248r1, Lucent T., Type: CR, Title: UE procedure tidyup

Discussion :

Conclusion : Agreed

N1-022035 : 24.229v520 CR#249, Lucent T., Type: CR, Title: MESSAGE corrections part 1

Discussion : It is considered that a number of the changes when introducing MESSAGE were made in such a manner to cause confusion on the support of other capabilities that are only specified in Annex A. Additionally, material should have been included in Annex to support this method and will be provided later.

The deleted text helps the reader in understanding. Caller Preferences need to be dealt with. How would the transport for more than 1300 bytes be incorporated in the tables in the CR part 2 (the tables). Should the transport guidance to avoid congestion be applied in general to messages ?

Conclusion : Revised to 2126

N1-022126 : 24.229v520 CR#249r1, Lucent T., Type: CR, Title: MESSAGE corrections part 1

Discussion : Not available.

Conclusion : Withdrawn

N1-022036 : 24.229v520 CR#250, Lucent T., Type: CR, Title: MESSAGE corrections part 2

Discussion :

Conclusion : Not available.

N1-022043 : Dynamicsoft, Type: DISCUSSION, Title: SIP compression resynchronisation

Discussion : Related with 1988 and 1999. The solution to be proposed in IETF by dynamicsoft is that when the decompressor experiences a failure it send a NACK message back to the compressor containing an error code identify the nature of the error along with the compressed message that caused the problem and possibly some additional error related information such as State ID etc. The Compressor can then based on the error code, additional information and the message that caused the problem determine if and when to resynchronise.

Will NACK become a SigComp message? The timing to have this IETF document ready/stable was a critical issue for Rel-5, and could be evaluated in CN1#27 November meeting.

Conclusion : Noted

N1-022128 : CN1 chairman/Hannu, Type: DISCUSSION, Title: CN1 comments on the IETF LS

Discussion : The document is a draft summary of the discussion on incoming LS from IETF, and is an extension of the Nokia discussion document on the issue. This document was not reviewed during the meeting, and conclusions regarding the discussion on alignment with IETF LS and contributions can be found in Tdoc N1-022160 which is the LS to be sent from CN1#26.

Conclusion : Noted

7.11 Minor IMS issues

N1-021902 : 24.229v520 CR#197, Ericsson, Type: CR, Title: Wrong references in 4.1

Discussion :

Conclusion : Agreed

N1-021914 : 24.228v520 CR#048r2, Lucent T., Type: CR, Title: Addition of tokenization to key

Discussion : Some editorials as the correct spelling of ‘I-CSCF’ and ‘tokenised’.

Conclusion : Revised to 2145

N1-022145 : 24.228v520 CR#048r3, Lucent T., Type: CR, Title: Addition of tokenization to key

Discussion :

Conclusion : Agreed

N1-021915 : 24.228v520 CR#047r2, Lucent T., Type: CR, Title: Relationship of Application Servers to flows in 24.228

Discussion :

Conclusion : Agreed

N1-021916 : 24.228v520 CR#054r2, Lucent T., Type: CR, Title: Removal of editor's notes - clause 1 through 4 and other minor changes

Discussion : IETF RFC instead of TFC.

Conclusion : Revised to 2146

N1-022146 : 24.228v520 CR#054r3, Lucent T., Type: CR, Title: Removal of editor's notes - clause 1 through 4 and other minor changes

Discussion :

Conclusion : Agreed

N1-021918 : 24.229v520 CR#161r1, Lucent T., Type: CR, Title: Clarifications and editorials to SIP profile

Discussion : Not presented.

Conclusion : Revised to 2056

N1-022056 : 24.229v520 CR#161r2, Lucent T., Type: CR, Title: Clarifications and editorials to SIP profile

Discussion :

Conclusion : Agreed

N1-022021 : 24.228v520 CR#082, Nokia, Type: CR, Title: References corrections

Discussion :

Conclusion : Not available.

N1-022022 : 24.228v520 CR#083, Nokia, Type: CR, Title: Clause 17.6 Error handling

Discussion :

Conclusion : Not available.

N1-022023 : 24.228v520 CR#084, Nokia, Type: CR, Title: Editorial on To and From headers

Discussion :

Conclusion : Not available.

N1-022025 : 24.228v520 CR#086, Nokia, Type: CR, Title: Editor's notes in 24.228

Discussion :

Conclusion : Not available.

N1-022032 : 24.229v520 CR#246, Lucent T., Type: CR, Title: S-CSCF procedure tidyup

Discussion : Use 'will' instead of 'shall', or 'are treated'.

Conclusion : Revised to 2147

N1-022147 : 24.229v520 CR#246r1, Lucent T., Type: CR, Title: S-CSCF procedure tidyup

Discussion :

Conclusion : Agreed

7.12 IMS: 23.218

N1-021969 : 23.218v520 CR#029, NEC, Type: CR, Title: Clarification on CCF/ECF addresses

Discussion : In 6.8. and 9.4.5, it is added that there is a case that CCF and/or ECF addresses are allocated as locally preconfigured addresses.

Not say anything of Cx interface, and align the wording with the other CR on this topic. Or we do not need this CR since in Rel-5 the AS can only do request for registered users and thus obtain the CCF/ECF addresses. Backup solution.

Conclusion : Revised to 2142

N1-022142 : 23.218v520 CR#029r1, NEC, Type: CR, Title: Clarification on CCF/ECF addresses

Discussion :

Conclusion : Agreed

N1-021970 : 23.218v520 CR#030, NEC, Type: CR, Title: Clarification on MRFP reference point

Discussion : In the current clause 8 (Functional requirement for MRFP), MRFP –bearer reference point is missing as opposed to 23.228. Also the descriptions of MRFP-MRFC(Mp) interface and MRFP-bearer (Mb) interface are missing. On the other hand, the procedure description using Mp interface is described in Annex B 2.

These were deleted earlier to reduce the scope of the document without changing the architecture. A note to say this?

Conclusion : Revised to 2143

N1-022143 : 23.218v520 CR#030r1, NEC, Type: CR, Title: Clarification on MRFP reference point

Discussion : Only one specification, so the s must be deleted and present added. Not diagram but figure.

Conclusion : Postponed

N1-021991 : 23.218v520 CR#031, Dynamicsoft, Type: CR, Title: Support of originating requests from Application Servers

Discussion : Modified clauses 6.5.1 and 6.5.2 to clarify that a terminating initial request may originate from an Application Server via the ISC interface and that this may also cause filter criteria to be evaluated.

Editorials.

Conclusion : Revised to 2144

N1-022144 : 23.218v520 CR#031r1, Dynamicsoft, Type: CR, Title: Support of originating requests from Application Servers

Discussion :

Conclusion : Agreed

8 Release 6 work items

8.1 Presence

N1-021913 : Lucent T., Type: INFORMATION, Title: Summary of current IETF documents on SIMPLE

Discussion : Not too much change in status since last overview of SIMPLE drafts.

Conclusion : Noted

N1-021921 : Lucent T., Type: TR v010, Title: Draft 3GPP TR 24.841 "Presence based on SIP; Functional models, flows and protocol details"

Discussion : Missing a diagram in Visio, which maybe can be taken from 2005 if agreed. Visio shall be used in this TR. The specification database title now is written in 1867 and will be used. A new version will be updated after every CN1 WG meeting if changes are agreed, since this TR is fully under CN1 control.

Conclusion : Noted

N1-021922 : TR24.841v010, Lucent T., Type: CR, Title: CR to 24,841: Inclusion of material to Presence TR lost in replacement at last meeting

Discussion : The proposed reintroduction was much agreed but the editors notes first sentence about rapid change was changed. Proposal 3 and 4 was reworded slightly,- 'intended' instead of 'proposed', and 'service' instead of 'operation'.

Conclusion : Revised to 2130

N1-022130 : TR24.841v010, Lucent T., Type: CR, Title: CR to 24,841: Inclusion of material to Presence TR lost in replacement at last meeting

Discussion :

Conclusion : Agreed

N1-021923 : TR24.841v010, Lucent T., Type: CR, Title: CR to 24,841: Handling of references and Bibiography

Discussion : The current contents of clause 2 (References) do not reflect the contents of the TR 24.841. It appears that the intent of the author of the contribution who created this list at the last meeting was to create an essential reading list, or Bibliography, for the presence service. The proposal in this contribution is therefore to transfer those references to a new Annex, entitled Bibliography, with appropriate introductory text.

This unreferenced list is not a dependency list, which however needs to be reflected in the WID whenever changes are identified. The rapporteur corrects the numbering of the bibliography reference list, and unreferenced but useful links to RFCs are moved to bibliography annex. However this list could serve as the initial RFC dependency list.

Conclusion : Agreed

N1-021924 : TR24.841v010, Lucent T., Type: CR, Title: CR to 24,841:Revisions to subscription flows in clause 6.1.2.1

Discussion :

Conclusion : Not available.

N1-022004 : TR24.841v010, Nokia, Type: CR, Title: CR to 3GPP TR 24.841 V0.1.0: Additions to the Presence TR (24.229 part)

Discussion : Related to 2038. The details of the Presence Server's composition policy was thought somewhat unstable. Merge of this CR and the one in 2038 was proposed and the new doc is 2131.

Conclusion : Revised to 2131

N1-022005 : TR24.841v010, Nokia, Type: CR, Title: CR to 3GPP TR 24.841 V0.1.0: Corrections on flow 6.1.2.1 (24.229 part)

Discussion : The following document proposes to enhance the first version of the flow 6.1.2.1. The major corrections are the following:
- Corrected drawing based on the changes
- changes based on draft-ietf-sip-asserted-identity-02
- removal of unnecessary 100 Trying responses
- authorization text corrections
- changes on tuple-IDs
- removal of P-Called-Party-ID

The tuple was controversial. And the Tel URL replaced with SIP was discussed. Delete brackets on Route header.

Conclusion : Revised to 2132

N1-022132 : TR24.841v010, Nokia, Type: CR, Title: CR to 3GPP TR 24.841 V0.1.0: Corrections on flow 6.1.2.1 (24.229 part)

Discussion :

Conclusion : Agreed

N1-022006 : TR24.841v010, Nokia, Type: CR, Title: CR to 3GPP TR 24.841 V0.1.0: Proposal for flow 6.1.3.1

Discussion :

Conclusion : Revised to 2133

N1-022133 : TR24.841v010, Nokia, Type: CR, Title: CR to 3GPP TR 24.841 V0.1.0: Proposal for flow 6.1.3.1

Discussion : The only change since the previous version is that instead of referencing to similar call flow the redundant call flow is deleted.

Conclusion : Agreed

N1-022007 : TR24.841v010, Nokia, Type: CR, Title: CR to 3GPP TR 24.841 V0.1.0: Proposal for flow 6.1.4.1

Discussion : This contribution contains a proposal for flow "6.1.4 IMS watcher subscribing to presence list, UE in visited network".

The flow is more complex than the second flow shows, but could be kept as a reminder for the time beeing to possibly work more on together with SA2 etc. Use boxes to reference flows. PLS and PS are different entities to be indicated.

Conclusion : Revised to 2134

N1-022134 : TR24.841v010, Nokia, Type: CR, Title: CR to 3GPP TR 24.841 V0.1.0: Proposal for flow 6.1.4.1

Discussion :

Conclusion : Agreed

N1-022008 : TR24.841v010, Nokia, Type: CR, Title: CR to 3GPP TR 24.841 V0.1.0: Proposal for flow 6.1.5.1

Discussion : This contribution contains a proposal for flow "6.1.5 Presence list server subscribing to IMS presentities in different network".

Some changes as in 2007 is needed. The PLS server do not proxy anything so change to flow 1 text is needed.

Conclusion : Revised to 2135

N1-022135 : TR24.841v010, Nokia, Type: CR, Title: CR to 3GPP TR 24.841 V0.1.0: Proposal for flow 6.1.5.1

Discussion :

Conclusion : Agreed

N1-022009 : TR24.841v010, Nokia, Type: CR, Title: CR to 3GPP TR 24.841 V0.1.0: Proposal for flow 6.2.2.1

Discussion : This contribution contains a proposal for flow "6.2.2 Updating of presence information by IMS UE".

Again certain tuples of the presence information was raised as a problem, but again no indication of how this is done is staed in this CR. And the issue is in stage 2 requirement. UE is not part of IMS but accessing it. The agreement is to introduce an editors note about tuples. Visio problem. Elypsis?

Conclusion : Revised to 2136

N1-022136 : TR24.841v010, Nokia, Type: CR, Title: CR to 3GPP TR 24.841 V0.1.0: Proposal for flow 6.2.2.1

Discussion : Agreed that menitioning the possibility to publish partial presence information is not appropriate in the call flow, even though this is required in stage 2.

Conclusion : Agreed

N1-022010 : TR24.841v010, Nokia, Type: CR, Title: CR to 3GPP TR 24.841 V0.1.0: Proposal for flow 6.2.3.1

Discussion : This contribution contains a proposal for flow "6.2.3 Updating of presence information by network-based presence agents".

Much of same changes as in earlier CRs above. To get the filter criteria working the server should not be the source, but the user. The problem is then how to authorize? Trusted out of the security association.

Conclusion : Revised to 2138

N1-022138 : TR24.841v010, Nokia, Type: CR, Title: CR to 3GPP TR 24.841 V0.1.0: Proposal for flow 6.2.3.1

Discussion : First agreed, but a reopening of the document requested by dynamicsoft resulted in deleting the tuple text?

Conclusion : Revised to 2161

N1-022161 : TR24.841v010, Nokia, Type: CR, Title: CR to 3GPP TR 24.841 V0.1.0: Proposal for flow 6.2.3.1

Discussion : Tuples or not? Not.

Conclusion : Agreed

N1-022011 : TR24.841v010, Nokia, Type: CR, Title: CR to 3GPP TR 24.841 V0.1.0: Corrections on flow 6.3.2.1

Discussion : The following document proposes to enhance the first version of the flow "6.3.2 IMS based watcher and presentity in the different networks, UE in the home network".

Correct the bracket problem in Route and Record-Route headers.

Conclusion : Revised to 2139

N1-022139 : TR24.841v010, Nokia, Type: CR, Title: CR to 3GPP TR 24.841 V0.1.0: Corrections on flow 6.3.2.1

Discussion :

Conclusion : Agreed

N1-022012 : TR24.841v010, Nokia, Type: CR, Title: CR to 3GPP TR 24.841 V0.1.0: Proposal for flow 6.3.3.1

Discussion : This contribution contains a proposal for flow "6.3.3 Notification to presence list in a different network and notification to IMS watcher in the visited network". The normal corrections,- brackets and PLS term.

Conclusion : Revised to 2140

N1-022140 : TR24.841v010, Nokia, Type: CR, Title: CR to 3GPP TR 24.841 V0.1.0: Proposal for flow 6.3.3.1

Discussion :

Conclusion : Agreed

N1-022013 : TR24.841v010, Nokia, Type: CR, Title: CR to 3GPP TR 24.841 V0.1.0: Proposal for flow 6.4

Discussion : This contribution contains a proposal for flow "6.4 Presence user agent subscribing to watcher list and receiving notification of a new watcher subscription".

Is all needed flows shown as eg. a new watcher arriving after SUBSCRIBE? Left for future contributions. Brackets!

Conclusion : Revised to 2141

N1-022141 : TR24.841v010, Nokia, Type: CR, Title: CR to 3GPP TR 24.841 V0.1.0: Proposal for flow 6.4

Discussion : The only difference since the previous version is the angle brackets as in the previous documents and some editorials. It was agreed that a CR to cover a case when a new watcher joins in after the SUBSCRIBE – NOTIFY should be studied in the next meeting. Dynamicsoft volunteered to draft a CR to CN1 #26bis in Munich.

Conclusion : Agreed

N1-022030 : TR24.841v010, Lucent T., Type: CR, Title: CR to 24.841: Clause 4 revisions

Discussion : It is proposed that an editor's note should be included giving the proposed status of this clause. It is believed that both 23.218 and 24.229 would benefit from introductory material in clause 4 of both documents, briefly introducing the presence service, and the future history of the text provided here should reflect that desire.

One proposal was that this clause 4 should be only overview not going anywhere via CRs.

Conclusion : Rejected

N1-022038 : TR24.841v010, Lucent T., Type: CR, Title: CR to 24.841: Clause 7 revisions

Discussion : Related to 2004. Some thought that it would not be any GPRS interactions. Merge of this CR and the one in 2038 was proposed. Should 7.5 be detailed more? This 2038 is the template for a revision where 2004 is integrated.

Conclusion : Revised to 2131

N1-022131 : TR24.841v010, Lucent T., Type: CR, Title: CR to 24.841: Clause 7 revisions

Discussion : Editors notes from the Nokia document are carried over, but not all the intentions.

Conclusion : Revised to 2158

N1-022158 : TR24.841v010, Lucent T., Type: CR, Title: CR to 24.841: Clause 7 revisions

Discussion : To be used as the template.

Conclusion : Agreed

8.2 MBMS (Multimedia Broadcast Multicast Services)

N1-02047 : H3G, Type: TR, Title: MBMS Technical Report

Discussion :

Conclusion : Noted

8.3 IMS Stage 3 enhancements

N1-021995 : Dynamicsoft, Type: DISCUSSION, Title: Status of SIMPLE and Messaging

Discussion : This contribution discusses the work going on in the SIMPLE working group in IETF and the applicability to IMS and the requirements of Immediate Messaging and Session Based Messaging. It is assumed that Deferred Messaging will be based on the evolution of MMS. It is therefore proposed that Immediate and Session based messaging be based upon evolution of the SIMPLE work. The IETF is still open to taking on board additional 3GPP requirements for SIMPLE and the proposed way forward for meeting the additional requirements for Immediate Messaging and Session based messaging is through influencing IETF SIMPLE work.

Related with 1886 LS. What is the user case for deferred messaging ? Maybe larger amount of information,- looking like email. Is session-based only the fleksibility of number of participants? Basically yes, except for creating the room first. Since SIMPLE is still discussing transport for MESSAGE it was proposed to await more stability. A LS to SA2

for guidance was proposed. Some details in the attached call flows of this discussion paper for information were commented to be incorrect. Deferred message was thought based on MMS and therefore to be handled in T2, but could be a part of the same solution as for Immediate and Session Based Messaging if email adresses in SIP should be supported. The Session Based Messaging work in SIMPLE is still very much open and 3GPP could well influence the work there using the same procedures as during Rel-5 for IMS.

Conclusion : Noted

8.4 IMS interoperability

N1-022031 : Lucent T., Type: CR, Title: Discussion on access independence

Discussion : The attached document (drafted as a contribution to SA2 - the owner of the parent work item description) attempts to provide an overview of the documentation for the IM CN subsystem, and identifies those documents were work may best be performed in the area of access independence. This covering contribution invites working group CN1 to provide comments to the authors, such that those views may be taken into account in the SA2 discussion.

The following was agreeable parts from the discussion :
To align with SA2 terminology related with access independence.

23.218:

- Moving some of the details in subclause 5.1 to hide CAMEL and OSA to clauses 10 and 11.
- Subclause 10 becomes the only CAMEL specific subclause in 23.218.
- Subclause 11 becomes the only OSA specific subclause in 23.218.
- GPRS terminology will be made more neutral and access independent. This does not mean removal of GPRS specific *requirements*, if any

24.228:

- Until now this is completely GPRS specific TS and making it access independent is lower priority compared to 23.218 and 24.229

24.229:

- Some GPRS access related stuff is already collected in subclause 9
- Generalisation of GPRS charging to make it access independent
- GPRS related requirements will be collected to subclause 9
- New TS will be started to hold the GPRS related requirements in order to avoid difficulties with Rel-5 CRs that need to be mirrored to Rel-6.

Conclusion : Noted

8.5 Other Rel-6 issues

N1-022029 : Nokia, Type: DISCUSSION, Title: Rel6 open issues

Discussion :

Conclusion : Not available.

9 LS OUT (output liaison statements)

N1-022051 : Martti, Type: LS OUT , **To:** , **Cc:** Title: LS response on subscriber certificates
Discussion : Reply to N1-021545.

Conclusion : Agreed

N1-022052 : Miguel, Type: LS OUT , **To:** SA4, **Cc:** SA2, CN3, CN4, RAN2, GERAN2, Title: Response LS to "Liaison statement on DTMF"

Discussion : Reply to N1-021810.

Conclusion : Agreed

N1-022053 : Miguel, Type: LS OUT , **To:** CN3, SA4, **Cc:** SA2, Title: Reply LS on RTCP overhead in SDP bandwidth parameter

Discussion : Reply to N1-021872.

Conclusion : Agreed

N1-022054 : Robert, Type: LS OUT,**To:** SA2, **Cc:** CN3, GERAN2, Title: LS on CS data services for GERAN Iu-mode

Discussion : Reply to N1-021885.

Conclusion : Agreed

N1-022055 : Andrew A., Type: LS OUT , **To:** , **Cc:** Title: Response Liaison statement on "IMS Messaging"

Discussion : Reply to N1-021886.

Conclusion : Agreed

N1-022058 : Duncan, Type: LS OUT , **To:** , **Cc:** Title: ??

Discussion : Reply to N1-021888. Due to postponing the issue the answer from CN1 should come from CN1#27. Not available.

Conclusion : Withdrawn

N1-022071 : Igarashi, Type: LS OUT , **To:** SA1, **Cc:** Title: LS on Call Barring for SMS in PS domain

Discussion : Related to N1-022039. Change to 22.004. CN1 would not like the change to frozen releases, R99, Rel-4 and Rel-5. Removal of unrealistic stage 1 requirements was proposed and if CB is needed Rel-6 should be the earliest. Delete related text to impact of adding capabilities in this LS. Ask SA1 what they mean with annex A 22.004. Annex A could be cllarified for the CS domain in annex A Note 3.

Conclusion : Revised to 2153

N1-022153 : Igarashi, Type: LS OUT , **To:** SA1, **Cc:** Title: LS on Call Barring for SMS in PS domain

Discussion : Linked to 2039. This LS is sent to CN4 in this meeting and if endorced from CN4 the CN4 secretary sends it to the LS database responsibel for distribution.

Conclusion : Agreed

N1-022122 : Miguel, Type: LS OUT , **To:** , **Cc:** Title: LS on SDP information in charging records

Discussion : Related to N1-021975. A possible joint meeting with SA5 was discussed wether usable and feasable or not. Or should a conference call be proposed, at least on how to continue. Online changed meeting number 27 to 26 and deleted the last sentence.

Conclusion : Agreed

N1-022127 : Andrew A. and Krisztian, Type: LS OUT , **To:** SA1, SA2, SA3, CN, SA, **Cc:** SA4, SA5, CN2,CN3, CN4,CN5, Title: Liaison statement on Interoperability Issues and SIP in IMS

Discussion : Related to N1-021993 and 2014 and 2128.

Conclusion : Revised to 2160

N1-022160 : Andrew A. and Krisztian, Type: LS OUT , **To:** SA1, SA2, SA3, CN, SA, **Cc:** SA4, SA5, CN2,CN3, CN4,CN5, Title: Liaison statement on Interoperability Issues and SIP in IMS

Discussion : Related to N1-021993 and 2014 and 2128.

Conclusion : Agreed

N1-022149 : Andrew H., Type: LS OUT , **To:** GERAN, **Cc:** Title: LS on cause value #14 in networks using NMO I
Discussion : Related to N1-022148. Mirror CRs are needed but will be provided by the originator of this LS.

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 and then painted yellow, but could also be concluded with 'Not available' and then painted light blue.

11 Any Other Business (AOB)

Shadow interim specification with revision marks need to be provided by the rapporteurs for 24.228 and 24.229 due to multiple meetings between TSG CN#17 and CN#18. Many CRs on 24.228 and 24.229 agreed in this meeting may need to be modified and/or merged in CN1#27, depending on what is decided for headers etc. and other editorial issues.

12 Closing of the meeting

16:00 Friday 27.09.2002

Review of dates and hosts for future meetings

Meeting schedule for CN1 in 2002 and 2003

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	Miami, USA	NA 'Friends of 3GPP'
CN1 Rel-6 ad hoc or N1#26bis	22 - 24 October	Munich, Germany	NTT DoCoMo
N1#27	11-15 November 2002	Bangkok, Thailand	Japanese Friends of 3GPP
TSGN#18	**4-6 December 2002**	**New Orleans, Louisiana, USA**	**NA 'Friends of 3GPP'**
N1#28	10 – 14 February 2003	Dublin, Irland	EF3 (European friends of 3GPP)

CN #19	**12 – 14 March 2003**	**Jersey Island, UK**	**UK Friends of 3GPP**
N1#?	7 – 11 April 2003	**Joint CN WG meeting is cancelled. Do we need to keep the CN1 meeting or cancel that too?**	
N1#?	19 – 23 May 2003	?	NA 'Friends of 3GPP'
CN #20	**4 – 6 June 2003**	**Hameenlinna, FINLAND**	**Nokia**
N1#?	18 – 22 August 2003	Sophia Antipolis, France	ETSI
CN #21	**17 – 19 September 2003**	**GERMANY**	**To be confirmed**
N1#?	27 – 31 October 2003	China???	Japanese Friends of 3GPP and Ericsson China
CN #22	**10 – 12 December 2003**	**To be confirmed**	**North American & Japanese Friends of 3GPP**

Annex A Joint meeting report with CNx

Please see section 6 normally, but this time it was no joint meetings taking place.

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Annex C Agreed CRs

TDoc #	Spec	CR #	Rev	CAT	Rel	C_Version	Tdoc Title	Type	WI	Status
N1-022076	04.08	A1125		F	R97	6.19.0	No MT calls after resumption of GPRS in Network Operation Mode I	CR	GPRS	AGREED
N1-022077	04.08	A1127		A	R98	7.18.0	No MT calls after resumption of GPRS in Network Operation Mode I	CR	GPRS	AGREED
N1-022090	04.08	A1129		F	R96	5.18.1	Coding of the "Multiband Supported" bit field in the CM3 IE	CR	Multiband	AGREED
N1-022091	04.08	A1131		A	R97	6.19.0	Coding of the "Multiband Supported" bit field in the CM3 IE	CR	Multiband	AGREED
N1-022092	04.08	A1133		A	R98	7.18.0	Coding of the "Multiband Supported" bit field in the CM3 IE	CR	Multiband	AGREED
N1-021945	23.122	056		F	R99	3.8.0	Correction of references	CR	TEI	AGREED
N1-021946	23.122	057		A	Rel-4	4.2.0	Correction of references	CR	TEI	AGREED
N1-021947	23.122	058		A	Rel-5	5.1.0	Correction of references	CR	TEI	AGREED
N1-022142	23.218	029	1	F	Rel-5	5.2.0	Clarification on	CR	IMS-CCR	AGREED

							CCF/ECF addresses			
N1-022144	23.218	031	1	F	Rel-5	5.2.0	Support of originating requests from Application Servers	CR	IMS-CCR	AGREED
N1-022062	24.008	695	1	A	R99	3.13.0	No MT calls after resumption of GPRS in Network Operation Mode I	CR	GPRS	AGREED
N1-022063	24.008	696	1	A	Rel-4	4.8.0	No MT calls after resumption of GPRS in Network Operation Mode I	CR	GPRS	AGREED
N1-022064	24.008	697	1	A	Rel-5	5.5.0	No MT calls after resumption of GPRS in Network Operation Mode I	CR	GPRS	AGREED
N1-021997	24.008	698		F	Rel-5	5.5.0	Inclusion of EDGE RF Power Capability in the CM3 IE	CR	TEI5	AGREED
N1-022072	24.008	699	1	F	R99	3.13.0	Use of "LLC SAPI not assigned" by the network	CR	GPRS	AGREED
N1-022041	24.008	700		F	Rel-4	4.8.0	Use of "LLC SAPI not assigned" by the network	CR	GPRS	AGREED
N1-022159	24.008	701	3	F	Rel-5	5.5.0	Flow Identifier Encoding	CR	IMS-CCR	AGREED
N1-022066	24.008	702	1	F	Rel-4	4.8.0	Clarification of the codec change procedure	CR	TRFO-OOB	AGREED
N1-022067	24.008	703	1	A	Rel-5	5.5.0	Clarification of the codec change procedure	CR	TRFO-OOB	AGREED
N1-022042	24.008	704		A	Rel-5	5.5.0	Use of "LLC SAPI not assigned" by the network	CR	GPRS	AGREED
N1-022150	24.008	705	2	F	R99	3.13.0	Cell barring after Network authentication rejection from the UE	CR	Security	AGREED
N1-022074	24.008	706	1	A	Rel-4	4.8.0	Cell barring after Network authentication rejection from the UE	CR	Security	AGREED
N1-022075	24.008	707	1	A	Rel-5	5.5.0	Cell barring after Network authentication rejection from the UE	CR	Security	AGREED
N1-022093	24.008	708		A	R99	3.13.0	Coding of the "Multiband Supported" bit field in the CM3 IE	CR	Multiband	AGREED
N1-022094	24.008	709		A	Rel-4	4.8.0	Coding of the "Multiband Supported" bit field in the CM3 IE	CR	Multiband	AGREED
N1-021915	24.228	047	2	F	Rel-5	5.2.0	Relationship of Application Servers to flows in 24.228	CR	IMS-CCR	AGREED
N1-022145	24.228	048	3	F	Rel-5	5.2.0	Addition of tokenization to key	CR	IMS-CCR	AGREED
N1-022146	24.228	054	3	F	Rel-5	5.2.0	Removal of editor's notes - clause 1 through 4 and other minor changes	CR	IMS-CCR	AGREED
N1-022096	24.228	071	1	F	Rel-5	5.2.0	Add P-headers to	CR	IMS-CCR	AGREED

							MO#1b flow			
N1-022151	24.228	073	2	F	Rel-5	5.2.0	Corrections to the Path and Service-Route headers	CR	IMS-CCR	AGREED
N1-021952	24.228	074		F	Rel-5	5.2.0	General clean-up of section 17.3	CR	IMS-CCR	AGREED
N1-022118	24.228	075	1	F	Rel-5	5.2.0	Correction to 24.228 flows - sections 10.4 and 10.5	CR	IMS-CCR	AGREED
N1-022119	24.228	076	1	F	Rel-5	5.2.0	Correction to 24.228 flows- section 17.5	CR	IMS-CCR	AGREED
N1-021985	24.228	077		F	Rel-5	5.2.0	Contact header value at registration	CR	IMS-CCR	AGREED
N1-021986	24.228	078		F	Rel-5	5.2.0	General update of section 5.3	CR	IMS-CCR	AGREED
N1-022015	24.228	080		F	Rel-5	5.2.0	Correction on P-Asserted-Id, P-Preferred-Id, Remote-Party-ID(chapter 7)	CR	IMS-CCR	AGREED
N1-021928	24.229	140	2	F	Rel-5	5.2.0	Support of non-IMS forking	CR	IMS-CCR	AGREED
N1-022114	24.229	144	2	F	Rel-5	5.2.0	Identification of supported IETF drafts within this release	CR	IMS-CCR	AGREED
N1-022056	24.229	161	2	F	Rel-5	5.2.0	Clarifications and editorials to SIP profile	CR	IMS-CCR	AGREED
N1-022106	24.229	179	2	F	Rel-5	5.2.0	Support of originating requests from Application Servers	CR	IMS-CCR	AGREED
N1-021902	24.229	197		D	Rel-5	5.2.0	Wrong references in 4.1	CR	IMS-CCR	AGREED
N1-021903	24.229	198		F	Rel-5	5.2.0	Alignment of the MGCF procedures to RFC 3312	CR	IMS-CCR	AGREED
N1-022080	24.229	199	1	F	Rel-5	5.2.0	Service Route Header and Path Header interactions	CR	IMS-CCR	AGREED
N1-021919	24.229	202		F	Rel-5	5.2.0	Addition of clause 6 though clause 9 references to conformance clause	CR	IMS-CCR	AGREED
N1-022115	24.229	203	1	F	Rel-5	5.2.0	URL and address assignments	CR	IMS-CCR	AGREED
N1-022079	24.229	204	1	F	Rel-5	5.2.0	Fix gprs-charging-info definition and descriptions	CR	IMS-CCR	AGREED
N1-021930	24.229	206		F	Rel-5	5.2.0	Alignment of the SDP attributes related to QoS integration with IETF	CR	IMS-CCR	AGREED
N1-022116	24.229	207	1	F	Rel-5	5.2.0	Update of the 3GPP-generated SIP P-headers document references	CR	IMS-CCR	AGREED
N1-022098	24.229	208	1	F	Rel-5	5.2.0	Handling of INVITE requests that do not contain SDP	CR	IMS-CCR	AGREED
N1-022081	24.229	209	1	F	Rel-5	5.2.0	UE Registration	CR	IMS-CCR	AGREED
N1-022083	24.229	211	1	F	Rel-5	5.2.0	Usage of private user identity during registration	CR	IMS-CCR	AGREED
N1-022084	24.229	212	1	F	Rel-5	5.2.0	P-CSCF subscription to	CR	IMS-CCR	AGREED

							the users registration-state event			
N1-022154	24.229	213	2	F	Rel-5	5.2.0	Handling of MT call by the P-CSCF	CR	IMS-CCR	AGREED
N1-021939	24.229	215		F	Rel-5	5.2.0	P-CSCF acting as a UA	CR	IMS-CCR	AGREED
N1-022085	24.229	216	1	F	Rel-5	5.2.0	S-CSCF handling of protected registrations	CR	IMS-CCR	AGREED
N1-022086	24.229	217	1	F	Rel-5	5.2.0	S-CSCF handling of subscription to the users registration-state event	CR	IMS-CCR	AGREED
N1-022102	24.229	218	1	F	Rel-5	5.2.0	Determination of MO or MT in I-CSCF	CR	IMS-CCR	AGREED
N1-021944	24.229	220		F	Rel-5	5.2.0	Definition of the NAI and RTCP abbreviations	CR	IMS-CCR	AGREED
N1-022105	24.229	222	1	F	Rel-5	5.2.0	Go related error codes in the UE	CR	IMS-CCR	AGREED
N1-022120	24.229	223	1	F	Rel-5	5.2.0	Clarifications on CCF/ECF addresses	CR	IMS-CCR	AGREED
N1-022156	24.229	225	2	F	Rel-5	5.2.0	Clarifications on dedicated PDP Context for IMS signaling	CR	IMS-CCR	AGREED
N1-022157	24.229	228	2	F	Rel-5	5.2.0	Clarifications on the use of charging correlation information	CR	IMS-CCR	AGREED
N1-022095	24.229	232	1	F	Rel-5	5.2.0	Expires information in REGISTER response	CR	IMS-CCR	AGREED
N1-022129	24.229	235	2	C	Rel-5	5.2.0	Indication of successful establishment of Dedicated Signalling PDP context to the UE	CR	IMS-CCR	AGREED
N1-021998	24.229	237		F	Rel-5	5.2.0	P-CSCF sending 100 (Trying) Response for reINVITE	CR	IMS-CCR	AGREED
N1-022124	24.229	238	1	F	Rel-5	5.2.0	P-CSCF shall not save Record-Route of refreshing requests	CR	IMS-CCR	AGREED
N1-022100	24.229	239	1	F	Rel-5	5.2.0	Correction on P-Asserted-Id, P-Preferred-Id, Remote-Party-ID	CR	IMS-CCR	AGREED
N1-022137	24.229	240	1	F	Rel-5	5.2.0	Clarifications to subclause 9.2.5	CR	IMS-CCR	AGREED
N1-022020	24.229	242		F	Rel-5	5.2.0	ENUM translation	CR	IMS-CCR	AGREED
N1-022107	24.229	243	1	F	Rel-5	5.2.0	AS routing	CR	IMS-CCR	AGREED
N1-022108	24.229	245	1	F	Rel-5	5.2.0	Warning header	CR	IMS-CCR	AGREED
N1-022147	24.229	246	1	D	Rel-5	5.2.0	S-CSCF procedure tidyup	CR	IMS-CCR	AGREED
N1-022125	24.229	247	1	F	Rel-5	5.2.0	P-CSCF procedure tidyup	CR	IMS-CCR	AGREED
N1-022082	24.229	248	1	F	Rel-5	5.2.0	UE procedure tidyup	CR	IMS-CCR	AGREED
N1-021978	29.018	032		F	Rel-5	5.1.0	Clarification of the coding of the Global CN-Id	CR	IUFLEX	AGREED

CRs for e-mail agreement

None

Documents Endorsed by N1

None

Annex D Tdoc list (incl. the status)

Agenda	TDoc #	Tdoc Title	Source	WI	C_Version	Rel	CAT	Spec	CR #	Rev	Type	Comments	Status
3	N1-021545	LS on subscriber certificates	SA3								LS IN	S3-020322, To: CN1, SA2 Cc: SA1. Forwarded from CN1#25.	LS OUT in 2051 by Martti
3	N1-021790	Response Liaison Statement on Multiple Codecs	CN3								LS IN	N3-020666, To: SA5, CN1, SA2 Cc: . Forwarded from CN1#25.	See N1-021849
3	N1-021810	Response LS to “Liaison statement on DTMF”	SA4								LS IN	S4-020478, To: CN1 CC: SA2, CN3, CN4, RAN2, GERAN2 . Forwarded from CN1#25.	LS OUT in 2052 by Miguel
3	N1-021811	Liaison Statement on QoS parameters Maximum bit rate/Guaranteed bit rate	SA4								LS IN	S4-020482, To: RAN2, RAN3, SA2 CC: CN1 . Forwarded from CN1#25.	NOTED
2	N1-021864	Agenda (Miami0209)	Chairman								AGENDA		AGREED
4	N1-021865	Draft minutes from CN#17	MCC								REPORT	Not available. See 1963.	WITHDRAWN
4	N1-021866	Draft minutes from SA#17	MCC								REPORT	Not available. See 1965.	WITHDRAWN
4	N1-	CN1 specification	MCC								REP		NOTED

	021867	responsibility list after plenary#17									ORT		
4	N1-021868	Work_plan_3gpp_020731 plus comments	MCC								WORK PLAN		NOTED
3	N1-021869	Proposed solutions for the identification of source IP address information over the Go interface	CN3								LS IN	N3-020738, To: CN1, SA2, CC:	NOTED
3	N1-021870	Reply LS on Subscriber and Equipment Trace Impacts	CN4								LS IN	N4-020990, To: SA5 SWGD, CC: SA, CN1, GERAN, RAN2, RAN3	NOTED
3	N1-021871	LS on Subscribed Media Parameter	CN4								LS IN	N4-021107, To: SA2, CN1 CC: CN3,	NOTED
3	N1-021872	LS on RTCP overhead in SDP bandwidth parameter	CN3								LS IN	N3-020733, To: SA4, CC: CN1, SA2	LS OUT in 2053 by Miguel
3	N1-021873	LS on CS data services for GERAN Iu-mode	CN3								LS IN	N3-020740, To: SA2, GERAN2, CN1, CC:	NOTED
3	N1-021874	Response LS on "Terminal determination of network support of EDGE"	SA1								LS IN	S1-021684, To: CN1, CC: GERAN	NOTED
3	N1-021875	Response to T3-020406/S1-021427 (Response “Liaison Statement on Access to IMS Services using 3GPP release 99 and release 4 UICCs” (S1-020577))	SA1								LS IN	S1-021835, To: T3, SA2, CC: SA5, SA3, CN1	NOTED
3	N1-021876	LS on IMS messaging (3GPP TR 22.940)	SA1								LS IN	S1-021841, To: SA2, CC: T2, CN1	NOTED
3	N1-021877	Correction to Emergency call handling in IMS	SA1								LS IN	S1-021851, To: SA2, CC: CN1	NOTED
3	N1-021878	Response to LS on QoS parameters Maximum bit rate/Guaranteed bit	R2								LS IN	R2-022205, To: SA4, CC:	NOTED

		rate										RAN3, SA2, CN1	
3	N1-021879	Clarification on “Codec mode and Guaranteed Bit Rate in RANAP”	R3								LS IN	R3-022153, To: SA4, CC: RAN2, SA2, CN1	NOTED
3	N1-021880	LS Response on persistent dialogs for unregistered users	SA2								LS IN	S2-022601, To: CN1, CN4, CC:	NOTED
3	N1-021881	Liaison Response on “S-CSCF filtering responses to forked requests”	SA2								LS IN	S2-022602, To: CN1, CC:	NOTED
3	N1-021882	LS reply to LS reply on "Distribution of IMS Charging ID (ICID) from PCF/P-CSCF to GGSN"	SA2								LS IN	S2-022604, To: SA5, CN3, CC: CN1, CN4	NOTED
3	N1-021883	Response on “Proposed solutions for the identification of source IP address information over the Go interface”	SA2								LS IN	S2-022621, To: CN3, CN1 CC:	NOTED
3	N1-021884	Liaison Response on “inclusion of CCF/ECF addresses on Sh interface”	SA2								LS IN	S2-022622, To: CN1, SA5, CC: CN4	NOTED
3	N1-021885	LS on CS data services for GERAN Iu-mode	SA2								LS IN	S2-022625, To: CN3, GERAN 2, CN1, CC:	LS OUT in 2054 by Robert
3	N1-021886	LS on IMS messaging (3GPP TR 22.940)	SA2								LS IN	S2-022626, To: SA1, T2, CN1, CC:	LS OUT in 2055 by Andrew A.
3	N1-021887	Response LS on Subscribed Media Parameter	SA2								LS IN	S2-022634, To: CN, CN4, CN1, CC: CN3	NOTED
3	N1-021888	Correction to Emergency call handling in IMS	SA2								LS IN	S2-022637, To: SA1, CN1, CC: CN2	LS OUT in 2058 by Duncan. Forwarded to CN1#27
3	N1-021889	Reply LS on "Media grouping"	SA2								LS IN	S2-022640, To: SA, CN, CN1,	NOTED

												CC: CN3	
3	N1-021890	LS response to Inclusion of CCF/ECF addresses on Sh interface	SA5								LS IN	S5-024343, To: CN1, SA2, CC: CN4	NOTED
3	N1-021891	LS on "Corrections in the Mobile Station Classmark 3 coding"	GERAN								LS IN	GP-022776, To: CN1, CC:	NOTED
3	N1-021892	Response LS on Security enhancements for GERAN	GERAN								LS IN	GP-022819, To: SA3, CC: SA2, CN1, CN3	NOTED
7.07	N1-021893	Add P-headers to MO#1b flow	Nortel Networks/ Sonia Garapaty	IMS-CCR	5.2.0	Rel-5	F	24.228	071		CR		REVISED TO 2096
7.10	N1-021894	Handling of P-Media-Authorization header	Nortel Networks/ Sonia Garapaty								DISC		NOTED
7.10	N1-021895	Handling of P-Media-Authorization header	Nortel Networks/ Sonia Garapaty	IMS-CCR	5.5.0	Rel-5	F	24.008	680	1	CR		REVISED TO 2112
7.10	N1-021896	Handling of P-Media-Authorization header	Nortel Networks/ Sonia Garapaty	IMS-CCR	5.2.0	Rel-5	F	24.229	190	1	CR		REVISED TO 2113
7.10	N1-021897	Handling of P-Media-Authorization header	Nortel Networks/ Sonia Garapaty	IMS-CCR	5.1.0	Rel-5		29.207			INFO		NOTED
5	N1-021898	MSC_A_HO SDL correction	Nortel Networks/ Sonia Garapaty	TEI	3.11.0	R99	F	23.009	081		CR		REVISED TO 2059
5	N1-021899	MSC_A_HO SDL correction	Nortel Networks/ Sonia Garapaty	TEI	4.5.0	Rel-4	A	23.009	082		CR		REVISED TO 2060
5	N1-021900	MSC_A_HO SDL correction	Nortel Networks/ Sonia	TEI	5.2.0	Rel-5	A	23.009	083		CR		REVISED TO 2061

			Garapaty										
5	N1-021901	Handling of TLLI Collision Cases	Nortel Networks/ Sonia Garapaty								DISC		NOTED
7.11	N1-021902	Wrong references in 4.1	Ericsson/M. Houde	IMS-CCR	5.2.0	Rel-5	D	24.229	197		CR		AGREED
7.07	N1-021903	Alignment of the MGCF procedures to RFC 3312	Ericsson/M. Houde	IMS-CCR	5.2.0	Rel-5	F	24.229	198		CR		AGREED
7.03	N1-021904	Service Route Header and Path Header interactions	Ericsson/M. Houde	IMS-CCR	5.2.0	Rel-5	F	24.229	199		CR		REVISED TO 2080
7.10	N1-021905	Fixing a MESSAGE related typo	Ericsson/M. Houde	IMS-CCR	5.2.0	Rel-5	F	24.229	200		CR		Not available
5	N1-021906	Downloading of local emergency numbers to the mobile station	Vodafone / Duncan Mills								DISC		NOTED
5	N1-021907	Downloading of local emergency numbers to the mobile station	Vodafone / Duncan Mills	TEI4	4.8.0	Rel-4	F	24.008	691		CR		POSTPONED
5	N1-021908	Downloading of local emergency numbers to the mobile station	Vodafone / Duncan Mills	TEI4	5.5.0	Rel-5	A	24.008	692		CR		POSTPONED
7.10	N1-021909	Minor correction to access-network-info header	Vodafone / Duncan Mills	IMS-CCR	5.2.0	Rel-5	F	24.229	201		CR		Not available
7.02	N1-021910	Summary of current IETF documents on SIPPING	Lucent Technologies / Keith Drage	IMS-CCR							INFO		NOTED
7.02	N1-021911	Summary of current IETF documents on SIP	Lucent Technologies / Keith Drage	IMS-CCR							INFO		NOTED
7.02	N1-021912	Summary of current IETF documents on MMUSIC	Lucent Technologies / Keith Drage	IMS-CCR							INFO		NOTED
8.01	N1-021913	Summary of current IETF documents on SIMPLE	Lucent Technologies / Keith Drage	IMS-CCR							INFO		NOTED
7.	N1-	Addition of	Lucent	IMS-	5.2.0	Rel	F	24.2	048	2	CR		REVISED

11	021914	tokenization to key	Technologies / Keith Drage	CCR		-5		28					TO 2145
7.11	N1-021915	Relationship of Application Servers to flows in 24.228	Lucent Technologies / Keith Drage	IMS-CCR	5.2.0	Rel-5	F	24.228	047	2	CR		AGREED
7.11	N1-021916	Removal of editor's notes - clause 1 through 4 and other minor changes	Lucent Technologies / Keith Drage	IMS-CCR	5.2.0	Rel-5	F	24.228	054	2	CR		REVISED TO 2146
7.10	N1-021917	Identification of supported IETF drafts within this release	Lucent Technologies / Keith Drage	IMS-CCR	5.2.0	Rel-5	F	24.229	144	1	CR		REVISED TO 2114
7.11	N1-021918	Clarifications and editorials to SIP profile	Lucent Technologies / Keith Drage	IMS-CCR	5.2.0	Rel-5	F	24.229	161	1	CR	Not presented.	REVISED TO 2056
7.10	N1-021919	Addition of clause 6 though clause 9 references to conformance clause	Lucent Technologies / Keith Drage	IMS-CCR	5.2.0	Rel-5	F	24.229	202		CR		AGREED
7.10	N1-021920	URL and address assignments	Lucent Technologies / Keith Drage	IMS-CCR	5.2.0	Rel-5	F	24.229	203		CR		REVISED TO 2115
8.01	N1-021921	Draft 3GPP TR 24.841 "Presence based on SIP; Functional models, flows and protocol details"	Lucent Technologies / Keith Drage	PRESNC	0.1.0	Rel-6		24.841			TR		NOTED
8.01	N1-021922	CR to 24,841: Inclusion of material to Presence TR lost in replacement at last meeting	Lucent Technologies / Keith Drage	PRESNC	0.1.0	Rel-6		24.841			CR		REVISED TO 2130
8.01	N1-021923	CR to 24,841: Handling of references and Bibiography	Lucent Technologies / Keith Drage	PRESNC	0.1.0	Rel-6		24.841			CR		AGREED
8.0	N1-021924	CR to 24,841: Revisions to	Lucent Techn	PRESNC	0.1.0	Rel-6		24.841			CR		Not available

1		subscription flows in clause 6.1.2.1	ologies / Keith Drage										
7.07	N1-021925	Fix gprs-charging-info definition and descriptions	Lucent Technologies and NEC Corporation	IMS-CCR	5.2.0	Rel-5	F	24.229	204		CR		REVISED TO 2079
7.07	N1-021926	Fix ioi descriptions	Lucent Technologies / Eric Henrikson	IMS-CCR	5.2.0	Rel-5	F	24.229	205		CR		REVISED TO 2097
7.07	N1-021927	Add charging P-header examples to call flows	Lucent Technologies / Eric Henrikson	IMS-CCR	5.2.0	Rel-5	F	24.228	072		CR	Not presented	REVISED TO 2057
7.07	N1-021928	Support of non-IMS forking	Ericsson/ M. Garcia	IMS-CCR	5.2.0	Rel-5	F	24.229	140	2	CR		AGREED
7.02	N1-021929	INFO: 3GPP SIP P-headers Internet draft	Ericsson/ M. Garcia								INFO		NOTED
7.10	N1-021930	Alignment of the SDP attributes related to QoS integration with IETF	Ericsson/ M. Garcia	IMS-CCR	5.2.0	Rel-5	F	24.229	206		CR		AGREED
7.10	N1-021931	Update of the 3GPP-generated SIP P-headers document references	Ericsson/ M. Garcia	IMS-CCR	5.2.0	Rel-5	F	24.229	207		CR		REVISED TO 2116
7.07	N1-021932	Handling of INVITE requests that do not contain SDP	Ericsson/ M. Garcia	IMS-CCR	5.2.0	Rel-5	F	24.229	208		CR		REVISED TO 2098
7.03	N1-021933	UE Registration	Lucent Technologies / Milo Orsic	IMS-CCR	5.2.0	Rel-5	F	24.229	209		CR		REVISED TO 2081
7.07	N1-021934	P-Asserted-Identity header inserted by the UE	Lucent Technologies / Milo Orsic	IMS-CCR	5.2.0	Rel-5	F	24.229	210		CR		REJECTED
7.03	N1-021935	Usage of private user identity during registration	Lucent Technologies / Milo Orsic	IMS-CCR	5.2.0	Rel-5	F	24.229	211		CR		REVISED TO 2083
7.03	N1-021936	P-CSCF subscription to the users registration-state	Lucent Technologie	IMS-CCR	5.2.0	Rel-5	F	24.229	212		CR		REVISED TO 2084

		event	s / Milo Orsic										
7.07	N1-021937	Handling of MT call by the P-CSCF	Lucent Technologies / Milo Orsic	IMS-CCR	5.2.0	Rel-5	F	24.229	213		CR		REVISED TO 2101
7.07	N1-021938	P-CSCF handling of P-Asserted-Identity header	Lucent Technologies / Milo Orsic	IMS-CCR	5.2.0	Rel-5	F	24.229	214		CR		Not available
7.08	N1-021939	P-CSCF acting as a UA	Lucent Technologies / Milo Orsic	IMS-CCR	5.2.0	Rel-5	F	24.229	215		CR		AGREED
7.03	N1-021940	S-CSCF handling of protected registrations	Lucent Technologies / Milo Orsic	IMS-CCR	5.2.0	Rel-5	F	24.229	216		CR		REVISED TO 2085
7.03	N1-021941	S-CSCF handling of subscription to the users registration-state event	Lucent Technologies / Milo Orsic	IMS-CCR	5.2.0	Rel-5	F	24.229	217		CR		REVISED TO 2086
7.07	N1-021942	Determination of MO or MT in I-CSCF	Lucent Technologies / Milo Orsic	IMS-CCR	5.2.0	Rel-5	F	24.229	218		CR		REVISED TO 2102
7.03	N1-021943	Handling of default public user identities by the P-CSCF and S-CSCF	Lucent Technologies / Milo Orsic	IMS-CCR	5.2.0	Rel-5	F	24.229	219		CR		Not available
7.10	N1-021944	Definition of the NAI and RTCP abbreviations	Lucent Technologies / Milo Orsic	IMS-CCR	5.2.0	Rel-5	F	24.229	220		CR		AGREED
5	N1-021945	Correction of references	Nokia	TEI	3.8.0	R99	F	23.122	056		CR		AGREED
5	N1-021946	Correction of references	Nokia	TEI	4.2.0	Rel-4	A	23.122	057		CR		AGREED
5	N1-021947	Correction of references	Nokia	TEI	5.1.0	Rel-5	A	23.122	058		CR		AGREED
5	N1-021948	No MT calls after resumption of GPRS in Network Operation Mode I	Nokia	TEI	3.13.0	R99	F	24.008	695		CR		REVISED TO 2062

5	N1-021949	No MT calls after resumption of GPRS in Network Operation Mode I	Nokia	TEI	4.8.0	Rel-4	A	24.008	696		CR		REVISED TO 2063
5	N1-021950	No MT calls after resumption of GPRS in Network Operation Mode I	Nokia	TEI	5.5.0	Rel-5	A	24.008	697		CR		REVISED TO 2064
7.03	N1-021951	Corrections to the Path and Service-Route headers	Ericsson, M. Garcia	IMS-CCR	5.2.0	Rel-5	F	24.228	073		CR		REVISED TO 2087
7.07	N1-021952	General clean-up of section 17.3	Ericsson, M. Garcia	IMS-CCR	5.2.0	Rel-5	F	24.228	074		CR		AGREED
7.10	N1-021953	Indication of successful establishment of Dedicated Signalling PDP context to the UE	Nokia	IMS-CCR	5.2.0	Rel-5	C	24.229	235		CR	Not presented.	REVISED TO 2088
7.04	N1-021954	Detach of terminals while connected to IMS	Ericsson / A Monrad								DISC		Not available
7.04	N1-021955	Detach of terminals connected to IMS	Ericsson / A Monrad	IMS-CCR	5.2.0	Rel-5	F	24.229	221		CR		Not available
7.07	N1-021956	Clarifications of the binding and media grouping	Ericsson / A Monrad	IMS-CCR	5.2.0	Rel-5	F	24.229	175	1	CR		REVISED TO 2103
7.07	N1-021957	Go related error codes in the UE	Ericsson / A Monrad	IMS-CCR	5.2.0	Rel-5	F	24.229	222		CR		REVISED TO 2105
7.10	N1-021958	Emergency service correction	Nokia								DISC		NOTED
7.10	N1-021959	Emergency service correction	Nokia	IMS-CCR	5.2.0	Rel-5	C	24.229	234		CR		POSTPONED
7.10	N1-021960	Flow Identifier Encoding	Nortel Networks/ Sonia Garapaty	IMS-CCR	5.5.0	Rel-5	F	24.008	701		CR		REVISED TO 2089
3	N1-021961	LS on Allowed AMR-WB Configurations	CN								LS IN	NP-020357, To: CN1, CN4, CC:	NOTED
3	N1-021962	Liaison Statement on Interoperability Issues and SIP in IMS	CN								LS IN	NP-020393, To: CN1, CN2, CN3, CN4, CN5, CC:	NOTED

2	N1-021963	DRAFT MEETING REPORT v1.0.0, 3GPP TSG-CN#17, Biarritz, France, 4-6/9-02	MCC								REPORT		NOTED
4	N1-021964	Latest workplan from September for review?	MCC								WORK PLAN	Only version 31july exists, which is the same as before TSG#17.	Not available
2	N1-021965	Draft Report for TSG SA meeting #17 - version 0.0.3	MCC								REPORT		NOTED
5	N1-021966	Use of cause #14 in networks using NMOI	Motorola/A.Howell	TEI	6.2.0	R97	F	09.95	007		INFO		REVISED TO 2065
7.10	N1-021967	Correction to 24.228 flows - sections 10.4 and 10.5	Hugh Shieh/AWS	IMS-CCR	5.2.0	Rel-5	F	24.228	075		CR		REVISED TO 2118
7.10	N1-021968	Correction to 24.228 flows- section 17.5	Hugh Shieh/AWS	IMS-CCR	5.2.0	Rel-5	F	24.228	076		CR		REVISED TO 2119
7.12	N1-021969	Clarification on CCF/ECF addresses	NEC/Yukio Kawanami	IMS-CCR	5.2.0	Rel-5	F	23.218	029		CR		REVISED TO 2142
7.12	N1-021970	Clarification on MRFP reference point	NEC/Yukio Kawanami	IMS-CCR	5.2.0	Rel-5	F	23.218	030		CR		REVISED TO 2143
7.10	N1-021971	Clarifications on CCF/ECF addresses	NEC/Yukio Kawanami	IMS-CCR	5.2.0	Rel-5	F	24.229	223		CR		REVISED TO 2120
7.10	N1-021972	Clarifications on AS role	NEC/Yukio Kawanami	IMS-CCR	5.2.0	Rel-5	F	24.229	224		CR		REJECTED
7.10	N1-021973	Clarifications on dedicated PDP Context for IMS signaling	NEC/Yukio Kawanami	IMS-CCR	5.2.0	Rel-5	F	24.229	225		CR		REVISED TO 2121
7.10	N1-021974	Clarifications on dedicated PDP Context for charging requirement	NEC/Yukio Kawanami	IMS-CCR	5.2.0	Rel-5	F	24.229	226		CR		REJECTED
7.10	N1-021975	Clarifications of SDP for charging requirement	NEC/Yukio Kawanami	IMS-CCR	5.2.0	Rel-5	F	24.229	227		CR		POSTPONED
5	N1-021976	Clarification of the codec change procedure	Siemens	TRFO-OOB	4.8.0	Rel-4	F	24.008	702		CR		REVISED TO 2066
5	N1-021977	Clarification of the codec change procedure	Siemens	TRFO-OOB	5.5.0	Rel-5	A	24.008	703		CR		REVISED TO 2067
7.0	N1-021978	Clarification of the coding of the Global	Siemens	IUFLEX	5.1.0	Rel-5	F	29.018	032		CR		AGREED

1		CN-Id											
7.0.1	N1-021979	Introduction of GERAN Iu-mode	Siemens	TEI5	5.0.0	Rel-5	F	23.034	007	1	CR		Not available
7.0.1	N1-021980	Inter-MSC relocation and intersystem handover for multiple codecs	Siemens	TRFO-OOB	5.2.0	Rel-5	F	23.009	084		CR		REVISED TO 2078
7.1.0	N1-021981	Clarifications on the use of charging correlation information	NEC/Yukio Kawanami	IMS-CCR	5.2.0	Rel-5	F	24.229	228		CR		REVISED TO 2123
7.1.0	N1-021982	Clarifications on MESSAGE for charging requirement	NEC/Yukio Kawanami	IMS-CCR	5.2.0	Rel-5	F	24.229	229		CR		REJECTED
7.1.0	N1-021983	Clarifications on AS procedures for charging requirement	NEC/Yukio Kawanami	IMS-CCR	5.2.0	Rel-5	F	24.229	230		CR		REJECTED
7.1.0	N1-021984	Clarifications on UUS data for charging requirement	NEC/Yukio Kawanami	IMS-CCR	5.2.0	Rel-5	F	24.229	231		CR		WITHDRAWN
7.0.3	N1-021985	Contact header value at registration	Ericsson, M. Garcia	IMS-CCR	5.2.0	Rel-5	F	24.228	077		CR		AGREED
7.1.0	N1-021986	General update of section 5.3	Ericsson, M. Garcia	IMS-CCR	5.2.0	Rel-5	F	24.228	078		CR		AGREED
7.0.3	N1-021987	Expires information in REGISTER response	Siemens / Georg Mayer	IMS-CCR	5.2.0	Rel-5	F	24.229	232		CR		REVISED TO 2095
7.1.0	N1-021988	Discussion Paper on re-synchronisation SIP compression	Siemens / Mark								DISC		NOTED
7.1.0	N1-021989	CR on re-syncronisation of SIP compressor/de-compressor	Siemens / Mark	IMS-CCR	5.2.0	Rel-5	F	24.229	233		CR		WITHDRAWN
7.0.3	N1-021990	CR on the registration state event package	Siemens / Mark	IMS-CCR	5.2.0	Rel-5	F	24.228	079		CR		Not available
7.1.2	N1-021991	Support of originating requests from Application Servers	dynamicsoft, Andrew Allen	IMS-CCR	5.2.0	Rel-5	F	23.218	031		CR		REVISED TO 2144
7.0.7	N1-021992	Support of originating requests from Application Servers	Dynamicsoft Andrew Allen	IMS-CCR	5.2.0	Rel-5	F	24.229	179	1	CR		REVISED TO 2106
7.1.0	N1-021993	Analysis of Issues identifies in IETF liaison	Dynamicsoft Andrew Allen	IMS-CCR							DISC	See N1-022128 for CN1 discussion result.	NOTED and LS OUT in N1-022127 by

													Andrew/Krisztian
7.03	N1-021994	Alignment of UE with SIP UA funtions including Path header and Service-Route header support	Dynamicsoft Andrew Allen	IMS-CCR	5.2.0	Rel-5	F	24.229	236		CR		POSTPONED
8.03	N1-021995	Status of SIMPLE and Messaging	Dynamicsoft Andrew Allen			Rel-6					DISC		NOTED
7.02	N1-021996	CN1 Open Items List	Dynamicsoft Andrew Allen	IMS-CCR							INFO		NOTED
5	N1-021997	Inclusion of EDGE RF Power Capability in the CM3 IE	Siemens	TEI5	5.5.0	Rel-5	F	24.008	698		CR		AGREED
7.10	N1-021998	P-CSCF sending 100 (Trying) Response for reINVITE	Siemens / Georg Mayer	IMS-CCR	5.2.0	Rel-5	F	24.229	237		CR		AGREED
7.10	N1-021999	P-CSCF shall not save Record-Route of refreshing requests	Siemens / Georg Mayer	IMS-CCR	5.2.0	Rel-5	F	24.229	238		CR		REVISED TO 2124
5	N1-022000	Interaction of relocation and security procedures	Nokia/Inma	GSM/UMTS interworking	3.10.0	R99	F	23.009	085		CR		REVISED TO 2068
5	N1-022001	Interaction of relocation and security procedures	Nokia/Inma	GSM/UMTS interworking	4.3.0	Rel-4	A	23.009	086		CR		REVISED TO 2069
5	N1-022002	Interaction of relocation and security procedures	Nokia/Inma	GSM/UMTS interworking	5.1.0	Rel-5	A	23.009	087		CR		REVISED TO 2070
7.01	N1-022003	Inter-MSC SRNS Relocation For SCUDIF Calls	LM Ericsson	SCUDIF							DISC		NOTED
8.01	N1-022004	CR to 3GPP TR 24.841 V0.1.0: Additions to the Presence TR (24.229 part)	Nokia	PRES	0.1.0	Rel-6		24.841			CR	N1-022038 is used as template for the revision	REVISED TO 2131
8.01	N1-022005	CR to 3GPP TR 24.841 V0.1.0: Corrections on flow	Nokia	PRES	0.1.0	Rel-6		24.841			CR		REVISED TO 2132

		6.1.2.1 (24.229 part)											
8.0.1	N1-022006	CR to 3GPP TR 24.841 V0.1.0: Proposal for flow 6.1.3.1	Nokia	PRES	0.1.0	Rel-6		24.841			CR		REVISED TO 2133
8.0.1	N1-022007	CR to 3GPP TR 24.841 V0.1.0: Proposal for flow 6.1.4.1	Nokia	PRES	0.1.0	Rel-6		24.841			CR		REVISED TO 2134
8.0.1	N1-022008	CR to 3GPP TR 24.841 V0.1.0: Proposal for flow 6.1.5.1	Nokia	PRES	0.1.0	Rel-6		24.841			CR		REVISED TO 2135
8.0.1	N1-022009	CR to 3GPP TR 24.841 V0.1.0: Proposal for flow 6.2.2.1	Nokia	PRES	0.1.0	Rel-6		24.841			CR		REVISED TO 2136
8.0.1	N1-022010	CR to 3GPP TR 24.841 V0.1.0: Proposal for flow 6.2.3.1	Nokia	PRES	0.1.0	Rel-6		24.841			CR		REVISED TO 2138
8.0.1	N1-022011	CR to 3GPP TR 24.841 V0.1.0: Corrections on flow 6.3.2.1	Nokia	PRES	0.1.0	Rel-6		24.841			CR		REVISED TO 2139
8.0.1	N1-022012	CR to 3GPP TR 24.841 V0.1.0: Proposal for flow 6.3.3.1	Nokia	PRES	0.1.0	Rel-6		24.841			CR		REVISED TO 2140
8.0.1	N1-022013	CR to 3GPP TR 24.841 V0.1.0: Proposal for flow 6.4	Nokia	PRES	0.1.0	Rel-6		24.841			CR		REVISED TO 2141
7.10	N1-022014	Technical analysis on IETF's concerns on SIP in IMS Release 5 in "Liaison Statement on Interoperability Issues and SIP in IMS"	Nokia	IMS-CCR	5.2.0	Rel-5					DISC	See N1-022128 for CN1 discussion result.	NOTED and LS OUT in N1-022127 by Andrew/Krisztian
7.07	N1-022015	Correction on P-Asserted-Id, P-Preferred-Id, Remote-Party-ID(chapter 7)	Nokia	IMS-CCR	5.2.0	Rel-5	F	24.228	080		CR		AGREED
7.07	N1-022016	Correction on P-Asserted-Id, P-Preferred-Id, Remote-Party-ID(chapter 10.2, 10.3)	Nokia	IMS-CCR	5.2.0	Rel-5	F	24.228	081		CR		Not available
7.07	N1-022017	Correction on P-Asserted-Id, P-Preferred-Id, Remote-Party-ID	Nokia	IMS-CCR	5.2.0	Rel-5	F	24.229	239		CR		REVISED TO 2100
7.07	N1-022018	Corrections on P-CSCF behaviour: handling the Record-Route, Route header fields	Nokia	IMS-CCR	5.2.0	Rel-5	F	24.228	087		CR		Not available
7.	N1-	Corrections on P-	Nokia	IMS-	5.2.0	Rel	F	24.2	241		CR		POSTPO

07	022019	CSCF behaviour: handling the Record-Route, Route header fields		CCR		-5		29					NED
7.07	N1-022020	ENUM translation	Nokia	IMS-CCR	5.2.0	Rel-5	F	24.229	242		CR		AGREED
7.111	N1-022021	References corrections	Nokia	IMS-CCR	5.2.0	Rel-5	F	24.228	082		CR		Not available
7.111	N1-022022	Clause 17.6 Error handling	Nokia	IMS-CCR	5.2.0	Rel-5	F	24.228	083		CR		Not available
7.111	N1-022023	Editorial on To and From headers	Nokia	IMS-CCR	5.2.0	Rel-5	F	24.228	084		CR		Not available
7.03	N1-022024	Path and P-Service-Route corrections	Nokia	IMS-CCR	5.2.0	Rel-5	F	24.228	085		CR		REJECTED
7.111	N1-022025	Editor's notes in 24.228	Nokia	IMS-CCR	5.2.0	Rel-5	F	24.228	086		CR		Not available
7.07	N1-022026	AS routing	Nokia	IMS-CCR	5.2.0	Rel-5	F	24.229	243		CR		REVISED TO 2107
7.07	N1-022027	Corrections to 5112	Nokia	IMS-CCR	5.2.0	Rel-5	F	24.229	244		CR		REJECTED
7.07	N1-022028	Warning header	Nokia	IMS-CCR	5.2.0	Rel-5	F	24.229	245		CR		REVISED TO 2108
8.05	N1-022029	Rel6 open issues	Nokia								DISC		Not available
8.01	N1-022030	CR to 24.841: Clause 4 revisions	Lucent Technologies / Keith Drage	PRESNC	0.1.0	Rel-6		24.841			CR		REJECTED
8.04	N1-022031	Discussion on access independence	Lucent Technologies / Keith Drage	IMS interoperability		Rel-6					CR		NOTED
7.111	N1-022032	S-CSCF procedure tidyup	Lucent Technologies / Keith Drage	IMS-CCR	5.2.0	Rel-5	D	24.229	246		CR		REVISED TO 2147
7.110	N1-022033	P-CSCF procedure tidyup	Lucent Technologies / Keith Drage	IMS-CCR	5.2.0	Rel-5	F	24.229	247		CR		REVISED TO 2125
7.110	N1-022034	UE procedure tidyup	Lucent Technologie	IMS-CCR	5.2.0	Rel-5	F	24.229	248		CR		REVISED TO 2082

			s / Keith Drage										
7.10	N1-022035	MESSAGE corrections part 1	Lucent Technologies / Keith Drage	IMS-CCR	5.2.0	Rel-5	F	24.229	249		CR		REVISED TO 2126
7.10	N1-022036	MESSAGE corrections part 2	Lucent Technologies / Keith Drage	IMS-CCR	5.2.0	Rel-5	F	24.229	250		CR		Not available
7.06	N1-022037	Security association clarifications	Lucent Technologies / Keith Drage	IMS-CCR	5.2.0	Rel-5	F	24.229	251		CR		Not available
8.01	N1-022038	CR to 24.841: Clause 7 revisions	Lucent Technologies / Keith Drage	PRESNC	0.1.0	Rel-6		24.841			CR		REVISED TO 2131
5	N1-022039	Discussion Paper on introducing CB for SMS in PS domain	DoCoMo								DISC	LS OUT in 2071 by Igarashi.	NOTED
5	N1-022040	Use of "LLC SAPI not assigned" by the network	Motorola / Apostolis	GPRS	3.13.0	R99	F	24.008	699		CR		REVISED TO 2072
5	N1-022041	Use of "LLC SAPI not assigned" by the network	Motorola / Apostolis	GPRS	4.8.0	Rel-4	F	24.008	700		CR		AGREED
5	N1-022042	Use of "LLC SAPI not assigned" by the network	Motorola / Apostolis	GPRS	5.5.0	Rel-5	A	24.008	704		CR		AGREED
7.07	N1-022043	SIP compression resynchronisation	Dynamicsoft Andrew Allen								DISC		NOTED
3	N1-022044	Reply LS on Media grouping	CN								LS IN	NP-020480, To: CN1, SA2, Cc: SA, CN3	NOTED
3	N1-022045	Response to IETF LS on Interoperability Issues and SIP in IMS	SA								LS IN	SP-020627, To: IETF, Cc: CN, CN1, CN2, CN3,	NOTED

												CN4, CN5, SA1, SA2, SA3, SA4, SA5	
7.01	N1-022046	Emergency Service Procedure	H3G	IMS-CCR		Rel-5					DISC		Not available
8.02	N1-022047	MBMS Technical Report	H3G	MBMS		Rel-6		29.846			TR		NOTED
5	N1-022048	Cell barring after Network authentication rejection from the UE	ETSI-NEC Technologies (UK) LTD	Security	3.13.0	R99	F	24.008	705		CR		REVISED TO 2073
5	N1-022049	Cell barring after Network authentication rejection from the UE	ETSI-NEC Technologies (UK) LTD	Security	4.8.0	Rel-4	A	24.008	706		CR		REVISED TO 2074
5	N1-022050	Cell barring after Network authentication rejection from the UE	ETSI-NEC Technologies (UK) LTD	Security	5.5.0	Rel-5	A	24.008	707		CR		REVISED TO 2075
9	N1-022051	LS response on subscriber certificates	Martti								LS OUT	Linked to 1545. To: SA3	AGREED
9	N1-022052	Response LS to “Liaison statement on DTMF”	Miguel								LS OUT	Linked to 1810. To: SA4, Cc: SA2, CN3, CN4, RAN2, GERAN2	AGREED
9	N1-022053	Reply LS on RTCP overhead in SDP bandwidth parameter	Miguel								LS OUT	Linked to 1872. To: CN3, SA4, Cc: SA2	AGREED
9	N1-022054	LS on CS data services for GERAN Iu-mode	Robert								LS OUT	Linked to 1885. To: SA2, Cc: CN3, GERAN2	AGREED
9	N1-022055	Response Liaison statement on “IMS Messaging”	Andrew A.								LS OUT	Linked to 1886. To: SA1, SA2, Cc: T2	AGREED
7.11	N1-022056	Clarifications and editorials to SIP profile	Lucent Technologies / Keith Drage	IMS-CCR	5.2.0	Rel-5	F	24.229	161	2	CR	Revised from 1918	AGREED
7.	N1-	Add charging P-	Lucent	IMS-	5.2.0	Rel	F	24.2	072	1	CR	Revised	REVISED

07	022057	header examples to call flows	Technologies / Eric Henrikson	CCR		-5		28				from 1927	TO 2099
9	N1-022058	??????	Duncan								LS OUT	Linked to 1888. Not available.	WITHDRAWN
5	N1-022059	MSC_A_HO SDL correction	Nortel Networks/ Sonia Garapaty	TEI	3.11.0	R99	F	23.009	081	1	CR	Revised from 1898. Not available.	WITHDRAWN
5	N1-022060	MSC_A_HO SDL correction	Nortel Networks/ Sonia Garapaty	TEI	4.5.0	Rel-4	A	23.009	082	1	CR	Revised from 1899. Not available.	WITHDRAWN
5	N1-022061	MSC_A_HO SDL correction	Nortel Networks/ Sonia Garapaty	TEI	5.2.0	Rel-5	A	23.009	083	1	CR	Revised from 1900. Not available.	WITHDRAWN
5	N1-022062	No MT calls after resumption of GPRS in Network Operation Mode I	Nokia	GPRS	3.13.0	R99	A	24.008	695	1	CR	Revised from 1948	AGREED
5	N1-022063	No MT calls after resumption of GPRS in Network Operation Mode I	Nokia	GPRS	4.8.0	Rel-4	A	24.008	696	1	CR	Revised from 1949	AGREED
5	N1-022064	No MT calls after resumption of GPRS in Network Operation Mode I	Nokia	GPRS	5.5.0	Rel-5	A	24.008	697	1	CR	Revised from 1950	AGREED
5	N1-022065	Use of cause #14 in networks using NMOI	Motorola/A.Howell	TEI	6.2.0	R97	F	09.95	007	1	INFO	Revised from 1966 and LS out in 2149	REVISED TO 2148
5	N1-022066	Clarification of the codec change procedure	Siemens	TRFO-OOB	4.8.0	Rel-4	F	24.008	702	1	CR	Revised from 1976	AGREED
5	N1-022067	Clarification of the codec change procedure	Siemens	TRFO-OOB	5.5.0	Rel-5	A	24.008	703	1	CR	Revised from 1977	AGREED
5	N1-022068	Interaction of relocation and security procedures	Nokia/Inma	GSM/UMTS interworking	3.10.0	R99	F	23.009	085	1	CR	Revised from 2000. Not available.	WITHDRAWN
5	N1-022069	Interaction of relocation and security procedures	Nokia/Inma	GSM/UMTS interworking	4.3.0	Rel-4	A	23.009	086	1	CR	Revised from 2001. Not available.	WITHDRAWN

5	N1-022070	Interaction of relocation and security procedures	Nokia/Inma	GSM/UMTS interworking	5.1.0	Rel-5	A	23.009	087	1	CR	Revised from 2002. Not available.	WITHDRAWN
9	N1-022071	LS on Call Barring for SMS in PS domain	Igarashi								LS OUT	Linked to 2039. To: SA1	REVISED TO 2153
5	N1-022072	Use of "LLC SAPI not assigned" by the network	Motorola / Apostolis	GPRS	3.13.0	R99	F	24.008	699	1	CR	Revised from 2040	AGREED
5	N1-022073	Cell barring after Network authentication rejection from the UE	ETSI-NEC Technologies (UK) LTD	Security	3.13.0	R99	F	24.008	705	1	CR	Revised from 2048	REVISED TO 2150
5	N1-022074	Cell barring after Network authentication rejection from the UE	ETSI-NEC Technologies (UK) LTD	Security	4.8.0	Rel-4	A	24.008	706	1	CR	Revised from 2049	AGREED
5	N1-022075	Cell barring after Network authentication rejection from the UE	ETSI-NEC Technologies (UK) LTD	Security	5.5.0	Rel-5	A	24.008	707	1	CR	Revised from 2050	AGREED
5	N1-022076	No MT calls after resumption of GPRS in Network Operation Mode I	Nokia	GPRS	6.19.0	R97	F	04.08	A1125		CR		AGREED
5	N1-022077	No MT calls after resumption of GPRS in Network Operation Mode I	Nokia	GPRS	7.18.0	R98	A	04.08	A1127		CR		AGREED
7.01	N1-022078	Inter-MSC relocation and intersystem handover for multiple codecs	Siemens	TRFO-OOB	5.2.0	Rel-5	F	23.009	084	1	CR	Revised from 1980	REVISED TO 2152
7.07	N1-022079	Fix gprs-charging-info definition and descriptions	Lucent Technologies and NEC Corporation	IMS-CCR	5.2.0	Rel-5	F	24.229	204	1	CR	Revised from 1925	AGREED
7.03	N1-022080	Service Route Header and Path Header interactions	Ericsson/M. Houde	IMS-CCR	5.2.0	Rel-5	F	24.229	199	1	CR	Revised from 1904	AGREED
7.03	N1-022081	UE Registration	Lucent Technologies / Milo Orsic	IMS-CCR	5.2.0	Rel-5	F	24.229	209	1	CR	Revised from 1933	AGREED
7.1	N1-022082	UE procedure tidyup	Lucent Techn	IMS-CCR	5.2.0	Rel-5	F	24.229	248	1	CR	Revised from 2034	AGREED

0			ologies / Keith Drage										
7.03	N1-022083	Usage of private user identity during registration	Lucent Technologies / Milo Orsic	IMS-CCR	5.2.0	Rel-5	F	24.229	211	1	CR	Revised from 1935	AGREED
7.03	N1-022084	P-CSCF subscription to the users registration-state event	Lucent Technologies / Milo Orsic	IMS-CCR	5.2.0	Rel-5	F	24.229	212	1	CR	Revised from 1936	AGREED
7.03	N1-022085	S-CSCF handling of protected registrations	Lucent Technologies / Milo Orsic	IMS-CCR	5.2.0	Rel-5	F	24.229	216	1	CR	Revised from 1940	AGREED
7.03	N1-022086	S-CSCF handling of subscription to the users registration-state event	Lucent Technologies / Milo Orsic	IMS-CCR	5.2.0	Rel-5	F	24.229	217	1	CR	Revised from 1941	AGREED
7.03	N1-022087	Corrections to the Path and Service-Route headers	Ericsson, M. Garcia	IMS-CCR	5.2.0	Rel-5	F	24.228	073	1	CR	Revised from 1951	REVISED TO 2151
7.10	N1-022088	Indication of successful establishment of Dedicated Signalling PDP context to the UE	Nokia	IMS-CCR	5.2.0	Rel-5	C	24.229	235	1	CR	Revised from 1953	REVISED TO 2129
7.10	N1-022089	Flow Identifier Encoding	Nortel Networks/ Sonia Garapaty	IMS-CCR	5.5.0	Rel-5	F	24.008	701	1	CR	Revised from 1960	REVISED TO 2117
5	N1-022090	Coding of the "Multiband Supported" bit field in the CM3 IE	Siemens	Multiband	5.18.1	R96	F	04.08	A1129		CR		AGREED
5	N1-022091	Coding of the "Multiband Supported" bit field in the CM3 IE	Siemens	Multiband	6.19.0	R97	A	04.08	A1131		CR		AGREED
5	N1-022092	Coding of the "Multiband Supported" bit field in the CM3 IE	Siemens	Multiband	7.18.0	R98	A	04.08	A1133		CR		AGREED
5	N1-022093	Coding of the "Multiband Supported" bit field in the CM3 IE	Siemens	Multiband	3.13.0	R99	A	24.008	708		CR		AGREED
5	N1-022094	Coding of the "Multiband	Siemens	Multiband	4.8.0	Rel-4	A	24.008	709		CR		AGREED

		Supported" bit field in the CM3 IE											
7.03	N1-022095	Expires information in REGISTER response	Siemens / Georg Mayer	IMS-CCR	5.2.0	Rel-5	F	24.229	232	1	CR	Revised from 1987	AGREED
7.07	N1-022096	Add P-headers to MO#1b flow	Nortel Networks/ Sonia Garapaty	IMS-CCR	5.2.0	Rel-5	F	24.228	071	1	CR	Revised from 1893	AGREED
7.07	N1-022097	Fix ioi descriptions	Lucent Technologies / Eric Henrikson	IMS-CCR	5.2.0	Rel-5	F	24.229	205	1	CR	Revised from 1926	REJECTED
7.07	N1-022098	Handling of INVITE requests that do not contain SDP	Ericsson/ M. Garcia	IMS-CCR	5.2.0	Rel-5	F	24.229	208	1	CR	Revised from 1932	AGREED
7.07	N1-022099	Add charging P-header examples to call flows	Lucent Technologies / Eric Henrikson	IMS-CCR	5.2.0	Rel-5	F	24.228	072	2	CR	Revised from 1927 and 2057. Not available.	WITHDRAWN
7.07	N1-022100	Correction on P-Asserted-Id, P-Preferred-Id, Remote-Party-ID	Nokia	IMS-CCR	5.2.0	Rel-5	F	24.229	239	1	CR	Revised from 2017	AGREED
7.07	N1-022101	Handling of MT call by the P-CSCF	Lucent Technologies / Milo Orsic	IMS-CCR	5.2.0	Rel-5	F	24.229	213	1	CR	Revised from 1937	REVISED TO 2154
7.07	N1-022102	Determination of MO or MT in I-CSCF	Lucent Technologies / Milo Orsic	IMS-CCR	5.2.0	Rel-5	F	24.229	218	1	CR	Revised from 1942	AGREED
7.07	N1-022103	Clarifications of the binding and media grouping	Ericsson / A Monrad	IMS-CCR	5.2.0	Rel-5	F	24.229	175	2	CR	Revised from 1956	POSTPONED
7.07	N1-022104	Clarifications to subclause 9.2.5	Ericsson / A Monrad	IMS-CCR	5.2.0	Rel-5	F	24.229	240		CR	Not presented.	REVISED TO 2137
7.07	N1-022105	Go related error codes in the UE	Ericsson / A Monrad	IMS-CCR	5.2.0	Rel-5	F	24.229	222	1	CR	Revised from 1957	AGREED
7.07	N1-022106	Support of originating requests from Application Servers	Dynamicsoft Andrew Allen	IMS-CCR	5.2.0	Rel-5	F	24.229	179	2	CR	Revised from 1992	AGREED

7.07	N1-022107	AS routing	Nokia	IMS-CCR	5.2.0	Rel-5	F	24.229	243	1	CR	Revised from 2026	AGREED
7.07	N1-022108	Warning header	Nokia	IMS-CCR	5.2.0	Rel-5	F	24.229	245	1	CR	Revised from 2028	AGREED
3	N1-022109	Reply LS on CS data services for GERAN Iu-mode	CN3								LS IN	N3-020838, To:SA2, GERAN2, CN1, CN4	NOTED
3	N1-022110	LS reply on Subscriber or Equipment Trace Impacts	SA2								LS IN	S2-022633, To: CN1, SA5, Cc: CN4, GERAN, RAN2, RAN3	Forwarded to CN1#27
3	N1-022111	LS on QoS parameters Maximum bit rate/Guaranteed bit rate	SA2								LS IN	S2-022635rev1, To: SA4, RAN2, RAN3, Cc: CN1	Forwarded to CN1#27
7.10	N1-022112	Handling of P-Media-Authorization header	Nortel Networks/ Sonia Garapaty	IMS-CCR	5.5.0	Rel-5	F	24.008	680	2	CR	Revised from 1895	POSTPONED
7.10	N1-022113	Handling of P-Media-Authorization header	Nortel Networks/ Sonia Garapaty	IMS-CCR	5.2.0	Rel-5	F	24.229	190	2	CR	Revised from 1896	WITHDRAWN
7.10	N1-022114	Identification of supported IETF drafts within this release	Lucent Technologies / Keith Drage	IMS-CCR	5.2.0	Rel-5	F	24.229	144	2	CR	Revised from 1917	AGREED
7.10	N1-022115	URL and address assignments	Lucent Technologies / Keith Drage	IMS-CCR	5.2.0	Rel-5	F	24.229	203	1	CR	Revised from 1920	AGREED
7.10	N1-022116	Update of the 3GPP-generated SIP P-headers document references	Ericsson/ M. Garcia	IMS-CCR	5.2.0	Rel-5	F	24.229	207	1	CR	Revised from 19931	AGREED
7.10	N1-022117	Flow Identifier Encoding	Nortel Networks/ Sonia Garapaty	IMS-CCR	5.5.0	Rel-5	F	24.008	701	2	CR	Revised from 1960 and 2089	REVISED TO 2159
7.	N1-	Correction to 24.228	Hugh	IMS-	5.2.0	Rel	F	24.2	075	1	CR	Revised	AGREED

10	022118	flows - sections 10.4 and 10.5	Shieh/ AWS	CCR		-5		28				from 1967	
7.10	N1-022119	Correction to 24.228 flows- section 17.5	Hugh Shieh/ AWS	IMS-CCR	5.2.0	Rel-5	F	24.228	076	1	CR	Revised from 1968	AGREED
7.10	N1-022120	Clarifications on CCF/ECF addresses	NEC/Yukio Kawanami	IMS-CCR	5.2.0	Rel-5	F	24.229	223	1	CR	Revised from 1971	AGREED
7.10	N1-022121	Clarifications on dedicated PDP Context for IMS signaling	NEC/Yukio Kawanami	IMS-CCR	5.2.0	Rel-5	F	24.229	225	1	CR	Revised from 1973	REVISED TO 2156
9	N1-022122	LS on SDP information in charging records	Miguel								LS OUT	Linked to 1975. To: SA5, Cc: SA2	AGREED
7.10	N1-022123	Clarifications on the use of charging correlation information	NEC/Yukio Kawanami	IMS-CCR	5.2.0	Rel-5	F	24.229	228	1	CR	Revised from 1981	REVISED TO 2157
7.10	N1-022124	P-CSCF shall not save Record-Route of refreshing requests	Siemens / Georg Mayer	IMS-CCR	5.2.0	Rel-5	F	24.229	238	1	CR	Revised from 1999	AGREED
7.10	N1-022125	P-CSCF procedure tidyup	Lucent Technologies / Keith Drage	IMS-CCR	5.2.0	Rel-5	F	24.229	247	1	CR	Revised from 2033	AGREED
7.10	N1-022126	MESSAGE corrections part 1	Lucent Technologies / Keith Drage	IMS-CCR	5.2.0	Rel-5	F	24.229	249	1	CR	Revised from 2035. Not available.	WITHDRAWN
9	N1-022127	Liaison statement on Interoperability Issues and SIP in IMS	Andrew A./Krisztian								LS OUT	Linked to 1993, 2014 and 2128. To: SA1, SA2, SA3, CN, SA, Cc: SA4, SA5, CN2,CN3, CN4,CN5	REVISED TO 2160
7.10	N1-022128	CN1 comments on the IETF LS	Hannu								DISCUSSION		NOTED
7.10	N1-022129	Indication of successful establishment of Dedicated Signalling PDP context to the UE	Nokia	IMS-CCR	5.2.0	Rel-5	C	24.229	235	2	CR	Revised from 1953 and 2088	AGREED
8.01	N1-022130	CR to 24,841: Inclusion of material to Presence TR lost in replacement at last	Lucent Technologies /	PRESNC	0.1.0	Rel-6		24.841			CR	Revised from 1922	AGREED

		meeting	Keith Drage										
8.0.1	N1-022131	CR to 24.841: Clause 7 revisions	Lucent Technologies / Keith Drage	PRESNC	0.1.0	Rel-6		24.841			CR	Revised from 2038 and 2004	REVISED TO 2158
8.0.1	N1-022132	CR to 3GPP TR 24.841 V0.1.0: Corrections on flow 6.1.2.1 (24.229 part)	Nokia	PRESNC	0.1.0	Rel-6		24.841			CR	Revised from 2005	AGREED
8.0.1	N1-022133	CR to 3GPP TR 24.841 V0.1.0: Proposal for flow 6.1.3.1	Nokia	PRESNC	0.1.0	Rel-6		24.841			CR	Revised from 2006	AGREED
8.0.1	N1-022134	CR to 3GPP TR 24.841 V0.1.0: Proposal for flow 6.1.4.1	Nokia	PRESNC	0.1.0	Rel-6		24.841			CR	Revised from 2007	AGREED
8.0.1	N1-022135	CR to 3GPP TR 24.841 V0.1.0: Proposal for flow 6.1.5.1	Nokia	PRESNC	0.1.0	Rel-6		24.841			CR	Revised from 2008	AGREED
8.0.1	N1-022136	CR to 3GPP TR 24.841 V0.1.0: Proposal for flow 6.2.2.1	Nokia	PRESNC	0.1.0	Rel-6		24.841			CR	Revised from 2009	AGREED
7.0.7	N1-022137	Clarifications to subclause 9.2.5	Ericsson / A Monrad	IMS-CCR	5.2.0	Rel-5	F	24.229	240	1	CR	Revised from 2104	AGREED
8.0.1	N1-022138	CR to 3GPP TR 24.841 V0.1.0: Proposal for flow 6.2.3.1	Nokia	PRES	0.1.0	Rel-6		24.841			CR	Revised from 2010	REVISED TO 2161
8.0.1	N1-022139	CR to 3GPP TR 24.841 V0.1.0: Corrections on flow 6.3.2.1	Nokia	PRESNC	0.1.0	Rel-6		24.841			CR	Revised from 2011	AGREED
8.0.1	N1-022140	CR to 3GPP TR 24.841 V0.1.0: Proposal for flow 6.3.3.1	Nokia	PRESNC	0.1.0	Rel-6		24.841			CR	Revised from 2012	AGREED
8.0.1	N1-022141	CR to 3GPP TR 24.841 V0.1.0: Proposal for flow 6.4	Nokia	PRESNC	0.1.0	Rel-6		24.841			CR	Revised from 2013	AGREED
7.12	N1-022142	Clarification on CCF/ECF addresses	NEC/Yukio Kawanami	IMS-CCR	5.2.0	Rel-5	F	23.218	029	1	CR	Revised from 1969	AGREED
7.12	N1-022143	Clarification on MRFP reference point	NEC/Yukio Kawanami	IMS-CCR	5.2.0	Rel-5	F	23.218	030	1	CR	Revised from 1970	POSTPONED
7.12	N1-022144	Support of originating requests from Application Servers	dynamicsoft, Andrew Allen	IMS-CCR	5.2.0	Rel-5	F	23.218	031	1	CR	Revised from 1991	AGREED
7.	N1-	Addition of	Lucent	IMS-	5.2.0	Rel	F	24.2	048	3	CR	Revised	AGREED

11	022145	tokenization to key	Technologies / Keith Drage	CCR		-5		28				from 1914	
7.11	N1-022146	Removal of editor's notes - clause 1 through 4 and other minor changes	Lucent Technologies / Keith Drage	IMS-CCR	5.2.0	Rel-5	F	24.228	054	3	CR	Revised from 1916	AGREED
7.11	N1-022147	S-CSCF procedure tidyup	Lucent Technologies / Keith Drage	IMS-CCR	5.2.0	Rel-5	D	24.229	246	1	CR	Revised from 2032	AGREED
5	N1-022148	Use of cause #14 in networks using NMO I	Motorola/A.Howell	TEI	6.2.0	R97	F	09.95	007	2	INFO	Revised from 1966 and 2065	AGREED
9	N1-022149	LS on cause value #14 in networks using NMO I	Andrew H.								LS OUT	Linked to 2148. To: GERAN	AGREED
5	N1-022150	Cell barring after Network authentication rejection from the UE	ETSI-NEC Technologies (UK) LTD	Security	3.13.0	R99	F	24.008	705	2	CR	Revised from 2048 and 2073	AGREED
7.03	N1-022151	Corrections to the Path and Service-Route headers	Ericsson, M. Garcia	IMS-CCR	5.2.0	Rel-5	F	24.228	073	2	CR	Revised from 1951 and 2087	AGREED
7.01	N1-022152	Inter-MSC relocation and intersystem handover for multiple codecs	Siemens	TRFO-OOB	5.2.0	Rel-5	F	23.009	084	2	CR	Revised from 1980 and 2078	POSTPONED
9	N1-022153	LS on Call Barring for SMS in PS domain	Igarashi								LS OUT	Linked to 2039. To: SA1. Revised from 2071	AGREED
7.07	N1-022154	Handling of MT call by the P-CSCF	Lucent Technologies / Milo Orsic	IMS-CCR	5.2.0	Rel-5	F	24.229	213	2	CR	Revised from 1937 and 2101	AGREED
3	N1-022155	LS on Review of TR on 3GPP SIP Profile interworking	CN3								LS IN	N3-020881, To: CN1	NOTED
7.10	N1-022156	Clarifications on dedicated PDP Context for IMS signaling	NEC/Yukio Kawanami	IMS-CCR	5.2.0	Rel-5	F	24.229	225	2	CR	Revised from 1973 and 2121	AGREED
7.10	N1-022157	Clarifications on the use of charging correlation information	NEC/Yukio Kawanami	IMS-CCR	5.2.0	Rel-5	F	24.229	228	2	CR	Revised from 1981 and 2123	AGREED
8.0	N1-022158	CR to 24.841: Clause 7 revisions	Lucent Techn	PRESNC	0.1.0	Rel-6		24.841			CR	Revised from	AGREED

1			ologies / Keith Drage									2038, 2004 and 2131	
7.10	N1-022159	Flow Identifier Encoding	Nortel Networks/ Sonia Garapaty	IMS-CCR	5.5.0	Rel-5	F	24.008	701	3	CR	Revised from 1960, 2089 and 2117	AGREED
9	N1-022160	Liaison statement on Interoperability Issues and SIP in IMS	Andrew A./Kriztian								LS OUT	Linked to 1993, 2014 and 2128. To: SA1, SA2, SA3, CN, SA, Cc: SA4, SA5, CN2,CN3, CN4,CN5 Revised from 2127	AGREED
8.01	N1-022161	CR to 3GPP TR 24.841 V0.1.0: Proposal for flow 6.2.3.1	Nokia	PRESNC	0.1.0	Rel-6		24.841			CR	Revised from 2010 and 2138	AGREED

Annex E Liaison Statements OUT

Meeting	TDoc #	Status	Source	Tdoc Title	Type	Comments
N1-26	N1-022051	AGREED	Martti	LS response on subscriber certificates	LS OUT	Linked to 1545. To: SA3
N1-26	N1-022052	AGREED	Miguel	Response LS to “Liaison statement on DTMF”	LS OUT	Linked to 1810. To: SA4, Cc: SA2, CN3, CN4, RAN2, GERAN2
N1-26	N1-022053	AGREED	Miguel	Reply LS on RTCP overhead in SDP bandwidth parameter	LS OUT	Linked to 1872. To: CN3, SA4, Cc: SA2
N1-26	N1-022054	AGREED	Robert	LS on CS data services for GERAN Iu-mode	LS OUT	Linked to 1885. To: SA2, Cc: CN3, GERAN2
N1-26	N1-022055	AGREED	Andrew A.	Response Liaison statement on “IMS Messaging”	LS OUT	Linked to 1886. To: SA1, SA2, Cc: T2
N1-26	N1-022122	AGREED	Miguel	LS on SDP information in charging records	LS OUT	Linked to 1975. To: SA5, Cc: SA2
N1-26	N1-022149	AGREED	Andrew H.	LS on cause value #14 in networks using NMO I	LS OUT	Linked to 2148. To: GERAN

N1-26	N1-022153	AGREED	Igarashi	LS on Call Barring for SMS in PS domain	LS OUT	Linked to 2039. To: SA1. Revised from 2071
N1-26	N1-022160	AGREED	Andrew A./Krisztian	Liaison statement on Interoperability Issues and SIP in IMS	LS OUT	Linked to 1993, 2014 and 2128. To: SA1, SA2, SA3, CN, SA, Cc: SA4, SA5, CN2,CN3, CN4,CN5 Revised from 2127

Annex F Ageed Work Items

None.

Annex G Agreed specifications (TS or TR)

None.

Annex H List of CRs to N1 drafts

TDoc #	Spec	Rel	C_Version	Tdoc Title	Type	WI	Status
N1-021923	24.841	Rel-6	0.1.0	CR to 24,841: Handling of references and Bibiography	CR	PRESNC	AGREED
N1-022130	24.841	Rel-6	0.1.0	CR to 24,841: Inclusion of material to Presence TR lost in replacement at last meeting	CR	PRESNC	AGREED
N1-022132	24.841	Rel-6	0.1.0	CR to 3GPP TR 24.841 V0.1.0: Corrections on flow 6.1.2.1 (24.229 part)	CR	PRESNC	AGREED
N1-022133	24.841	Rel-6	0.1.0	CR to 3GPP TR 24.841 V0.1.0: Proposal for flow 6.1.3.1	CR	PRESNC	AGREED
N1-022134	24.841	Rel-6	0.1.0	CR to 3GPP TR 24.841 V0.1.0: Proposal for flow 6.1.4.1	CR	PRESNC	AGREED
N1-022135	24.841	Rel-6	0.1.0	CR to 3GPP TR 24.841 V0.1.0: Proposal for flow 6.1.5.1	CR	PRESNC	AGREED
N1-022136	24.841	Rel-6	0.1.0	CR to 3GPP TR 24.841 V0.1.0: Proposal for flow 6.2.2.1	CR	PRESNC	AGREED
N1-022139	24.841	Rel-6	0.1.0	CR to 3GPP TR 24.841 V0.1.0: Corrections on flow 6.3.2.1	CR	PRESNC	AGREED
N1-022140	24.841	Rel-6	0.1.0	CR to 3GPP TR 24.841 V0.1.0: Proposal for flow 6.3.3.1	CR	PRESNC	AGREED
N1-022141	24.841	Rel-6	0.1.0	CR to 3GPP TR 24.841 V0.1.0: Proposal for flow 6.4	CR	PRESNC	AGREED
N1-022158	24.841	Rel-6	0.1.0	CR to 24.841: Clause 7 revisions	CR	PRESNC	AGREED
N1-022161	24.841	Rel-6	0.1.0	CR to 3GPP TR 24.841 V0.1.0: Proposal for flow 6.2.3.1	CR	PRESNC	AGREED