

**3GPP TSG CN Plenary Meeting #19
12th - 14th March 2003. Birmingham, U.K.**

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**Meeting Report
TSG CN WG1# 28
Dublin, Ireland
10 - 14 February 2003**

Chairman: Hannu Hietalahti (Nokia)

Secretary: Per Johan Jorgensen (ETSI/MCC)

Host: European 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_28/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

N1-030001 : CN1 chairman, **Title:** Agenda Dublin0302

Discussion : This will continue as a living document in the doc Dublin0302.

The report from last meeting on N1-022391 on speech codec indication by R99 MS was found incomplete and new text as follows was agreed added as correction in this meeting:

"- Those networks which support more speech codes must decode the speech version indication fields
- A mobile which does not support GSM HR but does support more full rate speech versions than GSM FR the (possible) HR support is not indicated in RCR but in speech version indication by e.g. indicating both FR AMR and HR AMR"

The other view on these completing words was that the discussion was closed so if needed a new discussion paper should be brought in.

The plan for 23.218 discussion was on Thursday, but due to interaction with CN4 it will be prioritized.

Conclusion : *Agreed*

N1-030002 : MCC, **Type:** REPORT, **Title:** DRAFT MEETING REPORT v1.0.0, 3GPP TSG-CN#18

Discussion : Only for information.

Conclusion : *Noted*

N1-030003 : MCC, **Type:** REPORT, **Title:** Draft Report for TSG SA meeting #18 - version 0.0.4

Discussion : No comments.

Conclusion : *Noted*

3 Input Liaison Statements

N1-022452 : S3-020579, **To:** CN1, **Cc.:** **Type:** LS IN, **Title:** LS on protected 'user authentication failure' messages and unprotected REGISTER messages

Discussion : SA3 informs about late changes that may have impact on the stage 3 specifications. The CR in S3-020555 has a new requirement that if the UE considers the SA no longer active at the P-CSCF, e.g. after receiving no response to several protected messages, then the UE should send an unprotected REGISTER message. And the CR in S3-020558 has a new requirement that mandates the 'user authentication failure' messages to always be sent protected to the UE.

Forwarded from CN1#27. No related CRs were announced for this meeting, but Ericsson volunteered to provide a document for next N1 meeting.

Conclusion: *Noted*

N1-030029 : GP-023372, **To:** CN1, **Cc.:** **Type:** LS IN, **Title:** Liaison Statement on the addition of frequency ranges

Discussion : CR from GERAN for endorsement. The CR is split out to N1-030161 and a corrected version is provided in N1-030162.

Conclusion: Noted

N1-030030 : GP-023433, **To:** CN1, **Cc:**, **Type:** LS IN, **Title:** LS on " High multislot classes for **Type 1** mobiles"

Discussion : CR from GERAN for endorsement. The CR is split out to N1-030114 and a corrected version is provided in N1-030115.

Conclusion: Noted

N1-030031 : N4-021497, **To:** SA2, **Cc:** CN1 , **Type:** LS IN, **Title:** LS on "Proposed TR for the architectural aspects of early UE handling"

Discussion : No action for CN1. Related LSs in N1-030031, N1-030037, N1-030043 and N1-030106.

Conclusion: Noted

N1-030032 : N4-021499, **To:** SA2, **Cc:** CN1, CN3, **Type:** LS IN, **Title:** LS on list of core IMS specifications for Access Independence

Discussion : No action for CN1.

Conclusion: Noted

N1-030033 : N4-021521, **To:** CN1, SA2, **Cc:**, **Type:** LS IN, **Title:** LS on requirements for one AS to be able to read and/or modify the initial filter criteria of another AS

Discussion : Is AS allowed to update/modify all initial filter criteria or just its own? Is AS allowed to update all sub-parameters of the initial filter criteria or just some specific ones? SA2 reply to this LS is in N1-030054. CN1 voiced concern of this modification possibility which was not allowed through 23.218. This concern will be liaised to CN4.

Conclusion: LS out in 200 by Peter/Siemens

N1-030034 : N4-021525, **To:** SA2, CN3, GERAN2, CN1, **Cc:**, **Type:** LS IN, **Title:** Reply LS on CS data services for GERAN Iu-mode

Discussion : No action for CN1.

Conclusion: Noted

N1-030035 : N4-021566, **To:** SA1; SA2, **Cc:** CN1, T3, **Type:** LS IN, **Title:** LS on Use of E164 numbers for emerging mobile systems

Discussion : No action for CN1.

Conclusion: Noted

N1-030036 : NP-020672, **To:** SA1, SA2, **Cc:** CN1, CN4, **Type:** LS IN, **Title:** LS on SS barring for SMS transfer over GPRS

Discussion : No action for CN1.

Conclusion: Noted

N1-030037 : R3-022557, **To:** RAN2, SA2, CN4, GERAN2, RAN, **Cc:** CN1, SA, **Type:** LS IN, **Title:** REPLY LS on proposed TR for the architectural aspects of early UE handling

Discussion : No action for CN1. Related LSs in N1-030031, N1-030037, N1-030043 and N1-030106.

Conclusion: Noted

N1-030038 : R3-022603, **To:** SA4, CN4, **Cc:** CN1, SA2, RAN2,, **Type:** LS IN, **Title:** Clarification on "Guaranteed Bit Rate in RANAP"

Discussion : No action for CN1.

Conclusion: Noted

N1-030039 : S1-022038, **To:** CN1, SA2, **Cc:** T2, **Type:** LS IN, **Title:** Response LS on “IMS Messaging”

Discussion : SA1 has created **TS 22.340** to capture the IMS Messaging requirements. The messaging requirements will not be maintained in TR 22.940 any longer. The other groups are requested to use 22.340 as the basis for IMS messaging and to review and comment on it. No online review could be done by people should come back on any issue after having studied the new TS.

Conclusion: Noted

N1-030040 : S1-022371, **To:** T3, CN1, **Cc:**, **Type:** LS IN, **Title:** Cleanup of SAT/USAT requirements, 3GPP TS 22.038

Discussion : SA1 asks us to study the attached CRs and to make corresponding changes to CN1 specifications. Is there any CR to this meeting? No. CN action is requested but what can we do after the Release 99/4/5/6 22.038 CRs were forwarded back to SA1 from SA plenary? The chairman will email a comment back to the originator that no action was done in CN1.

Conclusion: Noted

N1-030041 : S2-023540 **To:** SA4, CN1, **Cc:**, **Type:** LS IN, **Title:** LS on Content formats

Discussion : CN1 to specify the means of carrying all the different content formats and types in SIP message bodies taking into account IMS Presence and Messaging services. Is there any CR to this meeting? No. LS in N1-030051 is related. No intention to restrict on content types was foreseen, but a common denominator could be valuable. Should wait for the SA4 specs on the related codec issue. A LS was not seen as achieving anything, but work was expected in the future. The requirements for CN1 to work on would be expected in stage2 docs from SA2 and CN4.

Conclusion: Noted

N1-030042 : S2-023649, **To:** CN, CN1, CN4, **Cc:**, **Type:** LS IN, **Title:** LS on CN related work on 3GPP-WLAN Interworking

Discussion : CN WGs are requested to draft a WID to cover the CN part of WLAN work. Related WID is in N1-030183. Comments on this WID should be collected from the other WGs as well during this meeting.

Conclusion: Noted

N1-030043 : S2-023664, **To:** RAN2, RAN3, CN4, GERAN2, RAN, SA, **Cc:** CN 1, GSMA TWG, **Type:** LS IN, **Title:** LS on Early UE handling

Discussion : No action for CN1. Related LSs in N1-030031, N1-030037, N1-030043 and N1-030106.

Conclusion: Noted

N1-030044 : S2-023677, **To:** SA, CN, **Cc:** SA3, CN1, SA1, T3, **Type:** LS IN, **Title:** Requirement to Allow Access to IMS by Means of SIM in 3G UEs

Discussion : SA2 asks the other groups to study what changes would be needed to allow access to Rel-5 IMS with SIM card. The intention is not to bring SIM specification to Rel-5 but to allow IMS operation with Rel-4 and older SIM cards. The related CRs are N1-030026 – 028. SA3 reply to the LS is in N1-030074. CN1 need to make sure that CRs needed in its area, which is revised to 185 and 186, needs to go separate to CN#19, as a total package for Rel-5 only. When Rel-6 specs are needed after CN#19 this package will be last implemented on Rel-5 specs, after issuing the Rel-6 version.

Conclusion: Noted

N1-030045 : S2-023678rev3, **To:** SA, CN, CN1, SA3, **Cc:**, **Type:** LS IN, **Title:** SA2 response to “Response to IETF LS on Interoperability Issues and SIP in IMS”

Discussion : Old LS from SA2 which was already dealt with in TSGN #18 and TSGS #18 in Dec. 2002.

Conclusion: Noted

N1-030046 : SA3-020697, **To:** CN1, **Cc:**, **Type:** LS IN, **Title:** Presence Security Architecture

Discussion : SA3 reply gives us answers to the questions we asked in N1-022226. Is there any CR to this meeting? N1-030112 and N1-030125 are related contributions to this meeting.

Conclusion: *Noted*

N1-030047 : S5-028619, **To:** RAN, RAN2, RAN3, **Cc:** CN1, CN4, GERAN, SA, SA2, **Type:** LS IN, **Title:** Reply LS on Subscriber and Equipment Trace Impacts

Discussion : No action to CN1.

Conclusion: *Noted*

N1-030048 : S5-028626, **To:** CN, CN1, CN4, GERAN, SA2, **Cc:**, **Type:** LS IN, **Title:** Subscriber and Equipment Trace concepts and requirements

Discussion : Subscriber and equipment trace document TS 32.421 version 2.0.0 was sent for approval to TSG SA #18 in December 2002. No CN1 action.

Conclusion: *Noted*

N1-030049 : SP-020839, **To:** SA1, SA2, SA3, SA4, CN1, **Cc:** CN, CN4, **Type:** LS IN, **Title:** Additional Release 5 work needed for Policy Control and Subscription Control of Media

Discussion : TSGS #18 requests several WGs to study the following issues based on the IETF LS and to draft the necessary CRs by TSGs #19 in March 2003:

1. Definition of default Codecs to be supported by IMS entities (CSCF and UE)
2. Reduce the number of retries needed in E2E codec negotiation to minimise delay.
3. Error handling in the case that UE violates procedures
4. Handling of 488 by non-IMS UEs.
5. Security attacks and confidentiality problems with the 488 message
6. Set of media parameters sent in the 488 message

Is there any CR to this meeting? N1-030071 covers some of these items (item 6), noting that item 5 is out of CN1 scope. Expecting this work identified in the LS to be led by SA2.

Conclusion: *Noted*

N1-030050: S4-030092, **To:** CN1, CN3, **Cc:** SA2, **Type:** LS IN, **Title:** Adoption of SDP bandwidth modifier for RTCP

Discussion : SA4 thanks CN1 for aligning the interpretation of b=AS parameter. SA4 has decided to adopt the "SDP bandwidth modifier for RTCP" RFC in its TS 26.234 and TS 26.236. No action for CN1.

Conclusion: *Noted*

N1-030051 : S4-030096, **To:** SA2, **Cc:** CN1, **Type:** LS IN, **Title:** Reply LS on media codecs and formats for Presence and Messaging

Discussion : No action for CN1.

Conclusion: *Noted*

N1-030052: S1-030241, **To:** CN, CN1, CN4, **Cc:** SA2, **Type:** LS IN, **Title:** LS on control of SS barring for SMS transfer over GPRS

Discussion : SA1 confirm our assumption that the invocation of call barring for SMS is acceptable but that the radio interface procedures for UE control are not needed.

Conclusion: *Noted*

N1-030053: S1-030276, **To:** CN4, **Cc:** SA2, CN1, T3, **Type:** LS IN, **Title:** LS on Use of E164 numbers for emerging mobile systems

Discussion : No action for CN1.

Conclusion: Noted

N1-030054 : S2-030440, **To:** CN1, CN4, **Cc:**, **Type:** LS IN, **Title:** LS Response on requirements for one AS to be able to read and/or modify the initial filter criteria of another AS

Discussion : CN1 reply is needed but let's reply to the original CN4 LS N1-030033. SA2 say that they did not study the update of HSS initial filter criteria by the AS. SA2 see that this may be a difficult issue to solve but also ask for a second opinion from CN1. Comment in N1 was that it is risky to let an AS modify in HSS, and no usecase for this was seen even if this was technically feasible. The intent to allow AS to modify its own initial filter is not covered in 23.218, and CN4 should not take action to implement this without such an update as well. Note this respons and eventual action from CN1 is towards N1-030033.

Conclusion: Noted

N1-030055 : S2-030449, **To:** CN1, **Cc:**, **Type:** LS IN, **Title:** Liaison on partial notification

Discussion : SA2 refers to existing requirement in 23.141 to allow partial notification of changed presence related tuples to optimise the radio interface. Some delegations in SA2 believe that sigcomp is already sufficient enough to make this requirement redundant. SA2 has not agreed on any changes but ask for CN1 quidance. In the CN1#28 meeting the 2 issues was also separated (partial notification or compression),- and it was thought using sigcomp did not seem to harm with smart compression. One foreseen problem was the compressor state information triggered by compressed binary data. It is possible to make a smart compressor which detects large binary data and avoids creating state information for that. However there is no solid figure except for the earlier discussion paper from Ericsson on sigcomp capabilities to support the view, so it comes down to belief. What is the status of partial notification in IETF? Still under discussion, but if decided to use partial notification was taken there so should CN1. It was discussions of wether to send a LS and what it should contain.

Partial notification was seen useful across the radio interface and the usage of compression is a separate issue.

Conclusion: LS out in 202 by Krisztian/Nokia

N1-030056 : T2-030137, **To:** SA2, **Cc:** SA1, CN1, **Type:** LS IN, **Title:** Re: LS on LS on IMS messaging (3GPP TR 22.940)

Discussion : No action for CN1.

Conclusion: Noted

N1-030072 : S1-030247, **To:** CN1, SA2, **Cc:** GERAN2, RAN2, **Type:** LS IN, **Title:** LS on Rel 99 and later Emergency calls in case on UE attached to data only network

Discussion : R99 version of 22.101 contains in subclause 8.1 a Compact GSM related requirement which may be redundant and contradictory with the existing stage 2 and stage 3 specifcations. SA1 is asking SA2 and CN1 to study the related stage 2 & 3 and make a proposal how to proceed.

Proposad in CN1 to remove the text were the procedure is mentioned in stage 1 from R99 to Rel-5, since there is no data only networks after COMPACT was removed. The stage 1 requirement should stay and be solved properly in Rel-6 only.

Conclusion: LS out in 203 by Hannu/Nokia

N1-030073 : S3-020702, **To:** CN1, **Cc:**, **Type:** LS IN, **Title:** Liaison on (IMS) SA handling and the lifetime of old SA pair in Network Initiated Authentication

Discussion : SA3 has approved a change to 33.203 which shortens the lifetime of the old SA in case of re-authentication. Is there any CR to this meeting? Yes in 097 and 099. In CN1 the shortening of the lifetime did not seem to impact any mechanisms already in place in CN1 specs. This was thought not the case since this shortening should not be triggered by the network, and therefore not covered by the CRs in N1-030097 and 099. When reviewing those it will be checked if this LS action to CN1 is covered. The situation is depending on 2 different events and therefore an LS back to describe a possible misunderstanding or complexity in P-CSCF for Notify was agreed sent to SA3. The proposed LS out in 279 was later withdrawn.

Conclusion: *LS out in 279 by Gabor/Nokia*

N1-030074 : S3-020704, **To:** SA, SA1, CN1, CN4, SA2, T3, **Cc:** , **Type:** LS IN, **Title:** LS on Requirement to allow access to IMS by means of SIM

Discussion : SA3 reply to N1-030044 from SA2. SA3 state the obvious limitation to 2G security level but see no reason why IMS access with SIM could not work. SA3 asks T3 and CN1 to check if any changes are needed in the smartcard interface and protocol (identities) respectively. The related CRs are N1-030026 – 028.

Conclusion: *Noted*

N1-030075 : S2-023491rev2, **To:** SA5, **Cc:** CN1, CN3, CN4, **Type:** LS IN, **Title:** Response to LS on Structure of IMS Charging Identifier (ICID)

Discussion : No action for CN1 in this meeting, but after the discussion now going on the details is not known and could come back to CN1 as action.

Conclusion: *Noted*

N1-030076 : S2-023522rev3, **To:** SA5, CN4, **Cc:** CN1, **Type:** LS IN, **Title:** LS Response on Inclusion of CCF/ECF addresses on Sh interface

Discussion : No action for CN1.

Conclusion: *Noted*

N1-030077 : S2-030417, **To:** RAN3, CN1, CN4, GERAN2, **Cc:** RAN2, **Cc:**, **Type:** LS IN, **Title:** LS on QoS for Signalling PDP Context

Discussion : SA2 see that interactive QoS is not sufficient for signaling PDP context and ask RAN 3 to take action. CN1 task is to align with the decisions made in RAN WG before March 2003 plenaries. Do we already know what would be required in CN1 specification? Related CRs in N1-030140 and N1-030141.

Conclusion: *Noted*

N1-030078 : S2-030447, **To:** CN4, **Cc:** CN1, **Type:** LS IN, **Title:** LS on Subscribed Media

Discussion : No action for CN1.

Conclusion: *Noted*

N1-030079 : S2-030452, **To:** CN4, **Cc:** , **Type:** LS IN, **Title:** LS on new MSC address

Discussion : Not intended for CN1.

Conclusion: **Withdrawn**

N1-030106 : RPA-030014, **To:** SA2, CN1, CN4, RAN3, **Cc:** RAN2, GERAN, **Type:** LS IN, **Title:** LS on early UE handling

Discussion : The LS claims that CN1 action is needed but it is already possible for the network to ask for IMEI-SV, so what does CN1 need to change? Related LSs in N1-030031, N1-030037, N1-030043 and N1-030106. Is there any CR to this meeting? No. A transparent container was the only impact on CN1 without affecting UE procedures, so the way this issue seems going do not involve CN1 much. It will be up to the other groups to handle the mechanism for updating the bitmap in the RAN. Do we need to tell anyone that at the moment and at this stage in the discussion CN1 has not identified any action. Yes to RAN2 and CN4 at least.

Conclusion: *LS out in 201 by Kevan/3*

N1-030225 : GP-030322, **To:** GSMA Board, **Cc:** CN1, **Type:** LS IN, **Title:** LS on terminal and network revision interoperability problems

Discussion : TSG GERAN has become aware of certain interoperability problems between R99 UE's and legacy network equipment. These problems have been encountered during the course of testing both GSM/WCDMA and EGPRS-capable UE's against live networks. Related document proposing to start a new TR in N1-030223. Action only for GSMA Board. For CN1 action the result from the board is desired, but for the documentation the issue belongs to 3GPP.

Conclusion : Noted

N1-030226: GP-030372, To: SA1, Cc: RAN2, CN1, SA2, **Type**: LS IN, **Title**: Reply to LS on Rel 99 and later Emergency calls in case on UE attached to data only network

Discussion : GERAN confirms the assumption that stage 1 chapter 8.1 in 22.101 should be aligned with stage 2 and 3. See also LS out in 203.

Conclusion: Noted

N1-030227: GP-030409, To: CN1, Cc:, **Type**: LS IN, **Title**: LS on “MS capability indication of Enhanced Power Control”

Discussion : During GERAN #13 meeting, TSG GERAN has reviewed and endorsed a draft CR to TS 24.008. The CR introduces a mechanism to make use of Enhanced Power Control (EPC) feature, which may increase the capacity in the network for circuit-switched channels. The question on the maximum length of the MS CM 3 IE could not be answered in this meeting. See the 253 which is the endorsed CR split out from this LS.

Conclusion: Noted

4 TSG CN WG1 Work Plan

Show of hands on Monday just after first coffee due to TSGN #18 requested to know the number of :

- *IMS only delegates: 8*
- *cellular (GSM/GPRS) only delegates: 3*
- *delegates interested in both IMS & cellular: 21*

CN1 elections (Tuesday 11.02.2003 at 13:30):

- Chairman candidates
 - Hannu Hietalahti / Nokia (ETSI) Result: Elected by acclamation
- Vice chairman candidates
 - Andrew Howell / Motorola (ETSI) Result: Elected by acclamation
 - Richard Brook / Samsung (ETSI) Result: Elected by acclamation

In the absence of more candidates no formal voting but acclamations was needed.

N1-030004 : MCC, **Type**: LIST, **Title**: CN1 specification responsibility list after plenary#18

Discussion : Do we need any new rapporteurs? Yes, and for 23.218 Keith Drage / Lucent volunteered. Keith was accepted and will go into the spec database as the new rapporteur.

Conclusion : Agreed

N1-030005 : MCC, **Type**: WORKPLAN, **Title**: Latest workplan from January for review

Discussion : Completion rate is 100% for all Rel-5 IETF dependencies, and they may get RFC numbers in front.

Conclusion : Noted

5 Joint sessions

5.1 None

6 Corrections to old releases

6.1 Rel-4 and older releases

N1-030057 : 3, **Type:** DISCUSSION , **Title:** Update to RAU procedure

Discussion : It is proposed to fix the problem by requiring the UE to perform a RAU when re-entering service in the same location area, when in Idle mode. However the CRs will not be presented for agreement due to discussions on N1 exploder and offline. The problem as identified in the discussion document here is not solved however, and the approach is to address the issue in RAN2 and/or 3, and seek a RAN solution to this first. However, the proposed CN protocol RAU / LU solution is how GSM phase 1 used to work. Also this UE behaviour was seen as a serious problem and therefore it was corrected in GSM phase 2 to avoid congesting the cells e.g. at both ends of a busy motorway tunnel with no coverage. The discussion on what happens when the SGSN receives a RAU or SERVICE REQUEST when an Iu connection has already been set up must also be handled in RAN2 first, but will not be part of the LS to be sent. Related LS in N1-030206.

Conclusion : *LS out in 206 by Kevan/3*

N1-030058 : 24.008v3e0 CR#725, 3, **Type:** CR , **Title:** Update to RAU procedure

Discussion :

Conclusion : *Postponed*

N1-030059 : 24.008v490 CR#726, 3, **Type:** CR , **Title:** Update to RAU procedure

Discussion :

Conclusion : *Postponed*

N1-030060 : 24.008v560 CR#727, 3, **Type:** CR , **Title:** Update to RAU procedure

Discussion :

Conclusion : *Postponed*

N1-030066 : 24.008v3e0 CR#728, Orange, **Type:** CR , **Title:** Correction on CC Capabilities IE length

Discussion : In sections 9.3.2, 9.3.23.2, 9.3.23a, the length of CC Capabilities IE is corrected from 3 to 4.

Conclusion : *Agreed*

N1-030067 : 24.008v490 CR#729, Orange, **Type:** CR , **Title:** Correction on CC Capabilities IE length

Discussion :

Conclusion : *Agreed*

N1-030068 : 24.008v560 CR#730, Orange, **Type:** CR , **Title:** Correction on CC Capabilities IE length

Discussion :

Conclusion : *Agreed*

N1-030081 : 23.009v3c0 CR#091, Siemens, **Type:** CR, **Title:** Further clarification of the protocol to the be used on the E-interface

Discussion : The current rules for the radio access protocol to be used on the E-interface in subclauses 7, 8.1, 8.2, and 8.3 do not yet cover: 1) the protocol to be used during handover/relocation execution; 2) the case that MSC-B sends a BSSMAP message Clear-Request or a RANAP message Iu-Release-Request to MSC-A during handover/relocation resource allocation.

Furthermore, for inter-MSC handover, the protocol to be used when a subsequent inter-MSC SRNS relocation has failed, is not specified.

Conclusion : Revised to 292

N1-030292 : 23.009v3c0 CR#091r1, Siemens, **Type:** CR, **Title:** Further clarification of the protocol to be used on the E-interface

Discussion : The earlier agreed version in 081/082/083 was revised in CN4 where these new versions were endorsed.

Conclusion : Agreed

N1-030082 : 23.009v460 CR#092, Siemens, **Type:** CR, **Title:** Further clarification of the protocol to be used on the E-interface

Discussion :

Conclusion : Revised to 293

N1-030293 : 23.009v460 CR#092r1, Siemens, **Type:** CR, **Title:** Further clarification of the protocol to be used on the E-interface

Discussion :

Conclusion : Agreed

N1-030083 : 23.009v530 CR#093, Siemens, **Type:** CR, **Title:** Further clarification of the protocol to be used on the E-interface

Discussion :

Conclusion : Revised to 294

N1-030294 : 23.009v530 CR#093r1, Siemens, **Type:** CR, **Title:** Further clarification of the protocol to be used on the E-interface

Discussion :

Conclusion : Agreed

N1-030084 : 09.08v810 CR# A141, Siemens, **Type:** CR, **Title:** Corrections to the list of BSSMAP messages transferred on the E-interface

Discussion :

1. According to TS 29.010, Note 2 to the table in subclause 4.5.2, the BSSMAP message HANDOVER FAILURE may also be sent from MSC-A to MSC-I (= MSC-B) during subsequent inter-MSC handover back to MSC-A.
2. The CLEAR REQUEST message may also be sent by MSC-T during handover execution, e.g. if the handover fails and the MS reverts to the old channel.
3. According to TS 29.010, subclause 4.5.1, the BSSMAP messages for trace invocation may also be sent from MSC-A to MSC-T during handover resource allocation.

The missing descriptions for 2) and 3) are added in subclauses 5.6 and 5.9. The table in clause 6 is updated. The rapporteur will make a systematic update to the references for the next meeting, since eg. 03.09 does not exist any more in R99.

Conclusion : Agreed

N1-030085 : 49.008v401 CR# 001, Siemens, **Type:** CR, **Title:** Corrections to the list of BSSMAP messages transferred on the E-interface

Discussion :

Conclusion : Agreed

N1-030086: 49.008v500 CR# 002, Siemens, **Type**: CR, **Title**: Corrections to the list of BSSMAP messages transferred on the E-interface

Discussion :

Conclusion : Agreed

N1-030087: 29.108v320 CR# , Siemens, **Type**: INFORMATION, **Title**: Corrections to the list of RANAP messages transferred on the E-interface

Discussion :

1. The Iu RELEASE REQUEST message may also be sent by MSC-T during relocation execution, e.g. if the relocation fails and the MS reverts to the old channel.
2. The RELOCATION FAILURE message may be sent from MSC-A to MSC-I, but not in the opposite direction.
3. The CN INVOKE TRACE message may also be sent from MSC-A to MSC-T during relocation resource allocation.
4. Wrong procedure name in subclause 5.13.
5. CN Deactivate Trace is not indicated as trace related message.

Missing descriptions for 1) and 3) are added in subclauses 5.3 and 5.7. The table in clause 6 is updated.

This TS does not belong to CN1 but to RAN3, and no agreement can be made except for reviewing and commenting, which did not occur.

Conclusion : Noted

N1-030088: 29.108v430 CR# , Siemens, **Type**: INFORMATION, **Title**: Corrections to the list of RANAP messages transferred on the E-interface

Discussion :

Conclusion : Noted

N1-030089: 29.108v520 CR# , Siemens, **Type**: INFORMATION, **Title**: Corrections to the list of RANAP messages transferred on the E-interface

Discussion :

Conclusion : Noted

N1-030116: 24.008v3e0 CR#734, Nokia, **Type**: CR , **Title**: MS RAC for UMTS only terminal

Discussion : The current specification does not allow the UE to indicate any UMTS support without indicating also the support of some GSM band. There seems to be no specified way to build the MS RAC IE for a UMTS-only MS. The other change is removal of unnecessary limitation for the mobile to indicate only one of the upper GSM bands. This was necessary due to conflicting GSM 1800 and GSM 1900 channel numbers before the introduction of BAND INDICATOR in R99.

The discussion in GERAN last week indicated another way forward, and existing UE implementations need to be considered. A feeling from the email discussion was that this was not really a problem. GERAN only noted the document and did not send a LS. The idea of using zero length is not possible due to mandatory element triggering error handling. A new code point was considered dangerous, and a possibility to use an existing code point was indicated. The UE implementers of existing UMTS only terminal could accept a new IE, and that the coding of RAC IE is not so interesting since the core network do not use this information. However an attempt to find out current coding will be investigated. 'Shall either' better be used instead of 'may'.

Conclusion : Revised to 207

N1-030207 : 24.008v3e0 CR#734r1, Nokia, **Type:** CR , **Title:** MS RAC for UMTS only terminal

Discussion : The start of RAC is different to MS CM3 regarding IEI and length. A future CR should clean up this. A LS needs to go to GERAN stating that CN is having their plenary simultaneously and that any comments to the attached CRs should be communicated directly to CN plenary. N1-030207 – 209 need to be submitted to plenary separate of the other CRs due to GERAN endorsement which is asked in the LS. Related LS to GERAN and CC TSGN is in N1-030291.

Conclusion : Agreed

N1-030117 : 24.008v490 CR#735, Nokia, **Type:** CR , **Title:** MS RAC for UMTS only terminal

Discussion :

Conclusion : Revised to 208

N1-030208 : 24.008v490 CR#735r1, Nokia, **Type:** CR , **Title:** MS RAC for UMTS only terminal

Discussion :

Conclusion : Agreed

N1-030118 : 24.008v560 CR#736, Nokia, **Type:** CR , **Title:** MS RAC for UMTS only terminal

Discussion :

Conclusion : Revised to 209

N1-030209 : 24.008v560 CR#736r1, Nokia, **Type:** CR , **Title:** MS RAC for UMTS only terminal

Discussion :

Conclusion : Agreed

N1-030137: 24.002v400 CR#002, Siemens, **Type:** CR, **Title:** Removal of the S reference point within the MS

Discussion : The S reference point has been removed as MS internal interface. This is due to importing a picture from 24.002 without deleting this reference point. MT2 (TA) to be changed to MT2+TA in clause 3. This specification is reference configuration for both GERAN and UTRAN. Is the right reference version used. Related to N3-030056 (27.001-083) for 211 and N3-030057 (27.001-084) for 212

Conclusion : Revised to 211

N1-030211: 24.002v400 CR#002r1, Siemens, **Type:** CR, **Title:** Removal of the S reference point within the MS

Discussion : When working on the revised version it was found out that in the other 3GPP documents the TA is contained within MT, so this needs to be investigated further.

Conclusion : Agreed

N1-030138: 24.002v500 CR#003, Siemens, **Type:** CR, **Title:** Removal of the S reference point within the MS

Discussion :

Conclusion : Revised to 212

N1-030212: 24.002v500 CR#003r1, Siemens, **Type:** CR, **Title:** Removal of the S reference point within the MS

Discussion :

Conclusion : Agreed

N1-030165 : 04.11v610 CR#A027, DoCoMo, **Type:** CR , **Title:** SMS over GPRS disabled

Discussion : Whilst SMS over GPRS is mandatory, some network operators have not enabled this in their networks. This situation creates problems in the MS, since the MS is not properly informed that SMS over GPRS is not enabled in the network. An existing error cause #69 is returned by the network if the network does not allow support the use of GPRS for SMS. The CR mandates the network to send cause #69 when it does not support SMS over GPRS.

The question to CN1 now is to consider going back to R97, which was voiced by some as not necessary.

Conclusion : Postponed

N1-030166 : 04.11v710 CR#A028, DoCoMo, **Type**: CR , **Title**: SMS over GPRS disabled

Discussion :

Conclusion : Postponed

N1-030167 : 24.011v360 CR#025, DoCoMo, **Type**: CR , **Title**: SMS over GPRS disabled

Discussion :

Conclusion : Postponed

N1-030168 : 24.011v411 CR#026, DoCoMo, **Type**: CR , **Title**: SMS over GPRS disabled

Discussion :

Conclusion : Postponed

N1-030178 : Ericsson, **Type**: DISCUSSION , **Title**: TS 27.001 and TS 24.008 misalignment

Discussion : There is a discrepancy between TS 27.001 v.3.11.0 and TS 24.008 v.3.14.0 for Acceptable Channel Codings (ACC) and Maximum Number of Traffic CHannels (MaxNumTCH) parameters interpretation for UTRAN, e.g. in section B.1.3.1.5 of TS 27.001. The correction proposed for CN1 is in 179.

CN3 discussed it this week and agreed that there exists a misalignment.

Conclusion : Noted

N1-030179 : 24.008v3e0 CR#742, Ericsson, **Type**: CR , **Title**: Bearer Capability IE - Misalignment with TS 27.001

Discussion : Planned to introduce the CR in this meeting for information, and study this further for the next meeting.

Conclusion : Postponed

N1-030180 : 24.008v490 CR#743, Ericsson, **Type**: CR , **Title**: Bearer Capability IE - Misalignment with TS 27.001

Discussion : Not available.

Conclusion : Withdrawn

N1-030181 : 24.008v560 CR#744, Ericsson, **Type**: CR , **Title**: Bearer Capability IE - Misalignment with TS 27.001

Discussion : Not available.

Conclusion : Withdrawn

7 Release 5

7.1 Non-IMS Rel-5 corrections

N1-030091 : 23.034v510 CR#008, Siemens, **Type**: CR, **Title**: Use of Nb UP protocol after inter-MS-C handover

Discussion : Since R99 it has been specified in TS 29.007 that "After a handover from a 3G MSC to another 3G MSC the user plane between the anchor MSC and the visited MSC shall comply to the Iu UP protocol if both MSC are connected via an ATM interface", but in R99 the use of ATM at the E-interface was never supported, and the use of the IuUP protocol on the E-Interface was not specified in detail. When in Release 4 the support of ATM at the E-interface was introduced as part of the work item CSSPLIT, the handling in case of two MSCs connected via an ATM interface should have been grouped together with the handling in case of two MSCs or MGWs connected via an ATM interface

or IP interface. Now the standard specifies different bearers and different framing protocols with different directions of initialization for the two cases, but usually the anchor and the visited MSC do not have the necessary information to decide whether there is a MGW in the connection between the anchor and the visited MSC, and consequently which of the two cases applies. It is proposed to delete the option to use the Iu UP protocol at the E-interface and to always use the Nb UP protocol.

Related to N3-030116 (23.910-044r1) / 117 (23.910-045r1) / 118 (29.007-066r1) / 119 (29.007-067r1) on WI CSSPLIT was wanted on the coverage. N3 has agreed their CRs on 23.910 and 29.007 and they should be approved or rejected together in plenary. Are the CRs on same WI code? No, due to different releases (N3 one's starts on Rel-4 and this one is a Rel-5). Iu user plane was only introduced to 23.034 in Rel-5 due to GERAN Iu and therefore the CN1 part of the change is only applicable from Rel-5 onwards even though the CN3 changes are needed from Rel-4 onwards. Use WI from other groups if appropriate, otherwise TEI type.

Conclusion : Agreed

N1-030092 : 24.008v560 CR#731, Siemens, **Type:** CR, **Title:** Support of UMTS authentication by GERAN only terminals

Discussion : According to TS 22.101, v 5.5.0, "In Release 5 and later, terminals supporting only GERAN shall support USIM" (CR 22.101-089).

SA3 have adapted their specification recently. TS 33.102, v 5.1.0, states that a Rel-5+ ME shall be capable of UMTS AKA (CR 33.102-175).

TS 24.008 needs to be aligned with TS 22.101 and TS 33.102, since in a note it is still stated that "a ME supporting only A/Gb mode need not support the USIM interface and in consequence need not support the UMTS authentication algorithm".

'SIM' corresponds to both SIM and USIM in 24.008. Another CR has the same problem area but in 24.228 and 24.229. A CR maybe should do a terminology change throughout the 24.008? UMTS supporting the authentication, the challenge or the algorithm when USIM is inserted? The note can not just be deleted due to a problematic understanding of what is supporting UMTS authentication algorithm.

Conclusion : Revised to 213

N1-030213 : 24.008v560 CR#731r1, Siemens, **Type:** CR, **Title:** Support of UMTS authentication by GERAN only terminals

Discussion : The terms SIM and USIM is separated.

Conclusion : Agreed

N1-030093 : SA3, **Type:** INFORMATION, **Title:** USIM support in GERAN only terminals

Discussion : Only for information.

Conclusion : Noted

N1-030107 : 24.008v560 CR#732, Ericsson, **Type:** CR, **Title:** Support of GERAN only terminals

Discussion : Same as N1-030092. **Not available.**

Conclusion : Withdrawn

N1-030114 : 24.008v560 CR#737, GERAN, **Type:** CR, **Title:** High multislot classes for type 1 mobiles

Discussion : A revision of this original GERAN CR is proposed in N1-030115. Related with LS N1-030030.

Conclusion : Revised to 115

N1-030115 : 24.008v560 CR#737r1, Nokia, **Type:** CR, **Title:** High multislot classes for type 1 mobiles

Discussion : Still 2 places having DTM in the wrong place of the text. The WI should be TEI5. It is a problem of printing out this document. The originator will provide another version for the plenary.

Conclusion : Agreed

N1-030119 : 29.994v501 CR#A017, Nokia, **Type:** CR, **Title:** Proposed extension of the scope of 29.994

Discussion : Replaced by N1-030139 due to advices and GERAN comments to rather create a new TS than change the title and scope of the TR 29.994.

Conclusion : Replaced by 139

N1-030139 : 29.abc Rel-6, Nokia, **Type:** TR, **Title:** Recommended User Equipment (UE) measures to overcome specific infrastructure faults"

Discussion : Proposed new TR. Several network implementation errors have been detected when the testing of R99 UEs. Due to complicated logistics it has not been possible to install corrections to every existing network and therefore the R99 mobiles will not work in those non-updated networks which contain the errors. The intention is not to mandate any specific behaviour but just to document the solutions which have been identified.

Does this go beyond dual mode mobiles? Yes, only the pure UMTS mobile would be safe. GERAN has highlighted these problems to the GSM Association and CN1 is copied on that. It was expressed that this TR is a step in the right direction. Could not the networks be updated instead of leaving the vendors off the hook with these workarounds in the TR, and so never be implemented. Workarounds in the past has not been documented. Different implementations could go into the standards. Normally you can not update the mobiles, but you can with the network. The problem with this is however a delay to get the R99 mobiles on the market in this case. Could the TR have a defined lifetime? Ericsson joined Siemens in not supporting creation of the TR. This workaround in R99 mobiles would be applicable but not mandatory for later mobiles as well. How is this tied to the early UE handling,- a conflict? If this fix is not implemented since it is known, how can we expect early UE to work? Vodafone gave support to the TR. Is 3GPP the right forum to handle this issue? The LS to GSM association should be awaited until they had time to look at this.

Conclusion : Revised to 223

N1-030223 : 29.abc Rel-6, Nokia, **Type:** TR, **Title:** Recommended User Equipment (UE) measures to overcome specific infrastructure faults"

Discussion : Siemens still has the concerns from previous version,- starting with the term recommended measures from the title. Ericsson supported Siemens remarks that this may be seen as a recommendation and that operators would require to implement these workarounds. Alcatel now also expressed the same concern about the proposed TR. O2, Vodafone, Orange, Qualcomm (as MS manufacture) and Motorola supported the TR for Rel-5, and the problems should principally not exist in Rel-6. A TR like this requires a WID. The better way is to raise the issue in an operator forum like GSM Association. A LS without the TR attached could be sent to the plenary. Earlier the 2 out of 3 issues has been raised, but the workarounds has not been discussed earlier and maybe others could have been better. This analysis needs time outside this meeting, and CN1 review can not be claimed since some delegations had not prepared for technical discussion since this TR as a whole was not the way forward. No LS to be sent was requested by some.

Conclusion : Noted and LS out in 290 to CN and GERAN by Hannu/Nokia

N1-030163 : 24.008v560 CR#740, Siemens, **Type:** CR, **Title:** Missing IEI definition in locking shift (CC) IE and non-locking shift (CC) IE

Discussion : In section 10.5.4.2 Locking shift procedure and 10.5.4.3 Non-locking shift procedure the definitions of the IEI have been removed into Annex K as informative. These CC "shift" IEs are (as an exception to all other IEs) never included in the CC message tables of section 9.3, because they may appear at any position in a CC message as defined in section 10.5.4.1. This requires that the IEI is specified not only as "informative".

Is the note 2 more like a requirement? Yes and so 'the may not be used' is not strong enough and could/should be made normative. But earlier versions has the same problem and has so far not created problems.

Conclusion : Revised to 214

N1-030214 : 24.008v560 CR#740r1, Siemens, **Type:** CR, **Title:** Missing IEI definition in locking shift (CC) IE and non-locking shift (CC) IE

Discussion :

Conclusion : Agreed

N1-030164 : 24.008v560 CR#741, Siemens, **Type:** CR, **Title:** Combined RAU successful for GPRS only, missing GMM cause IE

Discussion : In chapter 4.7.5.2.3 Combined routing area updating procedure accepted by the network two cases are described:

- Combined RAU is successful (update result “combined RA/LA”)
- Combined RAU is successful for GPRS only (update result “RA only”)
- For the second case the reject cause values #2, #16, #17 and #22 are described and for all other cause values it is stated that “The combined routing area updating shall be considered as failed for GPRS and non-GPRS services.”
- The case that the SGSN sends the update result “RA only” without the GMM cause IE, which is optional in the RAU ACCEPT message is missing.

The same applies to the Combined GPRS attach procedure in chapter 4.7.3.2.3. It is proposed that in this case the the default MS behaviour shall be applied i.e. that the MS shall consider the combined routing area updating as failed for GPRS and non-GPRS services.

When the reject cause is meaningful it should be there, otherwise not. Then we decide on the error handling. Agreed that it is a case here that we need to cover. What is the most optimal behavior for the UE,- as for #17? From the user perspective both domains are wanted and is the new search the way out?

Conclusion : Revised to216

N1-030216 : 24.008v560 CR#741r1, Siemens, **Type:** CR, **Title:** Combined RAU successful for GPRS only, missing GMM cause IE

Discussion : The original proposal with abnormal procedure was agreed. A reference to IMSI attach is reworded to cover all cases. Due to correction on also the network it was proposed to provide CRs also for pre Rel-5 releases.

Conclusion : Agreed

N1-030253 : 24.008v560 CR#746, Ericsson, **Type:** CR, **Title:** Enhanced Power Control (EPC) information in classmark 3

Discussion : Information coding in MS classmark 3 IE on support of EPC in MS is missing. Should it have been a Rel-5 indication in the CM even though a new feature for that is late. The WI should be as original. Is it GERAN Gb only or is it Iu as well. No problem as it is all transparent. To be checked offline until Friday. GERAN warns about getting short of bits for new features in the maximum 14 octets MS CM3. So an escape route is needed for this event and should be considered as a further enhancement of the protocol. This CR came from LS in 227.

Conclusion : Agreed

7.2 Draft specifications and other documents for information

N1-030006 : Lucent T., **Type:** INFORMATION, **Title:** Summary of current IETF documents on SIPING

Discussion : No further presentations on these summary docs were needed unless any questions. We should start to think about the IETF dependencies to Rel-6. Ultimately it will be what is being inserted in CN1 spec reference list, but a more proactive way does not hurt.

Conclusion : Noted

N1-030007 : Lucent T., **Type:** INFORMATION, **Title:** Summary of current IETF documents on SIP

Discussion :

Conclusion : Noted

N1-030008 : Lucent T., **Type:** INFORMATION, **Title:** Summary of current IETF documents on MMUSIC

Discussion :

Conclusion : Noted

N1-030126 : Ericsson, Lucent, Vodafone, **Type:** INFORMATION, **Title:** RFC 3455

Discussion : Provided for information

Conclusion : Noted

7.3 IMS Registration

N1-030019 : Lucent T., **Type:** INFORMATION, **Title:** An analysis of the requirements for the Security-Client header

Discussion :

Conclusion : Not available.

N1-030020 : Lucent T., **Type:** INFORMATION, **Title:** An analysis of the requirements for the Security-Server header

Discussion :

Conclusion : Not available.

N1-030021 : Lucent T., **Type:** INFORMATION, **Title:** An analysis of the requirements for the Security-Verify header

Discussion :

Conclusion : Not available.

N1-030022 : 24.229v530 **CR#295**, Lucent T., **Type:** CR, **Title:** Security agreement inclusion in SIP profile

Discussion :

Conclusion : Not available.

N1-030023 : 24.229v530 **CR#296**, Lucent T., **Type:** CR, **Title:** Profile references relating to registration

Discussion : Clause 5.1.1 contains a reference to the profile which is meant to be a reference to the UA role major capability relating to client procedures for registration. However the reference is incorrect. Clause 5.5.1 also contains references to the profile which is meant to be a reference to the UA role major capability relating to client procedures for registration. This reference is also incorrect. Additionally there is a reference that is meant to be to the major capability for registrar behaviour. This reference is probably no longer necessary.

Conclusion : Agreed

N1-030094 : 24.229v530 **CR#302**, Siemens, **Type:** CR, **Title:** Correction of the registration state event package

Discussion : Re-authentication request is indicated, using <registration> element(s) with the state attribute set to "active" and the event attribute set to "shortened" for a public user identity instead of using state attribute "terminated" and event attribute "probation". Thus, it is clarified that the public user id is still active and can be used, whereas if the user id is indicated as terminated, it would be unclear how the UE shall behave e.g. when a session is established using that public user id. Additionally, the <contact> element of an automatically registered public user ids should be indicated as "state=active" and "event=created" rather than just using "event=registered".

The expiry value is an operator choice but could be 600sec or less. Is it only initial registration time that is fixed to 600sec? Authentication is now or in the time advised by the network? What is the UE reaction to receiving the described message, the value and triggering? Use correct intends.

Conclusion : Revised to 220

N1-030220 : 24.229v530 **CR#302r1**, Siemens, **Type:** CR, **Title:** Correction of the registration state event package

Discussion : Correction to the notification about registration state and network initiated re-authentication request using the registration state event package. What is the 'appropriate time'? As derived from the reference, and not as described in 5.1.1.4. Better delete the 'appropriate time' or by 'for appropriate time see 5.1.1.4'?

Conclusion : Revised to 268

N1-030268 : 24.229v530 **CR#302r2**, Siemens, **Type:** CR, **Title:** Correction of the registration state event package

Discussion :

Conclusion : Agreed

N1-030095 : 24.228v530 **CR#097**, Siemens, **Type: CR, Title:** Correction of the registration state event package

Discussion : Accept and Content-Type header were changed to value "application/reginfo+xml". The message body of the NOTIFY messages are changed according to draft-sipping-reg-event-00.

Several points were made requiring an update to this CR.

Conclusion : *Revised to 221*

N1-030221 : 24.228v530 **CR#097r1**, Siemens, **Type: CR, Title:** Correction of the registration state event package

Discussion : Missed some change from terminated to active.

Conclusion : *Revised to 269*

N1-030269 : 24.228v530 **CR#097r2**, Siemens, **Type: CR, Title:** Correction of the registration state event package

Discussion :

Conclusion : *Agreed*

N1-030096 : 24.229v530 **CR# 303**, Lucent T., **Type: CR, Title:** Contact header in initial registration

Discussion : Contact header and associated note is currently specified in the user-initiated re-registration subclause. However, the same text is missing in the initial registration subclause. In addition, the two notes pertaining to the S-CSCF reducing the registration lifetime are misspelled.

In 5.5.1.2 add 'or FQDN'. Not 'inverse lookup' but 'reverse lookup'. Tdoc 191 addresses the same issue. The agreeable parts is included in the revision of 191.

Conclusion : *Rejected and agreeable parts are in 222*

N1-030097 : 24.229v530 **CR# 304**, Lucent T., **Type:CR, Title:** SAs lifetimes in P-CSCF

Discussion : Not presented.

Conclusion : *Revised to 210*

N1-030210 : 24.229v530 **CR# 304r1**, Lucent T., **Type:CR, Title:** SAs lifetimes in P-CSCF

Discussion : The SAs between the UE and P-CSCF is established upon registration of first public user identity, and it should be deleted upon completion of deregistration of the last public user identity (irrespective if this deregistration was caused by user-initiated deregistration, network-initiated deregistration, or expiration of the registration lifetime). Step 6. incorrectly states "update the SIP level lifetime of the security association with the value found in the Expires header;" since this value may be smaller than the expiration-value of some other previously registered public user identity (that is using the same SA).

Using the expires header in step 6 only if it is longest among all. Doesn't the last paragraph of the CR require the P-CSCF to remember the expires timer for all public user identities even if step 6 is removed? The SA's will get out of sync since according to 5.1.1.4 the UE shall store the new expiration time for the registration for this public identity. Not a problem caused by this CR but the UE requirement to delete or to keep the old SA in case of failed re-authentication is not clear since 5.1.1.5.1 only covers the 200 OK timeout case, but no authentication failure at either end.

Conclusion : *Revised to 280*

N1-030280 : 24.229v530 **CR# 304r2**, Lucent T., **Type:CR, Title:** SAs lifetimes in P-CSCF

Discussion : Not all sections are aligned if this CR is agreed. Contributions will be provided to next CN1 meeting.

Conclusion : *Postponed*

N1-030098 : 24.229v530 **CR#305**, Lucent T., **Type: CR, Title:** User initiated de-registration at P-CSCF

Discussion : Currently the subclause 5.2.5.1 specifies that - upon receiving the 200 OK for the deregistration of the last registered public user identity - the P-CSCF shall remove the SAs toward the UE. However, based on the RFC 3261, the SAs should be removed after the transaction handling this request has terminated.

As not a part of the CR it should be clarified what it means to cancel a subscription,- silent cancellation.

Conclusion : Revised to 228

N1-030228 : 24.229v530 **CR#305r1**, Lucent T., **Type:** CR, **Title:** User initiated de-registration at P-CSCF

Discussion : The SA abbreviation is not to be used. If the subscription is still alive, terminate it.

Conclusion : Revised to 295

N1-030295 : 24.229v530 **CR#305r2**, Lucent T., **Type:** CR, **Title:** User initiated de-registration at P-CSCF

Discussion :

Conclusion : Agreed

N1-030099 : 24.229v530 **CR#306**, Lucent T., **Type:** CR, **Title:** Network-initiated deregistration at S-CSCF.

Discussion : Added the text indicating that the S-CSCF shall send NOTIFY request to the P-CSCF after notifying the UE. Related to 196 (where the discussion took place) and 172.

Conclusion : Revised to 229

N1-030229 : 24.229v530 **CR#306r1**, Lucent T., **Type:** CR, **Title:** Network-initiated deregistration at S-CSCF.

Discussion : Sentence on reason code to be deleted due to no change to the RFC mentioned here. N1-030099, N1-030172 and N1-030196 are related

Conclusion : Revised to 296

N1-030296 : 24.229v530 **CR#306r2**, Lucent T., **Type:** CR, **Title:** Network-initiated deregistration at S-CSCF.

Discussion :

Conclusion : Agreed

N1-030100 : 24.229v530 **CR#307**, Lucent T., **Type:** CR, **Title:** UE deregistration during established dialogs

Discussion : Currently, it is specified that the SAs between the UE and P-CSCF are removed upon the lifetime expiration or deregistration of all public user identities. This will result in the loss of the "signalling channel" between the UE and the P-CSCF. Therefore, there should not be any dialogs in existence upon the lifetime expiration or deregistration of all public user identities.

Before expiration of the lifetime the re-registration should take place, and this contradicts what is written here. Is this procedure as a total adding anything to existing network procedures. Keep the UE behavior to cancel its dialog before deregistering. What does 'served user' mean here? Even with this UE requirement the S-CSCF must police the expiration of registration.

Conclusion : Revised to 231

N1-030231 : 24.229v530 **CR#307r1**, Lucent T., **Type:** CR, **Title:** UE deregistration during established dialogs

Discussion : Change to the cover page is needed, on rev. number.

Conclusion : Revised to 297

N1-030297 : 24.229v530 **CR#307r2**, Lucent T., **Type:** CR, **Title:** UE deregistration during established dialogs

Discussion :

Conclusion : Agreed

N1-030101 : 24.229v530 **CR#308**, Lucent T., **Type:**CR, **Title:** S-CSCF handling of deregistration during established dialogs

Discussion : Currently, it is specified that the SAs between the UE and P-CSCF are removed upon deregistration of all public user identities. This will result in the loss of the "signalling channel" between the UE and the P-CSCF. Therefore, the UE should release all dialogs in prior to deregistering all public user identities. If the S-CSCF receives a

deregistration request for the last registered public user identity - while there are still active dialogs associated with this user - the S-CSCF should reject the request, release all dialogs, and deregister the UE.

The analysis is found strange making the network saying no to a UE deregistration. Should mandate a tearing down for this abnormal situation.

Conclusion : Revised to 232

N1-030232 : 24.229v530 CR#308r1, Lucent T., **Type:CR**, **Title: S-CSCF handling of deregistration during established dialogs**

Discussion : What about the P-CSCF when receiving the Notify, is it hanging? Remove the bullets. It should be in both directions. Shall a BYE be sent to the lost user also? Agreed to delete the bullets.

Conclusion : Revised to 298

N1-030298 : 24.229v530 CR#308r2, Lucent T., **Type:CR**, **Title: S-CSCF handling of deregistration during established dialogs**

Discussion :

Conclusion : Agreed

N1-030102 : 24.229v530 CR#309, Lucent T., **Type:CR**, **Title: S-CSCF handling of established dialogs upon deregistration**

Discussion : Text indicating that - prior to network-initiated deregistration of the last public user identity - the S-CSCF shall release all dialogs belonging to this user, except the dialog which will be used to send the NOTIFY request to the UE.

How to identify the dialog ? Terminate the dialogs belonging to this user subscribing to this reg-event package clarifies. A criteria for deciding the dialog is needed since it can be different sources, and also that it is for Invite dialogs.

Conclusion : Revised to 233

N1-030233 : 24.229v530 CR#309r1, Lucent T., **Type:CR**, **Title: S-CSCF handling of established dialogs upon deregistration**

Discussion :

Conclusion : Agreed

N1-030103 : 24.229v530 CR#310, Lucent T., **Type:CR**, **Title: S-CSCF handling of established dialogs upon registration-lifetime expiration**

Discussion : Since the SAs between the UE and the P-CSCF are removed upon the expiration of the registration-lifetime of all public user identities (resulting in loss of the "signalling channel" toward the served user), the S-CSCF should release all dialogs toward the far end.

Must say that it is for Invite dialogs.

Conclusion : Revised to 234

N1-030234 : 24.229v530 CR#310r1, Lucent T., **Type:CR**, **Title: S-CSCF handling of established dialogs upon registration-lifetime expiration**

Discussion : Same revisions as commented for 232 applies here. The result is the same but the cause is different.

Conclusion : Revised to 299

N1-030299 : 24.229v530 CR#310r2, Lucent T., **Type:CR**, **Title: S-CSCF handling of established dialogs upon registration-lifetime expiration**

Discussion :

Conclusion : Agreed

N1-030104 : 24.229v530 CR#311, Lucent T., **Type:CR**, **Title:** P-CSCF handling of established dialogs upon registration-lifetime expiration

Discussion : Currently the document 24.229 does not specify the action that the P-CSCF should take when all public user identities have been deregistered and there are still active dialogs associated with the user.

This should be regarded an error case and what could the P-CSCF do? As described. Tear down the signalling and not the PDP context. Should not GGSN be contacted about the dialogs being terminated,- and Go is optional for Rel-5. The revised CR should be taken to the CN3 meeting this week as well to get their opinion.

Conclusion : Revised to 235

N1-030235 : 24.229v530 CR#311r1, Lucent T., **Type:CR**, **Title:** P-CSCF handling of established dialogs upon registration-lifetime expiration

Discussion :

Conclusion : Agreed

N1-030105 : 24.229v530 CR#312, Siemens, **Type:CR**, **Title:** Correction of Authentication procedure

Discussion : Related to 171 but can be treated separate. During Authentication procedure first AUTN and RAND have to be extracted, then validation of the AUTN is performed and thereafter the parameters CK, IK and RES are derived.

RES is calculated on the smart card. 33.203 to be referenced?

Conclusion : Revised to 240

N1-030240 : 24.229v530 CR#312r1, Siemens, **Type:CR**, **Title:** Correction of Authentication procedure

Discussion : No collision with the SIM changes CR.

Conclusion : Agreed

N1-030171 : 24.229v530 CR#327, Ericsson, **Type:CR**, **Title:** Cleanup and clarification to the registration and authentication procedure

Discussion : Introduction of consistant wording, population of header fields is reorganised, but no headers are removed. Removal of duplicated text. As P-Access-Network-Info header is described in subclause 5.1.2A 'Generic procedures applicable to all methods' it is removed from other subclauses. Clarification of text for barred TMPU.

The UE should not reveal to the user the TMPU.

Conclusion : Revised to 241

N1-030241 : 24.229v530 CR#327r1, Ericsson, **Type:CR**, **Title:** Cleanup and clarification to the registration and authentication procedure

Discussion : Collisions were detected after the document were agreed and that part should be taken out from this.

Conclusion : Revised to 282

N1-030282 : 24.229v530 CR#327r2, Ericsson, **Type:CR**, **Title:** Cleanup and clarification to the registration and authentication procedure

Discussion :

Conclusion : Agreed

N1-030172 : 24.229v530 CR#328, Ericsson, **Type:CR**, **Title:** Corrections to the reg event package

Discussion : A SUBSCRIBE shall be sent prior to and not after an expiry to ensure that a service continuity is ensured. It is noted that the last public user identity is removed, a NOTIFY will not be received by the UE as the SA is removed.

It was argued that this should not be specified, but it seems not possible to avoid due to eg. out of coverage, this error case can occur. However the possibility for the case should be minimized. The last note is incorrect regarding 200 OK for network initiated deregistration. N1-030099, N1-030172 and N1-030196 are related.

Conclusion : Revised to 230

N1-030230: 24.229v530 CR#328r1, Ericsson, **Type:CR, Title:** Corrections to the reg event package

Discussion :

Conclusion : Agreed

N1-030190: 24.228v530 CR#102, Nokia, **Type: CR, Title:** General update to clauses 6 and 16

Discussion : The example flows shown in 24.228 are quite missaligned with the procedures specified in 24.229. The following aspects have been identified:

- Header stripping
- P-Access-Network-Info header is missing
- comp=sigcomp parameter is not present in any flow
- Port number used in IPsec not present in URIs and Via header values
- Security-Verify header not present in subsequent requests, as mandated by RFC 3329
- There is no differentiation on MO/MT S-CSCF addresses required by 24.229

Additionally, text needs to be added related to the authorization of the SUBSCRIBE request.

After receiving the Invite it needs some edition to Subscribe, plus some more editorials. Tick the ME box. Is it a procedure in 24.229 that Subscribe is sent from B-CSCF? Probably not, and should normally be the way to introduce it.

Conclusion : Revised to 242 and the related 24.229 CR is in 243

N1-030242: 24.228v530 CR#102r1, Nokia, **Type: CR, Title:** General update to clauses 6 and 16

Discussion : Discussion on what portnumber are used in P-CSCF.

Conclusion : Revised to 283

N1-030283: 24.228v530 CR#102r2, Nokia, **Type: CR, Title:** General update to clauses 6 and 16

Discussion : Depends of 24.229 CR in 284 and they should be linked. 283 goes in a separate package to the plenary.

Conclusion : Agreed

N1-030243: 24.228v530 CR#341, Ericsson, **Type: CR, Title:** P-CSCF subscription to reg event

Discussion : Removed the condition of the P-CSCF to inspect the Service-Route header to build a Route header. Added the condition for the P-CSCF to find the home network entry point (I-CSCF).

Could a little reference to RFC3263 be added to how it is done ? Yes.

Conclusion : Revised to 284

N1-030284: 24.228v530 CR#341r1, Ericsson, **Type: CR, Title:** P-CSCF subscription to reg event

Discussion :

Conclusion : Agreed

N1-030191: 24.229v530 CR#335, Nokia, **Type: CR, Title:** Usage of Contact in UE's registration procedure

Discussion : Missing Contact header description in UE's initial registration and deregistration procedure description.

Tdoc 096 addresses the same issue. The highest queue value procedure can be adopted. What about introducing the case with 2 contact headers with expiry 0 and something. In Rel-5 we do not have registration handover. Use the style of 5.1.1.3 and take the agreeable parts from 096.

Conclusion : Revised to 222

N1-030222: 24.229v530 CR#335r1, Nokia, **Type: CR, Title:** Usage of Contact in UE's registration procedure

Discussion : Comments from earlier on both? documents were not made.

Conclusion : Revised to 281

N1-030281 : 24.229v530 **CR#335r2**, Nokia, **Type:** CR, **Title:** Usage of Contact in UE's registration procedure

Discussion : Comments from earlier on both(?) documents were not made.

Conclusion : *Agreed*

N1-030195 : 24.229v530 **CR#339**, Nokia, **Type:** CR, **Title:** Authorization for registration event package

Discussion : There is no clear specification how the S-CSCF authorizes the subscribers for the registration event package.

Who has the right to subscribe to the reg event package? Are the 3 bullets doing a limitation? Do editorial rewordings.

Conclusion : *Revised to 244*

N1-030244 : 24.229v530 **CR#339r1**, Nokia, **Type:** CR, **Title:** Authorization for registration event package

Discussion : What about the use of 'and' and ';'. Add ; and.

Conclusion : *Revised to 285*

N1-030285 : 24.229v530 **CR#339r2**, Nokia, **Type:** CR, **Title:** Authorization for registration event package

Discussion :

Conclusion : *Agreed*

N1-030196 : 24.229v530 **CR#340**, Nokia, **Type:** CR, **Title:** Correction on S-CSCF behaviour when all public user identities of the UE has been deregistered

Discussion : Clarification on S-CSCF's behavior (notifier of the event package) when all public user identities of the UE has been deregistered: S-CSCF shall terminate the UE's subscription to the reg event package by sending a NOTIFY request with Subscription-State:terminated.

Related to 099 and 172. At what time is the action taken, and when is the 2 Notify's sent? Proposal to merge 099 and this CR into one in 229. A timer after deregistration is not recommended by SA3? How to correlate the 2 Notify transactions, or is it? P-CSCF should not use a state here but only rely on the S-CSCF. What needs to be assured is to have the SA still there when the Notify arrives in P-CSCF. Also related to 172 CR where the Notify is received in UE without existing SA.

Conclusion : *Rejected and partly merged into the revision 229.*

N1-030197 : 23.218v530 **CR#042**, Nokia, **Type:** CR, **Title:** Correction related to implicit public user identities in third party REGISTER

Discussion : Clause 9.4.3 indicates that third party REGISTER from S-CSCF to AS may carry implicit public user identities. Text is not needed as implicit public user identities are carried in NOTIFY request after AS has subscribed for the registration state event package.

Conclusion : *Agreed*

7.4 IMS Call initiation

N1-030025 : 24.229v530 **CR#298**, Lucent T., **Type:**CR, **Title:** S-CSCF general procedure corrections

Discussion :

Conclusion : *Not available.*

N1-030070 : 24.228v530 **CR#096**, Orange, **Type:**CR, **Title:** Correction in MO flows of the place of Resource Reservation block

Discussion : The resource reservation block in some MO flows is not situated at the correct step (in some flows, the figure is not correct but the details of the flows are correct). The calling terminal has to start Resource Reservation without waiting wait for the 200OK of the PRACK message.

The reservation problem is also treated in the discussion document from Ericsson in 123, and it can only be triggered after the SDP is received. Await the outcome of 199 (revision of 123) discussion. After that discussion this CR seemed not needed since all agreed working assumptions from that document will be implemented in on CR to 24.228..

Conclusion : Withdrawn

N1-030071 : 24.229v530 **CR#300**, Orange, **Type:CR**, **Title:** 488 message with a subset of allowed media parameters

Discussion : In LS Tdoc N1-030049 from SA plenary meeting #18, bullet 6 indicates that CN1 shall allow that only a subset of the allowed media parameters could be inserted in the 488 message (instead of all allowed media parameters).

Commented that the possibility for matching is reduced by using only a subset. The subset is meant to be of the whole package and not the received lot. It is configured in P-CSCF and not necessarily the home network, but the operator owning the P-CSCF. The same change is needed for S-CSCF.

Conclusion : Revised to 245

N1-030245 : 24.229v530 **CR#300r1**, Orange, **Type:CR**, **Title:** 488 message with a subset of allowed media parameters

Discussion :

Conclusion : Agreed

N1-030080 : 24.229v530 **CR#301**, Nokia, **Type: CR**, **Title:** Handling of Emergency Numbers in P-CSCF

Discussion : Not presented.

Conclusion : Revised to 239

N1-030239 : 24.229v530 **CR#301r1**, Nokia, **Type: CR**, **Title:** Handling of Emergency Numbers in P-CSCF

Discussion : Further clarification is needed for how the P-CSCF handles the emergency numbers as received from the UE (Release 5 specific). Local numbers can directly be recognized, for all numbers from other networks, the P-CSCF needs to interpret MCC/MNC.

Too much text but in the co-operative spirit of 3gpp some enthusiastic support was given. No number,- just the setup.

Conclusion : Agreed

N1-030120 : 24.228v530 **CR#098**, Ericsson, **Type: CR**, **Title:** General update to clauses 7 and 8

Discussion : The example flows shown in 24.228 are quite misaligned with the procedures specified in 24.229. The following aspects have been identified.

- According to 24.229, the P-CSCF must not strip away headers.
- comp=sigcomp parameter is not present in any flow
- Port number used in IPsec not present in URIs and Via header values
- Wrong Request-URIs in ACK and CANCEL

Security-Verify header not present in subsequent requests, as mandated by RFC 3329

Comments need to be incorporated.

Conclusion : Revised to 247

N1-030247 : 24.228v530 **CR#098r1**, Ericsson, **Type: CR**, **Title:** General update to clauses 7 and 8

Discussion :

Conclusion : Agreed

N1-030121 : 24.228v530 **CR#099**, Ericsson, **Type: CR**, **Title:** General update to clauses 17 and 18

Discussion : 189 does not need to be dealt with if this CR is agreed. The example flows shown in 24.228 are quite misaligned with the procedures specified in 24.229. The following aspects have been identified.

- According to 24.229, the P-CSCF must not strip away headers.
 - comp=sigcomp parameter is not present in any flow
 - Port number used in IPsec not present in URIs and Via header values
 - Wrong Request-URIs in ACK and CANCEL
- Security-Verify header not present in subsequent requests, as mandated by RFC 3329

P-called party header correction, and some other editorial issues needs to be made.

Conclusion : Revised to 248

N1-030248 : 24.228v530 CR#099r1, Ericsson, **Type:** CR, **Title:** General update to clauses 17 and 18

Discussion :

Conclusion : Agreed

N1-030122 : 24.228v530 CR#100, Ericsson, **Type:** CR, **Title:** General update to clause 10

Discussion : Clause 10 in 24.228 has not been updated for long time. There are still references to all non-standard SIP headers. The section requires an update according to the following main issues:

- The P-CSCF does not strip away headers
- Privacy is supplied for the Asserted-Identity, according to RFC 3323 and RFC 3325
- comp=sigcomp parameter is not present in any flow
- Port number used in IPsec not present in URIs and Via header values
- Security-Verify header not present in subsequent requests, as mandated by RFC 3329

Due to the lack of update of this clause in the past, some subclause may have become obsolete according to the current working assumptions documented in 24.229.

COMET is still in a picture. 10.2.2.-2 needs to do changes by removing privacy header.

Conclusion : Revised to 249

N1-030249 : 24.228v530 CR#100r1, Ericsson, **Type:** CR, **Title:** General update to clause 10

Discussion :

Conclusion : Agreed

N1-030123 : Ericsson, **Type:** DISCUSSION , **Title:** Missing updates

Discussion : Not presented.

Conclusion : Revised to 199

N1-030199 : Ericsson, **Type:** DISCUSSION , **Title:** Missing updates

Discussion : This document discusses and tries to get a pre-agreement on some missing issues that need to be fixed. Instead of providing a general update that may be controversial, this document discusses the remaining open issues and establishes a basement for the forthcoming updates.

Only needed one or 4 example(s) of the media flow request responded with 488 on both P-CSCF and on S-CSCF with and without PRACK. The resource reservation time in the 2 cases as proposed was also agreed. It is proposed in issue 3 to choose the port number as the mechanism to differentiate between the originating and the terminating leg, and this was discussed. It was noted that by using IPsec between CSCFs (optional) the port number can not be used. One solution or another to be used in all the cases should be chosen. The use of either IPsec tunnel or IP tunnel is important here. Maybe another solution could be done only for security associations. User name part of the URI to be used? If the ICID will contain a globally unique identifier the "generated-at" parameter must be removed. This issue 4 can not be resolved before earliest next meeting. Issue 5 on IPSec algorithms might be needed in all the Security-Client headers is left for further information. Issue 6 to update the flows to include the DTMF payload in SDP was agreed. Last issue 7 to update the flows to include the RTCP bandwidth modifier in SDP needs some changes to 24.229, possibly to be done together for this meeting. Confirmation on issue 3 are still open. Agreed to use the user name of URI.

The online editing agreement text is as follows:

Proposal 1, media & codec rejection:

- Add a new clause to 24.228 to indicate call flows for media and codec rejection.
- It was agreed that one reject case from each entity which may decide to reject will be shown (P-CSCF, S-CSCF, S-CSCF, P-CSCF)

Proposal 2, resource reservation at UE:

- Proposal to add new call flow to 24.228 where the UE indicates multiple codecs for media flows so that the PRACK will also have to contain SDP.

Proposal 3, determination of the originating side:

- Agreed to use the user name part of the URI instead of the port number to distinguish between originating and terminating messages.

Proposal 4, privacy of ICID:

- ICID may contain some information which would be in conflict with the principles of privacy, if requested by the user.
- Considering to remove 'generated-at' parameter from all ICID instances but CN1 can not take a decision yet before seeing the corresponding SA5 CRs.

Proposal 5, missing registration updates:

- No discussion or decisions on proposal 5.

Proposal 6, DTMF payload in SDP packets.

- Agreed to add the DTMF payload to SDP packets as proposed.

Proposal 7, RTCP bandwidth modifier

- Agreed to include the RTCP bandwidth modifier to SDP in call flows
- Additionally 24.229 seems to be impacted, at least to add a reference to an RFC. Both changes should be done for the same CN1 meeting.

The originator was requested to draft a 24.228 CR based on these working assumptions.

Conclusion : Noted

N1-030127 : 24.229v530 CR#313, Ericsson, **Type:** CR, **Title:** Mixed Path header and Service-Route operation

Discussion : The UE builds a preloaded Route header upon the contents received in the Service-Route (at registration). The Service-Route header shall contain the indication of mobile originating or mobile terminating side. Currently the text refers to the Path header instead of the Service-Route. This comes from long time ago when the Path header was bidirectional. But now the Path header is unidirectional only. The Service-Route is used to convey information from the registrar to the UE instead. 192 is on exactly the same issue.

Conclusion : Agreed

N1-030130 : 24.229v530 CR#314, NEC, **Type:** CR, **Title:** Clarifications on S-CSCF procedures for accessing AS

Discussion : The current text is not described regarding the use of service key as one of parameters for ISC interface. In the case that the request is not the initial request from the user, it is not clearly described whether contacting AS from S-CSCF may be skipped depending on the implementation matter.

To insert a new element in the body from S-CSCF to AS is against current assumption and IETF alignment. It was stated that the CR was not needed as the principal is wrong and that the only acceptable part is covered in a Lucent CR. The other issue is extending the Rel-5 feature and therefore not acceptable, but needs to be looked at in the future.

Conclusion : Rejected

N1-030131 : 24.229v530 CR#315, NEC, **Type:** CR, **Title:** Clarifications on updating the authorization token

Discussion : Not presented.

Conclusion : **Revised to 215**

N1-030215 : 24.229v530 CR#315r1, NEC, **Type**: CR, **Title**: Clarifications on updating the authorization token

Discussion : It is clarified that the QoS authorization is always updated when any subsequent SDP is received at P-CSCF and need to be authorized during offer/answer session.

What is QoS authorisation, and where does it take place? What is wrong implementation stated on the cover? If it is related to Go interface then 24.229 is the wrong place to state requirements.

Conclusion : **Revised to 255**

N1-030255 : 24.229v530 CR#315r2, NEC, **Type**: CR, **Title**: Clarifications on updating the authorization token

Discussion :

Conclusion : **Agreed**

N1-030132 : 24.229v530 CR#316, NEC, **Type**: CR, **Title**: Clarification on ASs within Trusted domain

Discussion : In 4.4 and 5.7.1.4, it is added that ISC interface is applied also through public IP network if ASs is within trust domains. It is also added If AS is located outside the trust domain, AS has additional functionality such as protocol mapping.

Every AS must implement clause 5. The scenarios was believed already covered in existing text. The new text is either contradictory to third-party or at least not clarifying.

Conclusion : **Rejected**

N1-030156 : 24.229v530 CR#323, Lucent T., **Type**: CR, **Title**: P-Access-Network-Info procedure corrections for the UE

Discussion : Any REGISTER request that includes the P-Access-Network-Info header must be sent using the security association. The ACK and CANCEL methods are explicitly excluded from the requests and responses in which the P-Access-Network-Info header can be included. The text in clause 7 is made descriptive, because clause 5 already contains these requirements fully detailed.

Some restructuring as eg. move to generic procedures was proposed, which would avoid overlapping CRs on clause 7.

Conclusion : **Revised to 250**

N1-030250 : 24.229v530 CR#323r1, Lucent T., **Type**: CR, **Title**: P-Access-Network-Info procedure corrections for the UE

Discussion :

Conclusion : **Agreed**

N1-030157 : 24.229v530 CR#324, Lucent T., **Type**: CR, **Title**: P-Access-Network-Info procedure corrections for the S-CSCF

Discussion : The S-CSCF procedures relating to the retention and removal of the P-Access-Network-Info header are reversed. Further procedures are provided in regard to responses to requests. Clarification update requested.

Conclusion : **Revised to 251**

N1-030251 : 24.229v530 CR#324r1, Lucent T., **Type**: CR, **Title**: P-Access-Network-Info procedure corrections for the S-CSCF

Discussion :

Conclusion : **Agreed**

N1-030173 : 24.229v530 CR#329, Ericsson, **Type**: CR, **Title**: Correction of SDP for the UE

Discussion : Related to 160 on some issues. Sufficient resources may already be available. Due to this, it is not always necessary to state that preconditions are not fulfilled.

It is possible to indicate as proposed but changing the procedure. Even more than the 2 possibilities exists, and these needs elaboration regarding when to use what. An operator wanted only local policy. How can the UE know that local policy does not apply. It can not and signals according to its expectation and get responses as appropriate. If you do not have Go and use a general purpose PDP context the spec does not require to indicate preconditions local none, but can have the resources available. The gain in time by introducing this flexibility was questioned.

Conclusion : Postponed

N1-030174 : 24.229v530 CR#330, Ericsson, **Type:** CR, **Title:** Clarifications for setting up separate PDP contexts in case of SBLP

Discussion : If SBLP apply to a SIP session, a P-Media-Authorization header is sent in the 183 (Session Progress) or INVITE. In such situations, a separate PDP context must be set up. This is not specified in the text except in NOTE2 in subclause 9.2.1. The NOTE2 is removed and replaced by normative text in the proper subclause (9.2.5). Clause 9.2.5 is reorganised to improve readability.

The CR in 136 is affecting the same text. By restricting the authorization token per PDP context instead of per session we could not include a video added to an already established voice session. But the UE would establish the PDP context when receiving the initial session. And the UE should never look at the token which can be changed during a session.

Conclusion : Revised to 252

N1-030252 : 24.229v530 CR#330r1, Ericsson, **Type:** CR, **Title:** Clarifications for setting up separate PDP contexts in case of SBLP

Discussion : Should note 2 be made normative with a reference to 29.207? Together with some other editorials.

Conclusion : Revised to 288

N1-030288 : 24.229v530 CR#330r2, Ericsson, **Type:** CR, **Title:** Clarifications for setting up separate PDP contexts in case of SBLP

Discussion :

Conclusion : Agreed

N1-030175 : 24.229v530 CR#331, Ericsson, **Type:** CR, **Title:** Handling of the P-Media-Authorization header

Discussion : In the example flows in 24.228 as well as the normative text of 24.229 it is clearly stated that the UE shall transparently pass the media authorization token received from the P-CSCF.

To ensure that the policy control is local to the access – i.e. is handled between the P-CSCF and the UE, possible media authorization tokens received from the S-CSCF is seen as an error condition, and shall be removed by the P-CSCF.

Further, the error situation where several instances of the P-Media-Authorization is received is handled by the UE as described. It is clarified that only the first instance of the P-Media-Authorization header is received and returned by the UE. Multiple instances are ignored by the UE. This will give a predictable behaviour in the UE.

If it comes in a response would it not trigger the error handling. If needed it should not be in clause 5 but with an Invite clause. If received it should not be in the same request, meaning that multiple is meant to be within one message. How to differentiate if it is the first or multiple token? Use the 'shall' word? The situation can be for both originating and terminating. Better delete the note.

Conclusion : Revised to 254

N1-030254 : 24.229v530 CR#331r1, Ericsson, **Type:** CR, **Title:** Handling of the P-Media-Authorization header

Discussion : If the UE receives several media authorization tokens are received from the P-CSCF must be contained to be within one message. When the P-CSCF receives any request or response containing the P-Media-Authorization header from the S-CSCF, the P-CSCF shall remove the header,- should it be changed to stopping it in the S-CSCF? No.

Conclusion : Revised to 289

N1-030289 : 24.229v530 CR#331r2, Ericsson, **Type:** CR, **Title:** Handling of the P-Media-Authorization header

Discussion :

Conclusion : Agreed

N1-030176: 24.229v530 CR#332, Ericsson, **Type:** CR, **Title:** Change of IP address for the UE

Discussion : Not presented.

Conclusion : Revised to 238

N1-030238: 24.229v530 CR#332r1, Ericsson, **Type:** CR, **Title:** Change of IP address for the UE

Discussion : If the UE change the IP address while registered to IMS, the UE shall perform a new registration with the new IP-address. This CR focus on re-registration due to privacy. Registration due to e.g. changes caused by GPRES is not considered in this CR. This requirement is outlined in 23.228 subclause 4.5 as follows: If an UE acquires a new IP address due to changes triggered by the GPRS/UMTS procedures or by changing the IP address according to [7], the UE shall re- register in the IMS by executing the IMS registration

Considered new capability in Rel-5 was voiced. But the issue needs to be addressed in 24.229 or the risk is that implementers may do 'errors' here. Doing it as proposed is one possibility and can be implemented, but other ways are under discussion as well.

Conclusion : Postponed

N1-030177: 24.229v530 CR#333, Ericsson, **Type:** CR, **Title:** Removal of P-Asserted-Identity from clause 7 of 24.229

Discussion : Not presented.

Conclusion : Revised to 246

N1-030246: 24.229v530 CR#333r1, Ericsson, **Type:**CR, **Title:** Removal of P-Asserted-Identity from clause 7 of 24.229

Discussion : P-headers described in existing RFCc are removed from subclause 7.2. The additional information needed for IMS is moved to subclause 7.2A.

The CR should update the references to these chapters throughout the document. No impact box is ticked. 024 proposes changes to the section now deleted, so that is also revised.

Conclusion : Revised to 286

N1-030286: 24.229v530 CR#333r2, Ericsson, **Type:**CR, **Title:** Removal of P-Asserted-Identity from clause 7 of 24.229

Discussion : Here is the place to introduce the P-CSCF/PDF terminology.

Conclusion : Revised to 310

N1-030310: 24.229v530 CR#333r3, Ericsson, **Type:**CR, **Title:** Removal of P-Asserted-Identity from clause 7 of 24.229

Discussion :

Conclusion : Agreed

N1-030182: 24.229v530 CR#334, Lucent T., **Type:** CR, **Title:** P-CSCF general procedure corrections

Discussion : As a result of an interaction between CRs approved for this version, the text of a number of paragraphs in 5.2.6.4 contains extra items, which duplicate the subsequent main text. These extra items require removal.

Conclusion : Agreed

N1-030189: 24.228v530 CR#101, Nokia, **Type:** CR, **Title:** Correction on 17.3.2

Discussion : Related to 121 dealing with the same items.

Conclusion : Withdrawn

N1-030192: 24.229v530 CR#336, Nokia, **Type:** CR, **Title:** Correction related to MO/MT selection in S-CSCF

Discussion : This document solves the same issue as 127 and only one of them can survive.

Conclusion : Withdrawn

N1-030193 : 24.229v530 CR#337, Nokia, **Type:** CR, **Title:** Usage of P-Asserted-Identity for responses

Discussion : 24.229 is not clear how P-CSCF generates P-Asserted-Identity header for responses.

Conclusion : Agreed

N1-030194 : 24.229v530 CR#338, Nokia, **Type:** CR, **Title:** Addition of missing Privacy descriptions to 24.229

Discussion : Not presented.

Conclusion : Revised to 236

N1-030236 : 24.229v530 CR#338r1, Nokia, **Type:** CR, **Title:** Addition of missing Privacy descriptions to 24.229

Discussion : 24.229 misses network elements' procedure description required by RFC 3323.

This CR is in conflict with another joint contribution from Lucent/Ericsson. The discussion earlier around privacy was only on privacy -id before any draft was stable enough. The privacy extensions are not a part of Rel-5. SA2 should also first guide on where to put the privacy functionalities. Why did we have the privacy draft as a dependency if we do not use it? Yes we use it for the privacy header etc. The B2BUA as required by the draft could be allowed in the AS but not in the S-CSCF. But the whole issue was argued to be a Rel-6 issue. Stage2 on encryption was questioned as well.

Conclusion : Revised to 256

N1-030256 : 24.229v530 CR#338r2, Nokia, **Type:** CR, **Title:** Addition of missing Privacy descriptions to 24.229

Discussion : Seems not to be according to the offline discussions. Especially the privacy requirement on AS is not acceptable since it is not even a requirement in Rel-6 yet. The end to end encryption is also still not acceptable. Services has not been standardised in 3gpp, so why try to do it for presence now.

Conclusion : Rejected

7.5 IMS Call clearing

None.

7.6 Other IMS issues

N1-030014 : Lucent T., **Type:** INFORMATION, **Title:** An analysis of the requirements for the P-Asserted-Identity header

Discussion : This contribution analyses the requirements of the P-Asserted-Identity header with a view to completing the Annex A tables within 3GPP TS 24.229.

Why should P-Asserted-Identity be mandatory in the UE? It must be mandatory to receive. 24.229 do not have a procedure to support the header in BYE and NOTIFY. But is this in conflict with the event draft regarding the NOTIFY? The relation to CLIP service support was tried clarified,- mandatory to implement but not to use.

Conclusion : Noted

N1-030015 : Lucent T., **Type:** INFORMATION, **Title:** An analysis of the requirements for the P-Preferred-Identity header

Discussion : This contribution analyses the requirements of the P-Preferred-Identity header with a view to completing the Annex A tables within 3GPP TS 24.229.

Conclusion : Noted

N1-030016 : Lucent T., **Type:** INFORMATION, **Title:** An analysis of the requirements for the Privacy header

Discussion : This contribution analyses the requirements of the Privacy header with a view to completing the Annex A tables within 3GPP TS 24.229. The only values within the Privacy header supported within 3GPP, are "id", "critical" and "none". This is represented by appropriate values within the new major capabilities. The only privacy options supported within 3GPP is therefore "id".

What is 'critical'? National requirements to consider here, due to regulatory requirements to be able to apply privacy if requested by the user? It will be considered offline if a LS to SA1 is needed, after studying the stage 1 in 22.228 to see what the real UE requirements are. Earliest response time seems to be in August CN1 meeting due to the SA1 meeting schedule.

Conclusion : Noted

N1-030017 : 24.229v530 CR#293, Lucent T., **Type:** CR, **Title:** Network asserted identity procedure corrections for the UE

Discussion : The text introducing the privacy in 5.1.2A.1 and 5.1.2A.2 are aligned, such that they refer to the P-Asserted-Identity header generated by the P-CSCF, rather than the P-Preferred-Identity.

The last note talking about privacy is not about privacy header and should be called user privacy, warning the user about what he/she inserts. The reference to RFC3323 does not indicate that all needs to be implemented, and the profile about this is contributed in 018. Requested to mention this in normal text. The originator of 236 proposed that CR agreed and note 2 and note 3 here deleted. The discussion from yesterday was repeated about introducing new features or not in Rel-5 with that CR. Only MUSTs? N1-030300 (revision of 018) and N1-030256 (revision of 236) are different proposal for handling privacy.

Conclusion : Revised to 261

N1-030261 : 24.229v530 CR#293r1, Lucent T., **Type:** CR, **Title:** Network asserted identity procedure corrections for the UE

Discussion :

Conclusion : Agreed

N1-030018 : 24.229v530 CR#294, Lucent T., **Type:** CR, **Title:** Asserted identity inclusion in SIP profile

Discussion : Currently the SIP profile in Annex A refers only to the Anonymity header and the Remote-Party-ID header, which are both obsolete. These headers need replacing with the headers defined in RFC 3325 (May 2002): "Private Extensions to the Session Initiation Protocol (SIP) for Network Asserted Identity within Trusted Networks" and RFC 3323 (May 2002): "A Privacy Mechanism for the Session Initiation Protocol (SIP)".

For the time being the entries in the right hand column in tables should be blanked out for the rows where 3GPP agreement is not reached. Is row 25 optional instead of mandatory.

Conclusion : Revised to 300

N1-030300 : 24.229v530 CR#294r1, Lucent T., **Type:** CR, **Title:** Asserted identity inclusion in SIP profile

Discussion : Improvement but not the last CR in this area.

Conclusion : Agreed

N1-030026 : 24.228v530, CR#094, T-Mobile, **Type:** CR, **Title:** Allowing IMS access with SIM

Discussion : Not presented, but updated due to emaildisc. Related with LS N1-030044.

Conclusion : Revised to 185

N1-030185 : 24.228v530, CR#094r1, T-Mobile, **Type:** CR, **Title:** Allowing IMS access with SIM

Discussion : Inclusion of the SA1 requirement to allow IMS access using a SIM in 3G UEs, following the authentication option selected by SA3#26.

No flow seems needed as the feature is optional,- however changes to make distinction between SIM and USIM etc. regarding eg. MAC and SQN is needed in the example flows. 6.2 was not intended deleted. Status on the IETF discussion is understood as no action needed towards IETF but use Digest. The proposal triggered a related discussion

on whether it is mandatory or optional for Rel-5 mobile to support the SIM interface. The current stage 3 specification assumes it is mandatory and if the intention is to make it optional then further CRs on at least 23.122, 24.229 and 24.008 are needed. This question exists whether or not the IMS access with SIM card is approved.

Conclusion : Revised to 257

N1-030257 : 24.228v530, **CR#094r2**, T-Mobile, **Type: CR**, **Title: Allowing IMS access with SIM**

Discussion : These CRs are Rel-5 only. If N1-030257 and N1-030258 are agreed then they must be submitted to plenary separated for creation of Rel-6 versions of 24.228 and 24.229. These two CRs are the CN1 part of IMS access with SIM task which TSG SA #18 asked the WGs to study.

Conclusion : Agreed

N1-030027 : 24.229v530, **CR#299**, T-Mobile, **Type: CR**, **Title: Allowing IMS access with SIM**

Discussion : Not presented, but updated due to emaildisc. Related with LS N1-030044.

Conclusion : Revised to 186

N1-030186 : 24.229v530, **CR#299r1**, T-Mobile, **Type: CR**, **Title: Allowing IMS access with SIM**

Discussion : The usage of SIM within the UE is introduced. The references to UE behavior are clarified.

Could the figure from the discussion document be introduced as introduction in 24.229? No interaction between ISIM and SIM/USIM was seen needed described in the CR. Change of the header title was found acceptable for this first release of the specification, but not for a Rel-6 version.

Conclusion : Revised to 258

N1-030258 : 24.229v530, **CR#299r2**, T-Mobile, **Type: CR**, **Title: Allowing IMS access with SIM**

Discussion : Should it be stated that ISIM shall be used if present or only use reference to stage 1 on these requirements. It was assumed that UICC and SIM cards will not be present in one mobile simultaneously. If requirement can not be done on this also the normative requirements to use USIM here is not the proper place either? 5.1.1.2 misses the word 'from'. Here in stage 3 the 'shalls' is related to fetching the parameters or what?

Conclusion : Agreed

N1-030028 : T-Mobile, **Type: DISCUSSION**, **Title: Allowing IMS access with SIM**

Discussion : Related with LS N1-030044. Not presented.

Conclusion : Revised to 219

N1-030219 : T-Mobile, **Type: DISCUSSION**, **Title: Allowing IMS access with SIM**

Discussion : Related with LS N1-030044. The conversion function guaranties for the IMS access that the UE behave as were a UICC inserted. The modifications are not visible towards the network, except the HSS where the conversion function is also available.

It seems as SIM support is mandatory in Rel-5, but this could be dealt with looking at newest 22.101 or a LS to SA. 24.008 CR were questioned as needed due to authentication and SQN, depending on SIM being mandatory or not. CN1 shall only provide the technical basis for the plenary to accept the whole package or not.

Conclusion : Noted

N1-030124 : Ericsson, **Type: DISCUSSION**, **Title: Use of SIP Security Agreement in IMS**

Discussion : This document reviews the latest changes in SIP Security Agreement draft before it was accepted as RFC 3329. The document introduces two remaining open issues that are related to the use of the mechanism in IMS. 3GPP-IETF interoperability, and backwards compatibility within 3GPP context are promoted. Recommendations for CN1 actions are given. The proposal is to adopt the extended encoding of the Security-Verify header as in example B. The UE shall always signal its support for both HMAC-SHA-1-96 and HMAC-MD5-96 IPsec algorithms. The P-CSCF shall signal (Security-Server) only one of the algorithms.

It was argued that P-CSCF sending only one algorithm was against the RFC. This turned into interpreting what static mens. No CRs are done yet, and the discussion was for the benefit of a coming one. Agreed the first proposal. Concern that the second proposal may not be according to RFC 3329. And the discussion continues offline.

Conclusion : Noted

N1-030133 : 24.229v530 CR#317, NEC, **Type:** CR, **Title:** The principles of the usage of SIP/SDP

Discussion : The note in the current scope is very important information for the readers. The content of note may be overlooked by readers if the location of note is as it is. Thus it should be moved to clause 4 General. As for the principles of the usage of SIP/SDP, it is not clear the usage of SIP/SDP is also applied to subset of IM CN subsystem.

Considered a not relevant CR to Rel-5 since it is not changing implementation and it was not seen as a clarification. The earlier note was intended within the scope and for aspects not within IMS scope.

Conclusion : Rejected

N1-030134 : 24.229v530 CR#318, NEC, **Type:** CR, **Title:** Consideration of P-CSCF/PDF

Discussion : In Rel-5, several sentences are ambiguous regarding procedure of policy control information or gprs charging information due to the requirement of the colocation of PDF and P-CSCF. However, Rel-5 29. 207 is already taken into account the separation of P-CSCF/PDF. Thus, from Rel-5, it is necessary to change the sentences as shown below because of the alignment with 29.207 and readability of users. In 4.5.1 overview, it is modified to explain this requirement. In 4.5.3, it needs to modify the several sentences, by reflecting the above requirement. In 7.2.6.2, it is also necessary to change the several sentences, being aligned with the above requirements.

Keep the first change and reverse all other changes made. A not defined interface, but why would we need to distinguish between P-CSCF and PDF if the interface between is not defined? This information is given in the reference to 23.002, and duplications should be avoided.

Conclusion : Revised to 264

N1-030264 : 24.229v530 CR#318r1, NEC, **Type:** CR, **Title:** Consideration of P-CSCF/PDF

Discussion : The separation is in different functional entities, but how it is treated as irrelevant to the spec. Use 'in this version of the specification' instead of 'release'? No. A CR collision needs a solution to the term P-CSCF/PDF or not. Use P-CSCF/PDF.

Conclusion : Revised to 307

N1-030307 : 24.229v530 CR#318r2, NEC, **Type:** CR, **Title:** Consideration of P-CSCF/PDF

Discussion :

Conclusion : Agreed

N1-030135 : 24.229v530 CR#319, NEC, **Type:** CR, **Title:** Clarification on GPRS charging information

Discussion : In 4.5, there is misalignment on the terminology of access network charging with other subclause. GPRS charging information is only used for correlation between bearer (PDP context) and session. Correlation between IP flow and session is not supported in this version of the document. The current specification in 7.2.6 does not specify the use case where the dedicated PDP context is used for both SIP signalling and media flows. Other minor changes are proposed.

Different comments to be taken into account in the revision. Last sentence is contradictory to existing understanding.

Conclusion : Revised to 265

N1-030265 : 24.229v530 CR#319r1, NEC, **Type:** CR, **Title:** Clarification on GPRS charging information

Discussion : Earlier assumption from CN3 is to send all in a container, but no decisions seems done and it could be a SA5 issue instead. How is it sent to P-CSCF then,- and it must have come from GGSN ?

Conclusion : Revised to 308

N1-030308 : 24.229v530 CR#319r2, NEC, **Type:** CR, **Title:** Clarification on GPRS charging information

Discussion :

Conclusion : Agreed

N1-030136 : 24.229v530 CR#320, NEC, **Type:** CR, **Title:** Clarifications of media flow procedure

Discussion : In 9.2.1, It is clarified that the UE may use a dedicated PDP context for carrying media flows depending on the local policy. For a general purpose PDP context used for carrying media flows, it is clarified that policy control is done under SIP signalling bearer over Go interface. It is clarified that in case that the dedicated PDP context is not available due to, for example heavy traffic, the general purpose PDP context may also carry IM CN subsystem signalling flag.

First change in 9.2.1 was found not correct since signalling PDP context can not be used for media. Also the change in general purpose PDP context is questionable since we don't know and don't need to know which PDP context configuration will be more 'usual'. Referencing to informative note from normative text would make the status of the note very unclear. The additional text in note 2 is not suitable for informative note. If 'dedicated PDP context' means signaling PDP context then also the second change is incorrect. And after all debating of the understanding and correctness of the changes the CR was proposed rejected.

Conclusion : Rejected

N1-030140 : 24.008v560 CR#738, Vodafone, **Type:** CR, **Title:** Signalling PDP Context Indication to Core Network

Discussion : Not presented.

Conclusion : Revised to 204

N1-030204 : 24.008v560 CR#738r1, Vodafone, **Type:** CR, **Title:** Signalling PDP Context Indication to Core Network

Discussion : Currently the RAN cannot determine the difference between Interactive traffic and IMS signalling traffic. This may limit the reliability/speed of IMS signalling and have other negative effects. In order for the RAN to determine that the traffic is IMS signalling, the core network needs to know at PDP context activation time. A flag is added to the QoS IE in the UE to CN signalling.

Signalling priority indicator became the name. Since the response from the SGSN when the flag is set differently than requested the UE is not supposed to do anything, and therefore it was proposed to state 'ignore' in the network to UE direction in the QoS IE. Could it be used later in the future the flag could be changed from ignoring in this version of the release to something new. The same concern goes for GGSN when receiving this flag, - or what to set. There is a possibility for misuse of priority QoS PDP context if the UE sets the priority flag when it should not set it. To avoid this, the network should be prepared to detect inappropriate priority signaling requests from the UE. Related with LS N1-030077. The two CRs should be kept separate from the other CRs since there is also related RAN work ongoing. SA2 have already agreed corresponding CR on 23.107.

Conclusion : Revised to 266

N1-030266 : 24.008v560 CR#738r2, Vodafone, **Type:** CR, **Title:** Signalling PDP Context Indication to Core Network

Discussion : Even though CN1 has done their part of the changes it is still open if 29.061 and 29.060 needs to be modified with related CRs.

Conclusion : Agreed

N1-030141 : 24.229v530 CR#321, Vodafone, **Type:** CR, **Title:** Signalling PDP Context Indication to Core Network

Discussion : Not presented.

Conclusion : Revised to 205

N1-030205 : 24.229v530 CR#321r1, Vodafone, **Type:** CR, **Title:** Signalling PDP Context Indication to Core Network

Discussion : It is stated that when requesting a dedicated signalling PDP context, the UE shall set the Signalling Indication flag in the QoS IE.

Reinstate 'only' as commented, and probably not needed with the descriptive text. The UE will not have a special behavior when receiving the negotiation response. It was believed that CN3 and/or CN4 might need to look at the case

where the UE do not use this dedicated PDP context for signalling, - as a GGSN requirement to block this bad UE behavior. It was believed that a consistent package on this feature would be evaluated simultaneously including the problem that the network needs to rely on the UE to not misuse this flag on general purpose PDP contexts.

Conclusion : Revised to 267

N1-030267 : 24.229v530 CR#321r2, Vodafone, **Type:** CR, **Title:** Signalling PDP Context Indication to Core Network

Discussion : Link all related CRs by CR#s on the cover page so they can be easily identified at the plenary.

Conclusion : Agreed

N1-030149: Lucent T., **Type:** INFORMATION, **Title:** An analysis of the requirements for the P-Associated-URI header

Discussion : Not presented.

Conclusion : Noted

N1-030150: Lucent T., **Type:** INFORMATION, **Title:** An analysis of the requirements for the P-Called-Party-ID header

Discussion : Not presented.

Conclusion : Noted

N1-030151: Lucent T., **Type:** INFORMATION, **Title:** An analysis of the requirements for the P-Visited-Network-ID header

Discussion : Not presented.

Conclusion : Noted

N1-030152: Lucent T., **Type:** INFORMATION, **Title:** An analysis of the requirements for the P-Access-Network-Info header

Discussion : Not presented.

Conclusion : Noted

N1-030153: Lucent T., **Type:** INFORMATION, **Title:** An analysis of the requirements for the P-Charging-Function-Addresses header

Discussion : Not presented.

Conclusion : Noted

N1-030154: Lucent T., **Type:** INFORMATION, **Title:** An analysis of the requirements for the P-Charging-Vector header

Discussion : Not presented.

Conclusion : Noted

N1-030155 : 24.229v530 CR#322, Lucent T., **Type:** CR, **Title:** 3GPP P-header inclusion in SIP profile

Discussion : The 3GPP P-headers are currently not included in the SIP profile, although other P-headers are. For consistency and completeness, these headers should be included in the profile.

Conclusion : Postponed

N1-030158 : 24.229v530 CR#325, Nokia, **Type:** CR, **Title:** Usage of P-Asserted-Identity and P-Preferred-Identity headers

Discussion : P-Asserted-ID header has been updated and a new subclause on P-Preferred-ID has been added.

Why is step 10 added if it is according to the RFC? Because 8 and 9 is also. In section 4 it is described what to do when passing the trusted domain. Changes to 7.2 is withdrawn.

Conclusion : Revised to 259

N1-030259 : 24.229v530 CR#325r1, Nokia, **Type:** CR, **Title:** Usage of P-Asserted-Identity and P-Preferred-Identity headers

Discussion : Privacy is applied in S-CSCF. The override option was requested to be given more thought. Workaround to the IETF draft to take care of national requirements in both P-CSCF and S-CSCF.

Conclusion : Postponed

N1-030159 : 24.229v530 CR#326, Nokia, **Type:** CR, **Title:** Updating user agent related profile tables

Discussion : 24.229 mandates the UE to subscribe to the registration event package after a successful registration. This implies that the support of the SUBSCRIBE/NOTIFY is mandatory for the UE.

Probably a better change is to have 'o' going to 'c8' instead of 'm', or a new condition?

Conclusion : Revised to 260

N1-030260 : 24.229v530 CR#326r1, Nokia, **Type:** CR, **Title:** Updating user agent related profile tables

Discussion :

Conclusion : Agreed

N1-030160 : Nokia, **Type:** DISCUSSION, **Title:** Session setup for non-real time media components

Discussion : Terminals may be used in the future for real-time and/or non-real time services. In case a terminal will only be used for non-real time services, some of the extensions currently mandatory in TS 24.229 are not necessarily needed. E.g., a terminal capable only for setting up messaging sessions, gaming sessions or using SUBSCRIBE/NOTIFY for presence document download/upload, will not need to implement RFC3312 (Integration of Resource Management and SIP). Analysis of the IETF dependencies and proposal to update the 24.229 PICS tables accordingly.

The profiles talk about support and not about the use. The discussion document has a UE view only. It was said that even background PDP context (eg. to be used by a UE for games) needs to have service provisioned and a resource with QoS reserved. This would apply at least to issues 1 to 3. Discussion on whether steps 1, 2 and 3 are optional or conditional depending on the support of RT services in the UE. SBLP could be applied or not to eg 4. N1-030149 to 155 deals with part of the issues raised in this discussion documents. N1-030160 and N1-030173 are partly on the same issue.

Conclusion : Noted

7.7 Minor IMS issues

N1-030012 : 24.229v530 CR#291, Lucent T., **Type:** CR, **Title:** Minor correction and consistency changes to general part of profile

Discussion :

Conclusion : Agreed

N1-030013 : 24.229v530 CR#292, Lucent T., **Type:** CR, **Title:** SIP profile minor correction and consistency changes

Discussion :

Conclusion : Agreed

N1-030024 : 24.229v530 CR#297, Lucent T., **Type:** CR, **Title:** Reference corrections

Discussion : 024 proposes changes to the section now deleted in 286, so the earlier agreed CR in 024 had to be revised.

Conclusion : Revised to 287

N1-030287 : 24.229v530 CR#297r1, Lucent T., **Type:** CR, **Title:** Reference corrections

Discussion : Some mistakes spotted after the document was already agreed, regarding references.

Conclusion : Revised to 301

N1-030301 : 24.229v530 CR#297r2, Lucent T., **Type:** CR, **Title:** Reference corrections

Discussion :

Conclusion : Agreed

N1-030069 : 24.228v530 CR#095, Orange, **Type:** CR, **Title:** Correction of tag indication in section 17.2.2.1

Discussion :

Conclusion : Withdrawn

7.8 IMS: 23.218

N1-030128 : 23.218v530 CR#040, NEC, **Type:** CR, **Title:** Clarification on Sh interface for charging purposes

Discussion : At the last CN#18 Plenary, the CR against 23.218 (N1-022264) was postponed to this meeting because the corresponding CR against CN4 was not provided. This CR was resubmitted based on the latest 23.218 v5.3.0 and corresponding CR against 29.328 and 29.329 are also submitted at this meeting. Seen before but now with a new CR#. Since the CRs on 29.328 and 29.329 (N4-030122 and 123) are linked. If these CRs falls in plenary the already implemented CR in 24.229 (269r1) must be removed with a new CN1 CR. The feature is not a general purpose case but a solution to the the one case when AS establishes the communication without online charging. These concerns are stated in CN4 spec, but was requested to be introduced here as well.

Conclusion : Revised to 263

N1-030263 : 23.218v530 CR#040r1, NEC, **Type:** CR, **Title:** Clarification on Sh interface for charging purposes

Discussion : Mistake on note style. Clash is replased with conflict. No quotes around the note.

Conclusion : Revised to 309

N1-030309 : 23.218v530 CR#040r2, NEC, **Type:** CR, **Title:** Clarification on Sh interface for charging purposes

Discussion :

Conclusion : Agreed

N1-030129 : 23.218v530 CR#041, NEC, **Type:** CR, **Title:** Clarifications on definition of Service Point Trigger, etc.

Discussion : The definition for service key is also considered for the SIP AS. The definition for Service point trigger(SPT) is clarified for designing the procedure implementations. The definition for Service platform trigger points(STP) is deleted due to confusion for readers.

The service point of trigger is not the trigger for downloading. Is Service key an optional element? Transfer of this info to AS should rather be as header than inside the body. And such mechanism is for the future and not for Rel-5.

Conclusion : Rejected

8 Release 6 work items

8.1 Presence

N1-030009 : Lucent T., **Type:** INFORMATION, **Title:** Summary of current IETF documents on SIMPLE

Discussion : No comments were made.

Conclusion : Noted

N1-030010 : Lucent T., **Type:** TR v040, **Title:** Draft 3GPP TR 24.841 "Presence based on SIP; Functional models, information flows and protocol details"

Discussion : It has been circulated and no comments made.

Conclusion : Noted

N1-030011 : Lucent T., **Type:** INFORMATION, **Title:** Presence WID open issues list

Discussion : This open item list identifies the tasks within that work item that still need to be resolved in TR 24.841 for Rel-6, and subsequently for for changes made to TS 23.218, 24.228 and 24.229. Should be complete except for the last SA2 meeting. Do CN1 support having this sort of list, and is there any more issues needed in the list? It is useful for study and when checking the unresolved issues state a t Rel-6 issuing time. Please start it up. Contributions do not need to link to items in the list. Every meeting will attempt to have an updated list.

Conclusion : Noted

N1-030110 : TR24.841v040, Nortel, **Type:** CR, **Title:** CR to 24.841 on updating PUBLISH flow

Discussion : In the latest version of the PUBLISH draft (draft-olson-simple-publish-01), the headers Ptype and Pstream have been replaced by Class and Stream, respectively. Also a new optional Facet header has been introduced. The PUBLISH flow in section 6.2.2, 6.2.3, and the Profile Tables in section 7.5 needs to updated accordingly.

Is it authorisation or authentication of the publisher? The first. Even if new update is around the editors notes can be removed now, because contributions can be made independently.

Conclusion : Agreed

N1-030111 : TR24.841v040, Nortel, **Type:** CR, **Title:** CR to 24.841 on updating the 3GPP Subscriber Attributes and Values

Discussion : In the latest version of 23.141 changes were made to the 3GPP Presence Subscriber Attributes.

Not now, but the new terminology should have some more words on what these codepoints actually means. Add 's' to mean.

Conclusion : Revised to 272

N1-030272 : TR24.841v040, Nortel, **Type:** CR, **Title:** CR to 24.841 on updating the 3GPP Subscriber Attributes and Values

Discussion :

Conclusion : Agreed

N1-030112 : TR24.841v040, Nortel, **Type:** CR, **Title:** CR to 24.841 on Watcher Identity Verification

Discussion : There is an open issue in 24.841 on defining the mechanism for verifying the identity of the user if the SUBSCRIBE from the watcher does not contain a P-Asserted-Identity header or credentials. This CR proposes the Presence Server verify the identity of the watcher by challenging the watcher with a 401 (Unauthorized) response.

An alternative CR in 125 and was taken as the template for revision.. P-Asserted-identity inserted by P-CSCF for IMS is enough to avoid an identity verification. Also these activities should be in seperate clauses due to dangerous close. Doesn't the PS always have to verify the watcher identity?

Conclusion : Noted

N1-030113 : TR24.841v040, Nortel, **Type:** CR, **Title:** CR to 24.841 on Usage of Publish at the UE

Discussion : This CR proposes text describing the usage on headers of the PUBLISH request at the UE.

Probably not needed to detail as it is in the Publish draft, maybe with exception on Class header. A reference is proposed instead and agreed. The expiry timer linking to 24.229 should not wait until further studied as it is needed for

-01 draft. How long afterwards would that word indicate? What does the PUA store from 2xx responding PUBLISH and why? Does the UE have to wait for expiry before re-PUBLISH?

Conclusion : Revised to 274

N1-030274 : TR24.841v040, Nortel, **Type:** CR, **Title:** CR to 24.841 on Usage of Publish at the UE

Discussion : The rapporteur would handle the new reference to its right place.

Conclusion : Agreed

N1-030125 : TR24.841v040, Ericsson, **Type:** CR, **Title:** External watcher authorization

Discussion : On the issue of verifying the identity of non-IMS watchers resulted in some LS exchange. CN1 is receiving a reply LS from SA3 (S3-020697) with some recommendations in terms of security aspects of the presence service. One of this aspects pertains to the verification of the identity of external watchers, and SA3 indicates that there are negative effects in placing such verification at the edge of the network. This document, therefore, proposes that, in case such verification is needed, the Presence Server shall perform it.

First authentication and then authorisation? But it is good to see if anonymous is allowed or not before doing a possible challenge. What is polite blocking? Need to be defined. Leave the details of 'credentials' to the open issue list, since it can not be made exhaustive now. When to authenticate will be discussed offline.

Conclusion : Revised to 273

N1-030273 : TR24.841v040, Ericsson, **Type:** CR, **Title:** External watcher authorization

Discussion : Should be response instead of challenge. No use credentials received, in the next meeting.

Conclusion : Agreed

N1-030144 : TR24.841v040, Lucent T., **Type:** CR, **Title:** CR to 24.841: Clause 6.1.2.1 revisions to include P-CSCF and S-CSCF storage

Discussion : Flows that create dialogs in 24.228 show the information that is stored at the stateful entities, i.e. the P-CSCF and the S-CSCF. For consistency with 24.228 presentation style, it is proposed that these tables are added to the flows in 24.841. This contribution assumes revisions to the Record-Route headers proposed in other contributions.

An opinion was that only the dialog id is stored. If this CR is needed the big update to 24.228 is required here also. A graceful procedure to delete subscriptions when eg. prepaid is at the limit. Does the P-CSCF need to store any information from the SUBSCRIBE due to this? Should these 24.228 storing tables on P-CSCF and S-CSCF be updated with deletion as well then? The tables is for action to clean up a protocol state. The issue can not be handled during this meeting.

Conclusion : Postponed

N1-030145 : TR24.841v040, Lucent T., **Type:** CR, **Title:** CR to 24.841: Clause 6.1.3.1 revisions to include P-CSCF and S-CSCF storage

Discussion :

Conclusion : Postponed

N1-030146 : TR24.841v040, Lucent T., **Type:** CR, **Title:** CR to 24.841: Clause 6.1.3.2 revisions to include P-CSCF and S-CSCF storage

Discussion :

Conclusion : Postponed

N1-030147 : TR24.841v040, Lucent T., **Type:** CR, **Title:** CR to 24.841: Clause 6.1.4.1 revisions to include P-CSCF and S-CSCF storage

Discussion :

Conclusion : Postponed

N1-030148 : TR24.841v040, Lucent T., **Type:** CR, **Title:** CR to 24.841: Clause 6.4 revisions to include P-CSCF and S-CSCF storage

Discussion :

Conclusion : Postponed

N1-030187 : TR24.841v040, Nokia, **Type:** CR, **Title:** Inclusion of existing stable SIMPLE material

Discussion :

Conclusion : Not available.

N1-030188 : TR24.841v040, Nokia, **Type:** CR, **Title:** Update of the call flow examples

Discussion : Not presented.

Conclusion : Revised to 237

N1-030237 : TR24.841v040, Nokia, **Type:** CR, **Title:** Update of the call flow examples

Discussion : How do the S-CSCF have the knowledge to Record-Route the Subscribe or not? It is Rel-6 and the proposal is to keep the whole issue there. But SA2 has introduced in stage2 what is in this document.

Conclusion : Agreed

N1-030198 : Nokia, **Type:** DISCUSSION, **Title:** Update of the call flow examples

Discussion : In Release 6 the existing IMS functionality will be extended by a set of new services. These additions to the existing IMS will have impact on CN1 Stage 3 specifications. This contribution discusses how these additional services can be documented within CN1.

Conclusion : Noted

8.2 MBMS (Multimedia Broadcast Multicast Services)

N1-030061 : 3, **Type:** TR 29.846v040, **Title:** Latest version of TR 29.846

Discussion : A number of agreements have now been reached at the last SA2 working group meeting, which should allow for work to start within the CN working groups.

Conclusion : Noted

N1-030062 : 3, **Type:** WID, **Title:** MBMS WID Update

Discussion : Attached is an updated version of the MBMS WID. It has been updated to reflect the new SA2 Technical Specification defined for MBMS, along with changes to the time lines.

The main feature will be on the access network, but for this WID No should be ticked for AN. The TR and eventual specifications should be listed,- the architecture is in TS 23.246 and 29.846 should be listed. Som stylish and contact editorials. SA2 has September as schedule in their WID (deliverables or whole feature?) and stage 3 should not be identical, but probably to CN#22? To be checked offline. Refer also to GERAN WI and not only RAN WI. CN1 takes a possible agreed WID to the plenary.

Conclusion : Revised to 275

N1-030275 : 3, **Type:** WID, **Title:** MBMS WID Update

Discussion :

Conclusion : Agreed

N1-030063 : 29.846v040, 3, **Type:** CR, **Title:** MBMS Introduction

Discussion : This contribution builds upon the work that has been produced within the architecture groups to date, by identifying two procedures that require UE to CN communication, and hence require CN working group input.

The contribution was thought not a part of the specification text, but could be a part of a definition if duplication can be avoided. The text could have a note that it does not go to any TS after the TR is terminated. The normative part should be a reference when applicable. The 3 procedures of interest to CN1 is those listed and was not a direct copy and paste. 3.1 is an interpretation of stage2 and should not be done. If changes are needed then new terminology is needed or change stage 2. Reference [3] should be removed if not maintained any longer.

Conclusion : Revised to 276

N1-030276 : 29.846v040, 3, **Type:** CR, **Title:** MBMS Introduction

Discussion : Not available.

Conclusion : Withdrawn

N1-030064 : 29.846v040, 3, **Type:** CR, **Title:** MBMS Activation/Deactivation Procedures

Discussion : This contribution builds upon the work that has been produced within the architecture groups to date, by incorporating the agreed stage 2 activation flow.

Should we only include extensions to stage 2 flow. Abbreviation plus the words multicast is not readably correct. The flows should be more detailed for stage 3. Who is sending the information in step5, SGSN or GGSN? The single APN needs to be given from IETF association and is not a 3GPP matter. The ciphering keys are on a different level than earlier known. We deal with multicast mode only, and not on broadcast (MBMS?). UE validation check in step 6 was questioned. Should flows like this be in 24.228, or in this TR only, indicated with an editor note in the TR?

Conclusion : Revised to 277

N1-030277 : 29.846v040, 3, **Type:** CR, **Title:** MBMS Activation/Deactivation Procedures

Discussion :

Conclusion : Agreed

N1-030065 : 29.846v040, 3, **Type:** CR, **Title:** MBMS Data Transfer

Discussion :

Conclusion : Not available.

8.3 IMS Stage 3 enhancements

None.

8.4 IMS interoperability

None.

8.5 Other Rel-6 issues

N1-030108 : Siemens, **Type:** DISCUSSION, **Title:** DL-Data during RAU

Discussion : The change of a cell in a 2G network causes interruption of an ongoing packet transfer. The duration of the service interruption depends on the tasks that have to be performed due to this change. For cell changes that also require an update of the RAU and SGSN (inter-SGSN change, see below) this may cause an interruption of several seconds due to HLR/GGSN interworking and (possibly) update of the established Gs-interface. This paper outlines the current status of DL-data handling during an ongoing RAU procedure and proposes a improvement.

Conclusion : Noted

N1-030109 : 24.008v560 CR#733, Siemens, **Type:** CR, **Title:** Interruption of DL user data transmission during P-TMSI reallocation

Discussion : Not presented.

Conclusion : **Revised to 224**

N1-030224 : 24.008v560 **CR#733r1**, Siemens, **Type**: CR, **Title**: Interruption of DL user data transmission during P-TMSI reallocation

Discussion : The suspension of user data transmission during a routing area update or stand-alone P-TMSI reallocation is made optional for the network.

Could the new text be confused with suspend for classB mobiles. No. This CR triggers Rel-6 version creation.

Conclusion : **Agreed**

N1-030142 : Ericsson, **Type**: DISCUSSION, **Title**: Motivation for ROHC in SNDCCP

Discussion : ROHC is a compression framework, not (only) a compression scheme, and the actual compression methods are described within profiles. E.g. profile number one, the ROHC RTP profile, specifies the compression scheme for RTP/UDP/IP packets. Common for all ROHC profiles, i.e. the framework, are the negotiation requirements, the link layer requirements, and some common packet formats. The profile concept is one major difference from earlier header compression schemes. At current date, there are five ROHC profiles defined: Uncompressed, RTP/UDP/IP, UDP/IP only, ESP/IP, and LLA RTP. The IETF ROHC WG is currently in the process of creating three new profiles: IP only, TCP/IP and UDP-Lite. Today, SNDCCP have support for two header compression schemes, RFC1144 (TCP/IP) and RFC2507 (TCP/IP-UDP/IP). This document motivates the inclusion of ROHC in SNDCCP as a new option.

What can be encrypted and with what efficiency, or is it any interaction between compression and encryption? Not on the payload. RTP is compressed as well. Still some GERAN study on some profiles and therefore thought it was too early for including it in SNDCCP. No, independant because ROHC is a framework and defined in an RFC already. Where in the network would ROHC be terminated? In SGSN.

Conclusion : **Noted**

N1-030143 : 44.065v500 **CR#004**, Ericsson, **Type**: CR, **Title**: Additional support of ROHC in SNDCCP

Discussion : Appropriate text to incorporate the support of ROHC into SNDCCP as a new option are added to sub-clause 6.5. Also, references to the appropriate ROHC RFCs are included in sub-clause 2.

A LS to GERAN was proposed to outline the question on conversational. ROHC is not only for conversational and is proposed as a framework and therefore not directly linked to the GERAN discussion. A LS was agreed to be sent. Algorithm type codes were reserved and what would be the error handling by using such a value.

Conclusion : **Postponed and LS out in 278 by Stefan/Ericsson**

N1-030161 : 24.008v560 **CR#739**, GERAN, **Type**: CR, **Title**: Implementation of new frequency ranges into 24.008

Discussion : Related to LS in 029.

Conclusion : **Replaced by 162**

N1-030162 : 24.008v560 **CR#739r1**, Nokia, **Type**: CR, **Title**: Implementation of new frequency ranges into 24.008

Discussion : Addition of frequency ranges, necessary adjustment of parameters close to transition bands, alignment of parameters in the 380 and 410 MHz. In addition to that there was a mistake in table 10.5.6.a, RF Power Capability (Octet 3). For the UMTS case, the T-GSM bands were not mentioned; this is the only difference from the original CR sent by GERAN.

Added one forgotten listing of the new band in the RF capability, but should it not be in the next sentence as well? Some more checking is needed offline about a possible missing T.

Conclusion : **Revised to 270**

N1-030270 : 24.008v560 **CR#739r2**, Nokia, **Type**: CR, **Title**: Implementation of new frequency ranges into 24.008

Discussion : The T is added.

Conclusion : **Agreed**

N1-030169 : Ericsson, **Type:** INFORMATION, **Title:** Emergency Calls for IP& PS Based Calls, update of WID structure

Discussion : It is proposed that the work item for emergency calls for IP and PS based calls is restructured to better reflect the work to be done for stage 1, 2 and 3. The following is proposed:

- The WID with id-1653 (NP-010137) is updated to release 6 and is written as a CN-wide WID. A proposed update of this WID can be found in Tdoc N1-030170.
- The WID with id-1646 is removed from the work plan.
- A new parent WID is created in SA2 to address requirements, architecture and security (id-1652)
- A new WID for possible issues in RAN is FFS.

The WID with id-2527 (SP 010210) is updated by SA2 and used for stage 1, 2 and 3 issues regarding UICC/SIM-less UEs.

A confusion was solved by the WID with the old NP-000380 doc on id-1646 removed from the work plan,- not the task.

Conclusion : Noted

N1-030170 : Ericsson, **Type:** WID, **Title:** Emergency Calls for IP& PS Based Calls - stage 3

Discussion : Related LS in N1-030218. The updated WID proposes it limited as a CN groups WID, including CN3 and CN4 tasks. The emergency call without USIM could be led by the SA2 should have the acronym given to the task for CN1. A CN1 WID in this area could be produced later if the work on stage 3 justifies this. Packet switch/domain and IP should imply all packet networks and IP networks, giving that IMS is just one part of it like WLAN. Emergency calls with and without SIM should not be tracked together due to different timescales and complexity. A LS to SA1 and SA2 was seen useful for information and avoid overlapping. WTs for SA WGs do already exist in 3GPP work plan, ID 1314 and 1316, and it is up to those SA groups to maintain their WIDs as they see fit. Ericsson will contribute with a WID on CN work for emergency calls without USIM to CN1#29. No objections to supporting companies were made. SA1 do not have a meeting before the plenary. The marked No for AN and USIM impact refers to this WID. Keep the old date since we used to have CN#21 in September. It should be a BB under Feature 1652.

Conclusion : Revised to 217 and LS out in 218 by Atle/Ericsson

N1-030217 : Ericsson, **Type:** WID, **Title:** Emergency Calls for IP& PS Based Calls - stage 3

Discussion : This will be brought to the attention of CN3 and CN4 during this meeting, and updated in CN1 if necessary. And CN1 will bring this WID to the plenary.

Conclusion : Agreed

N1-030183 : Nokia, **Type:** WID, **Title:** WLAN Interworking - stage 3 definition of WLAN - 3GPP interworking

Discussion : This Work item will carry on this work and enable the definition the stage 3 within the Core Network.

What is intended from CN1? CN1 should cover signalling and is not expected to be very heavy. NAS discovery could be in CN1 or outside the scope,- IPv4 or IPv6? Is the need for a new CN1 spec justified by referring to a couple of drafts? Include it in the new CN4 spec, or accept a small spec as fully acceptable (no shared TS between groups). What about HiperLAN? Probably covering all access technology? Authentication has earlier been handled in an interworking specification. 24.abc should not be allocated until later when more certainty is gained. With Ericsson, Telia and Sonera signing up in CN4 discussion this WID has enough supporting companies. CN4 takes this WID to the plenary. Some comment that CN1 will do something should be in there for now, at least until a TS or not is known.

Conclusion : Noted

N1-030184: 24.008v560 CR#745, Nokia, **Type:** CR, **Title:** GPRS procedures for IMS emergency sessions

Discussion : In SA2#29 it was discussed the addition of an Emergency indication to Attach, PDP context activation and Routing Area Update procedures (Tdoc S2-030392). This indication is needed for the network to be able to identify when a PDP context is activated or used for emergency session purposes.

Provided intentionally to this meeting for collecting information, but now proposed for approval. Why the rush with stage3 on Rel-6 when it is still debated? Maybe a separate subclause should be used? Why not use eg. attach type?

What about the other direction? What about the type of the IE, and error cases (regional provision)? This CR is only for indication to the network.

Conclusion : Postponed

9 LS OUT (output liaison statements)

N1-030090 : *Robert/Siemens*, **Type:** LS OUT , **To:** RAN3, **Cc:** , **Title:** LS to RAN3 on Corrections to the list of RANAP messages transferred on the E-interface

Discussion : Linked to the CRs 081 to 089. The next RAN3 meeting is a week later.

Conclusion : Agreed

N1-030200 : *Peter/Siemens* , **Type:** LS OUT , **To:** CN4, **Cc:** SA2, **Title:** LS Response on requirements for one AS to be able to read and/or modify the initial filter criteria of another AS

Discussion : Linked to 033.

Conclusion : Agreed

N1-030201 : *Kevan/3*, **Type:** LS OUT, **To:** RAN3, CN4, SA2, **Cc:** RAN2, GERAN2, RAN, SA, **Title:** LS on Early UE Handling

Discussion : Linked to 106. CN4 deleted from Cc.

Conclusion : Agreed

N1-030202 : *Krisztian/Nokia*, **Type:** LS OUT , **To:** SA2, **Cc:** , **Title:** LS response on partial notification

Discussion : Linked to 055. Remove partial notification here or ask SA2 to push on IETF to come up with a solution.

Conclusion : Revised to 306

N1-030306 : *Krisztian/Nokia*, **Type:** LS OUT , **To:** SA2, **Cc:** , **Title:** LS response on partial notification

Discussion : Linked to 055.

Conclusion : Agreed

N1-030203 : *Hannu/Nokia*, **Type:** LS OUT , **To:** SA1, SA2, **Cc:** GERAN2, RAN2, **Title:** LS on R99 and later emergency calls when attached to data only network

Discussion : Linked to 072. Redundant here does not mean stated elsewhere, and changed on the spot.

Conclusion : Revised to 302

N1-030302 : *Hannu/Nokia*, **Type:** LS OUT , **To:** SA1, SA2, **Cc:** GERAN2, RAN2, **Title:** LS on R99 and later emergency calls when attached to data only network

Discussion :

Conclusion : Agreed

N1-030206 : *Kevan/3*, **Type:** LS OUT, **To:** RAN2, **Cc:** , **Title:**

Discussion : Linked to 057. Missing title. The last week mentioned is delayed one week. The wording could be made stronger according to past experience.

Conclusion : Revised to 262

N1-030262 : *Kevan/3*, **Type:** LS OUT, **To:** RAN2, **Cc:** , **Title:** Liaison statement on Missed Paging due to UE and Network RRC State out of synchronisation

Discussion :

Conclusion : Agreed

N1-030218 : *Atle/Ericsson*, **Type:** LS OUT, **To:** SA, CN, SA1, SA2, **Cc:** , **Title:**

Discussion : Linked to 057. Not presented.

Conclusion : Revised to 271

N1-030271 : *Atle/Ericsson*, **Type:** LS OUT, **To:** SA1, SA2, SA3, CN, CN3, CN4, RAN2, RAN3, GERAN2, GERAN3, T3, **Cc:** , **Title:** LS on updated WID for emergency call enhancements for IP & PS based calls

Discussion :

Conclusion : Agreed

N1-030278 : *Stefan/Ericsson*, **Type:** LS OUT, **To:** GERAN2, **Cc:** , **Title:** LS on support of ROHC in TS 44.065 (SNDTCP)

Discussion : The last sentence is moved to action.

Conclusion : Revised to 303

N1-030303 : *Stefan/Ericsson*, **Type:** LS OUT, **To:** GERAN2, **Cc:** , **Title:** LS on support of ROHC in TS 44.065 (SNDTCP)

Discussion :

Conclusion : Agreed

N1-030279 : *Gabor/Nokia*, **Type:** LS OUT, **To:** , **Cc:** , **Title:**

Discussion : Not available.

Conclusion : Withdrawn

N1-030290 : *Hannu/Nokia*, **Type:** LS OUT , **To:** CN, **Cc:** GERAN, **Title:** LS on proposed new TR on GSM phase 2 network error workarounds

Discussion : Linked to 223. Delete proposed new TR in the title. Since the TR has not been technically discussed the wording should be that CN1 could not conclude on a document to be sent or a mechanism to do an eventual documentation. State that the errors are in the network. Plus change that attention has been brought to CN1 attention.

Conclusion : Revised to 305

N1-030305 : *Hannu/Nokia*, **Type:** LS OUT , **To:** CN, **Cc:** GERAN, **Title:** LS on GSM phase 2 network errors

Discussion : Linked to 223.

Conclusion : Agreed

N1-030291 : *Hannu/Nokia*, **Type:** LS OUT , **To:** GERAN2, **Cc:** CN, **Title:** LS on MS RAC for UMTS only mobiles

Discussion : Linked to 223. Take away the next CN1 meetings since CN is the relevant meeting to deal with it.

Conclusion : Revised to 304

N1-030304 : *Hannu/Nokia*, **Type:** LS OUT , **To:** GERAN2, **Cc:** CN, **Title:** LS on MS RAC for UMTS only mobiles

Discussion :

Conclusion : Agreed

10 Late and misplaced documents

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

11 Any Other Business (AOB)

None provided.

12 Closing of the meeting

16:00 Friday 14.02.2003

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	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, Ireland	EF3 (European friends of 3GPP)
CN #19	12 - 14 March 2003	Birmingham, UK	UK Friends of 3GPP
N1#29	31 march - 04 April 2003	Sophia Antipolis, France	ETSI
N1#30	19 - 23 May 2003	San Diego, USA	NA 'Friends of 3GPP'
CN #20	4 - 6 June 2003	Hameenlinna, FINLAND	Nokia
N1#31	25 - 29 August 2003	Sophia Antipolis, France	ETSI
CN #21	17 - 19 September 2003	GERMANY	To be confirmed
N1#32	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 none

Please see section 5.1 when any joint meeting has taken place.

Annex B List of participants

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Annex C Agreed CRs

Status	TDoc #	Spec	CR #	CA T	Rev	Tdoc Title	C_Ver sion	Type	WI	Rel
AGREED	N1-030084	09.08	A141	F		Corrections to the list of BSSMAP messages transferred on the E-interface	8.1.0	CR	GSM/UMTS interworking	R99
AGREED	N1-030292	23.009	091	F	1	Further clarification of the protocol to be used on the E-interface	3.12.0	CR	GSM/UMTS interworking	R99
AGREED	N1-030293	23.009	092	A	1	Further clarification of the protocol to be used on the E-interface	4.6.0	CR	GSM/UMTS interworking	Rel-4
AGREED	N1-030294	23.009	093	A	1	Further clarification of the protocol to be used on the E-interface	5.3.0	CR	GSM/UMTS interworking	Rel-5
AGREED	N1-030091	23.034	008	F		Use of Nb UP protocol after inter-MSC handover	5.1.0	CR	TEI5	Rel-5
AGREED	N1-030309	23.218	040	F	2	Clarification on Sh interface for charging purposes	5.3.0	CR	IMS-CCR	Rel-5
AGREED	N1-030197	23.218	042	F		Correction related to implicit public user identities in third party REGISTER	5.3.0	CR	IMS-CCR	Rel-5
AGREED	N1-030211	24.002	002	F	1	Removal of the S reference point within the MS	4.0.0	CR	TEI4	Rel-4
AGREED	N1-030212	24.002	003	A	1	Removal of the S reference point within the MS	5.0.0	CR	TEI4	Rel-5
AGREED	N1-030066	24.008	728	F		Correction on CC Capabilities IE length	3.14.0	CR	TEI	R99
AGREED	N1-030067	24.008	729	A		Correction on CC Capabilities IE length	4.9.0	CR	TEI	Rel-4
AGREED	N1-030068	24.008	730	A		Correction on CC Capabilities IE length	5.6.0	CR	TEI	Rel-5
AGREED	N1-030213	24.008	731	F	1	Support of UMTS authentication by GERAN only terminals	5.6.0	CR	TEI5	Rel-5
AGREED	N1-030224	24.008	733	C	1	Interruption of DL user data transmission during P-TMSI reallocation	5.6.0	CR	TEI6	Rel-6
AGREED	N1-030207	24.008	734	F	1	MS RAC for UMTS only terminal	3.14.0	CR	TEI	R99
AGREED	N1-030208	24.008	735	A	1	MS RAC for UMTS only terminal	4.9.0	CR	TEI	Rel-4
AGREED	N1-030209	24.008	736	A	1	MS RAC for UMTS only terminal	5.6.0	CR	TEI	Rel-5
AGREED	N1-030115	24.008	737	F	1	High multislot classes for type 1 mobiles	5.6.0	CR	TEI5	Rel-5
AGREED	N1-030266	24.008	738	F	2	Signalling PDP Context Indication to Core Network	5.6.0	CR	IMS-CCR	Rel-5
AGREED	N1-030270	24.008	739	B	2	Implementation of new frequency ranges into 24.008	5.6.0	CR	T-GSM	Rel-6

AGREED	N1-030214	24.008	740	F	1	Missing IEI definition in locking shift (CC) IE and non-locking shift (CC) IE	5.6.0	CR	TEI5	Rel-5
AGREED	N1-030216	24.008	741	F	1	Combined RAU successful for GPRS only, missing GMM cause IE	5.6.0	CR	TEI5	Rel-5
AGREED	N1-030253	24.008	746	F		Enhanced Power Control (EPC) information in classmark 3	5.6.0	CR	TEI5	Rel-5
AGREED	N1-030257	24.228	094	C	2	Allowing IMS access with SIM	5.3.0	CR	IMS-CCR	Rel-5
AGREED	N1-030269	24.228	097	F	2	Correction of the registration state event package	5.3.0	CR	IMS-CCR	Rel-5
AGREED	N1-030247	24.228	098	F	1	General update to clauses 7 and 8	5.3.0	CR	IMS-CCR	Rel-5
AGREED	N1-030248	24.228	099	F	1	General update to clauses 17 and 18	5.3.0	CR	IMS-CCR	Rel-5
AGREED	N1-030249	24.228	100	F	1	General update to clause 10	5.3.0	CR	IMS-CCR	Rel-5
AGREED	N1-030283	24.228	102	F	2	General update to clauses 6 and 16	5.3.0	CR	IMS-CCR	Rel-5
AGREED	N1-030012	24.229	291	F		Minor correction and consistency changes to general part of profile	5.3.0	CR	IMS-CCR	Rel-5
AGREED	N1-030013	24.229	292	F		SIP profile minor correction and consistency changes	5.3.0	CR	IMS-CCR	Rel-5
AGREED	N1-030261	24.229	293	F	1	Network asserted identity procedure corrections for the UE	5.3.0	CR	IMS-CCR	Rel-5
AGREED	N1-030300	24.229	294	F	1	Asserted identity inclusion in SIP profile	5.3.0	CR	IMS-CCR	Rel-5
AGREED	N1-030023	24.229	296	F		Profile references relating to registration	5.3.0	CR	IMS-CCR	Rel-5
AGREED	N1-030301	24.229	297	F	2	Reference corrections	5.3.0	CR	IMS-CCR	Rel-5
AGREED	N1-030258	24.229	299	C	2	Allowing IMS access with SIM	5.3.0	CR	IMS-CCR	Rel-5
AGREED	N1-030245	24.229	300	F	1	488 message with a subset of allowed media parameters	5.3.0	CR	IMS-CCR	Rel-5
AGREED	N1-030239	24.229	301	F	1	Handling of Emergency Numbers in P-CSCF	5.3.0	CR	IMS-CCR	Rel-5
AGREED	N1-030268	24.229	302	F	2	Correction of the registration state event package	5.3.0	CR	IMS-CCR	Rel-5
AGREED	N1-030295	24.229	305	F	2	User initiated de-registration at P-CSCF	5.3.0	CR	IMS-CCR	Rel-5
AGREED	N1-030296	24.229	306	F	2	Network-initiated deregistration at S-CSCF.	5.3.0	CR	IMS-CCR	Rel-5
AGREED	N1-030297	24.229	307	F	2	UE deregistration during established dialogs	5.3.0	CR	IMS-CCR	Rel-5
AGREED	N1-030298	24.229	308	F	2	S-CSCF handling of deregistration during established dialogs	5.3.0	CR	IMS-CCR	Rel-5
AGREED	N1-030233	24.229	309	F	1	S-CSCF handling of established dialogs upon deregistration	5.3.0	CR	IMS-CCR	Rel-5
AGREED	N1-030299	24.229	310	F	2	S-CSCF handling of established dialogs upon registration-lifetime expiration	5.3.0	CR	IMS-CCR	Rel-5
AGREED	N1-030235	24.229	311	F	1	P-CSCF handling of established dialogs upon	5.3.0	CR	IMS-CCR	Rel-5

						registration-lifetime expiration				
AGREED	N1-030240	24.229	312	F	1	Correction of Authentication procedure	5.3.0	CR	IMS-CCR	Rel-5
AGREED	N1-030127	24.229	313	F		Mixed Path header and Service-Route operation	5.3.0	CR	IMS-CCR	Rel-5
AGREED	N1-030255	24.229	315	F	2	Clarifications on updating the authorization token	5.3.0	CR	IMS-CCR	Rel-5
AGREED	N1-030307	24.229	318	F	2	Consideration of P-CSCF/PDF	5.3.0	CR	IMS-CCR	Rel-5
AGREED	N1-030308	24.229	319	F	2	Clarification on GPRS charging information	5.3.0	CR	IMS-CCR	Rel-5
AGREED	N1-030267	24.229	321	F	2	Signalling PDP Context Indication to Core Network	5.3.0	CR	IMS-CCR	Rel-5
AGREED	N1-030250	24.229	323	F	1	P-Access-Network-Info procedure corrections for the UE	5.3.0	CR	IMS-CCR	Rel-5
AGREED	N1-030251	24.229	324	F	1	P-Access-Network-Info procedure corrections for the S-CSCF	5.3.0	CR	IMS-CCR	Rel-5
AGREED	N1-030260	24.229	326	F	1	Updating user agent related profile tables	5.3.0	CR	IMS-CCR	Rel-5
AGREED	N1-030282	24.229	327	F	2	Cleanup and clarification to the registration and authentication procedure	5.3.0	CR	IMS-CCR	Rel-5
AGREED	N1-030230	24.229	328	F	1	Corrections to the reg event package	5.3.0	CR	IMS-CCR	Rel-5
AGREED	N1-030288	24.229	330	F	2	Clarifications for setting up separate PDP contexts in case of SBLP	5.3.0	CR	IMS-CCR	Rel-5
AGREED	N1-030289	24.229	331	F	2	Handling of the P-Media-Authorization header	5.3.0	CR	IMS-CCR	Rel-5
AGREED	N1-030310	24.229	333	F	3	Removal of P-Asserted-Identity from clause 7 of 24.229	5.3.0	CR	IMS-CCR	Rel-5
AGREED	N1-030182	24.229	334	F		P-CSCF general procedure corrections	5.3.0	CR	IMS-CCR	Rel-5
AGREED	N1-030281	24.229	335	F	2	Usage of Contact in UE's registration procedure	5.3.0	CR	IMS-CCR	Rel-5
AGREED	N1-030193	24.229	337	F		Usage of P-Asserted-Identity for responses	5.3.0	CR	IMS-CCR	Rel-5
AGREED	N1-030285	24.229	339	F	2	Authorization for registration event package	5.3.0	CR	IMS-CCR	Rel-5
AGREED	N1-030284	24.229	341	F	1	P-CSCF subscription to reg event	5.3.0	CR	IMS-CCR	Rel-5
AGREED	N1-030085	49.008	001	A		Corrections to the list of BSSMAP messages transferred on the E-interface	4.0.1	CR	GSM/UMTS interworking	Rel-4
AGREED	N1-030086	49.008	002	A		Corrections to the list of BSSMAP messages transferred on the E-interface	5.0.0	CR	GSM/UMTS interworking	Rel-5

CRs for e-mail agreement

None

Documents Endorsed by N1

None

Annex D Tdoc list (incl. the status)

TDoc #	Tdoc Title	Source	Spec	WI	C_Version	Rel	CA T	CR #	Rev	Type	Comments	Status
N1-030024	Reference corrections	Lucent Technologies / Keith Drage	24.229	IMS-CCR	5.3.0	Rel-5	F	297		CR		REVISED TO 287
N1-030025	S-CSCF general procedure corrections	Lucent Technologies / Keith Drage	24.229	IMS-CCR	5.3.0	Rel-5	F	298		CR		Not available
N1-030026	Allowing IMS access with SIM	T-Mobile	24.228	IMS-CCR	5.3.0	Rel-5	C	094		CR	Not presented, but updated due to emaildisc.	REVISED TO 185
N1-030027	Allowing IMS access with SIM	T-Mobile	24.229	IMS-CCR	5.3.0	Rel-5	C	299		CR	Not presented, but updated due to emaildisc.	REVISED TO 186
N1-030028	Allowing IMS access with SIM	T-Mobile								DISC	Not presented.	REVISED TO 219
N1-030029	Liaison Statement on the addition of frequency ranges	GERAN2								LS IN	GP-023372, To: CN1, Cc:	NOTE D
N1-030030	LS on " High multislots classes for type 1 mobiles "	GERAN								LS IN	GP-023433, To: CN1, Cc:	NOTE D
N1-030031	LS on "Proposed TR for the architectural aspects of early UE handling"	CN4								LS IN	N4-021497, To: SA2, Cc: CN1	NOTE D
N1-030032	LS on list of core IMS specifications for Access Independence	CN4								LS IN	N4-021499, To: SA2, Cc: CN1, CN3	NOTE D
N1-030033	LS on requirements for one AS to be able to read and/or modify the initial filter criteria of another AS	CN4								LS IN	N4-021521, To: CN1, SA2, Cc:	LS ou in 200 by Peter Siemens
N1-030034	Reply LS on CS data services for GERAN l mode	CN4								LS IN	N4-021525, To: SA2, CN3, GERAN2, CN1, Cc:	NOTE D
N1-030035	LS on Use of E164 numbers for emerging mobile systems	CN4								LS IN	N4-021566, To: SA1; SA2, Cc: CN1, T3	NOTE D

N1-030036	LS on SS barring for SMS transfer over GPRS	CN								LS IN	NP-020672, To: SA1, SA2, Cc: CN1, CN4	NOTE D
N1-030037	REPLY LS on proposed TR for the architectural aspects of early UE handling	RAN3								LS IN	R3-022557, To: RAN2, SA2, CN4, GERAN2, RAN, Cc: CN1, SA, GSMA TWG	NOTE D
N1-030038	Clarification on "Guaranteed Bit Rate in RANAP"	RAN3								LS IN	R3-022603, To: SA4, CN4, Cc: CN1, SA2, RAN2	NOTE D
N1-030039	Response LS on "IMS Messaging"	SA1								LS IN	S1-022038, To: CN1, SA2, Cc: T2	NOTE D
N1-030040	Cleanup of SAT/USAT requirements, 3GPP TS 22.038	SA1								LS IN	S1-022371, To: T3, CN1, Cc:	NOTE D
N1-030041	LS on Content formats	SA2								LS IN	S2-023540 To: SA4, CN1, Cc:	NOTE D
N1-030042	LS on CN related work on 3GPP-WLAN Interworking	SA2								LS IN	S2-023649, To: CN, CN1, CN4, Cc:	NOTE D
N1-030043	LS on Early UE handling	SA2								LS IN	S2-023664, To: RAN2, RAN3, CN4, GERAN2, RAN, SA, Cc: CN 1, GSMA TWG	NOTE D
N1-030044	Requirement to Allow Access to IMS by Means of SIM in 3G UEs	SA2								LS IN	S2-023677, To: SA, CN, Cc: SA3, CN1, SA1, T3	NOTE D
N1-030045	SA2 response to "Response to IETF LS on Interoperability Issues and SIP in IMS"	SA2								LS IN	S2-023678rev3, To: SA, CN, CN1, SA3, Cc:	NOTE D
N1-030046	Presence Security Architecture	SA3								LS IN	SA3-020697, To: CN1, Cc:	NOTE D
N1-030047	Reply LS on Subscriber and Equipment Trace Impacts	SA5								LS IN	S5-028619, To: RAN, RAN2, RAN3, Cc: CN1, CN4, GERAN, SA, SA2	NOTE D
N1-030048	Subscriber and Equipment Trace concepts and requirements	SA5								LS IN	S5-028626, To: CN, CN1, CN4, GERAN, SA2, Cc:	NOTE D
N1-030049	Additional Release 5 work needed for Policy Control and Subscription Control of Media	SA								LS IN	SP-020839, To: SA1, SA2, SA3, SA4, CN1, Cc: CN, CN4	NOTE D
N1-	Adoption of SDP	SA4								LS IN	S4-030092,	NOTE

030050	bandwidth modifier for RTCP										To: CN1, CN3, Cc: SA2	D
N1-030051	Reply LS on media codecs and formats for Presence and Messaging	SA4								LS IN	S4-030096, To: SA2, Cc: CN1	NOTE D
N1-030052	LS on control of SS barring for SMS transfer over GPRS	SA1								LS IN	S1-030241, To: CN, CN1, CN4, Cc: SA2	NOTE D
N1-030053	LS on Use of E164 numbers for emerging mobile systems	SA1								LS IN	S1-030276, To: CN4, Cc: SA2, CN1, T3	NOTE D
N1-030054	LS Response on requirements for one AS to be able to read and/or modify the initial filter criteria of another AS	SA2								LS IN	S2-030440, To: CN1, CN4, Cc:	NOTE D
N1-030055	Liaison on partial notification	SA2								LS IN	S2-030449, To: CN1, Cc:	LS ou in 202 by Krisztan/Nokia
N1-030056	Re: LS on LS on IMS messaging (3GPP TR 22.940)	T2								LS IN	T2-030137, To: SA2, Cc: SA1, CN1	NOTE D
N1-030057	Update to RAU procedure	3		TEI						DISC		LS ou in 206 by Kevan /3
N1-030058	Update to RAU procedure	3	24.008	TEI	3.14.0	R99	F	725		CR		POST PONE D
N1-030059	Update to RAU procedure	3	24.008	TEI	4.9.0	Rel-4	A	726		CR		POST PONE D
N1-030060	Update to RAU procedure	3	24.008	TEI	5.6.0	Rel-5	A	727		CR		POST PONE D
N1-030061	Latest version of TR 29.846	3	29.846	MBMS		Rel-6				TR		NOTE D
N1-030062	MBMS WID Update	3		MBMS		Rel-6				WID		REVIS ED TO 275
N1-030063	MBMS Introduction	3	29.846	MBMS	0.4.0	Rel-6				CR		REVIS ED TO 276
N1-030064	MBMS Activation/Deactivation Procedures	3	29.846	MBMS	0.4.0	Rel-6				CR		REVIS ED TO 277
N1-030065	MBMS Data Transfer	3	29.846	MBMS	0.4.0	Rel-6				CR		Not available
N1-	Correction on CC	Orange	24.008	TEI	3.14.0	R99	F	728		CR		AGRE

030066	Capabilities IE length											ED
N1-030067	Correction on CC Capabilities IE length	Orange	24.008	TEI	4.9.0	Rel-4	A	729		CR		AGREED
N1-030068	Correction on CC Capabilities IE length	Orange	24.008	TEI	5.6.0	Rel-5	A	730		CR		AGREED
N1-030069	Correction of tag indication in section 17.2.2.1	Orange	24.228	IMS-CCR	5.3.0	Rel-5	F	095		CR		WITHDRAWN
N1-030070	Correction in MO flows of the place of Resource Reservation block	Orange	24.228	IMS-CCR	5.3.0	Rel-5	F	096		CR		WITHDRAWN
N1-030071	488 message with a subset of allowed media parameters	Orange	24.229	IMS-CCR	5.3.0	Rel-5	F	300		CR		REVISED TO 245
N1-030072	LS on Rel 99 and later Emergency calls in case on UE attached to data only network	SA1								LS IN	S1-030247, To: CN1, SA2, Cc: GERAN2, RAN2,	LS ou in 203 by Hann /Nokia
N1-030073	Liaison on (IMS) SA handling and the lifetime of old SA pair in Network Initiated Authentication	SA3								LS IN	S3-020702, To: CN1, Cc:	LS ou in 279 by Gabo /Nokia
N1-030074	LS on Requirement to allow access to IMS by means of SIM	SA3								LS IN	S3-020704, To: SA, SA1, CN1, CN4, SA2, T3, Cc:	NOTE D
N1-030075	Response to LS on Structure of IMS Charging Identifier (ICID)	SA2								LS IN	S2-023491rev2, To: SA5, Cc: CN1, CN3, CN4,	NOTE D
N1-030076	LS Response on Inclusion of CCF/ECF addresses on Sh interface	SA2								LS IN	S2-023522rev3, To: SA5, CN4, Cc: CN1,	NOTE D
N1-030077	LS on QoS for Signalling PDP Context	SA2								LS IN	S2-030417, To: RAN3, CN1, CN4, GERAN2, Cc: RAN2,	NOTE D
N1-030078	LS on Subscribed Media	SA2								LS IN	S2-030447, To: CN4, Cc: CN1,	NOTE D
N1-030079	LS on new MSC address	SA2								LS IN	S2-030452, To: CN4, Cc: ,	WITHDRAWN
N1-030080	Handling of Emergency Numbers in P-CSCF	Nokia	24.229	IMS-CCR	5.3.0	Rel-5	F	301		CR	Not presented.	REVISED TO 239
N1-030081	Further clarification of the protocol to be used on the E-interface	Siemens	23.009	GSM/UMTS interwor	3.12.0	R99	F	091		CR		REVISED TO

				king								292
N1-030082	Further clarification of the protocol to be used on the E-interface	Siemens	23.009	GSM/UMTS interworking	4.6.0	Rel-4	A	092		CR		REVISED TO 293
N1-030083	Further clarification of the protocol to be used on the E-interface	Siemens	23.009	GSM/UMTS interworking	5.3.0	Rel-5	A	093		CR		REVISED TO 294
N1-030084	Corrections to the list of BSSMAP messages transferred on the E-interface	Siemens	09.08	GSM/UMTS interworking	8.1.0	R99	F	A141		CR		AGREED
N1-030085	Corrections to the list of BSSMAP messages transferred on the E-interface	Siemens	49.008	GSM/UMTS interworking	4.0.1	Rel-4	A	001		CR		AGREED
N1-030086	Corrections to the list of BSSMAP messages transferred on the E-interface	Siemens	49.008	GSM/UMTS interworking	5.0.0	Rel-5	A	002		CR		AGREED
N1-030087	Corrections to the list of RANAP messages transferred on the E-interface	Siemens	29.108	GSM/UMTS interworking	3.2.0	R99	F			INFO		NOTED
N1-030088	Corrections to the list of RANAP messages transferred on the E-interface	Siemens	29.108	GSM/UMTS interworking	4.3.0	Rel-4	A			INFO		NOTED
N1-030089	Corrections to the list of RANAP messages transferred on the E-interface	Siemens	29.108	GSM/UMTS interworking	5.2.0	Rel-5	A			INFO		NOTED
N1-030090	LS to RAN3 on Corrections to the list of RANAP messages transferred on the E-interface	Siemens/Robert								LS OUT	To: RAN3	AGREED
N1-030091	Use of Nb UP protocol after inter-MSC handover	Siemens	23.034	TEI5	5.1.0	Rel-5	F	008		CR		AGREED
N1-030092	Support of UMTS authentication by GERAN only terminals	Siemens	24.008	TEI5	5.6.0	Rel-5	F	731		CR		REVISED TO 213
N1-030093	USIM support in GERAN only terminals	SA3								INFO		NOTED
N1-030094	Correction of the registration state event package	Siemens / Mark	24.229	IMS-CCR	5.3.0	Rel-5	F	302		CR		REVISED TO 220
N1-030095	Correction of the registration state event package	Siemens / Mark	24.228	IMS-CCR	5.3.0	Rel-5	F	097		CR		REVISED TO 221
N1-030096	Contact header in initial registration	Lucent Technologies / Milo Orsic	24.229	IMS-CCR	5.3.0	Rel-5	F	303		CR		REJECTED

N1-030097	SAs lifetimes in P-CSCF	Lucent Technologies / Milo Orsic	24.229	IMS-CCR	5.3.0	Rel-5	F	304		CR	Not presented.	REVISED TO 210
N1-030098	User initiated de-registration at P-CSCF	Lucent Technologies / Milo Orsic	24.229	IMS-CCR	5.3.0	Rel-5	F	305		CR		REVISED TO 228
N1-030099	Network-initiated deregistration at S-CSCF.	Lucent Technologies / Milo Orsic	24.229	IMS-CCR	5.3.0	Rel-5	F	306		CR		REVISED TO 229
N1-030100	UE deregistration during established dialogs	Lucent Technologies / Milo Orsic	24.229	IMS-CCR	5.3.0	Rel-5	F	307		CR		REVISED TO 231
N1-030101	S-CSCF handling of deregistration during established dialogs	Lucent Technologies / Milo Orsic	24.229	IMS-CCR	5.3.0	Rel-5	F	308		CR		REVISED TO 232
N1-030102	S-CSCF handling of established dialogs upon deregistration	Lucent Technologies / Milo Orsic	24.229	IMS-CCR	5.3.0	Rel-5	F	309		CR		REVISED TO 233
N1-030103	S-CSCF handling of established dialogs upon registration-lifetime expiration	Lucent Technologies / Milo Orsic	24.229	IMS-CCR	5.3.0	Rel-5	F	310		CR		REVISED TO 234
N1-030104	P-CSCF handling of established dialogs upon registration-lifetime expiration	Lucent Technologies / Milo Orsic	24.229	IMS-CCR	5.3.0	Rel-5	F	311		CR		REVISED TO 235
N1-030105	Correction of Authentication procedure	Siemens	24.229	IMC-CCR	5.3.0	Rel-5	F	312		CR		REVISED TO 240
N1-030106	LS on early UE handling	RAN "Early UE" ad-hoc								LS IN	RPA-030014, To: SA2, CN1, CN4, RAN3, Cc: RAN2, GERAN,	LS ou in 201 by Kevan /3
N1-030107	Support of GERAN only terminals	Ericsson	24.008	Security	5.6.0	Rel-5	F	732		CR	Same as N1-030092. Not available.	WITH DRAWN
N1-030108	DL-Data during RAU	Siemens								DISC		NOTE D
N1-030109	Interruption of DL user data transmission during P-TMSI reallocation	Siemens	24.008	TEI6	5.6.0	Rel-6	C	733		CR	Not presented.	REVISED TO 224
N1-030110	CR to 24.841 on updating PUBLISH flow	Nortel Networks	24.841	PRESN C	0.4.0	Rel-6				CR		AGRE ED
N1-030111	CR to 24.841 on updating the 3GPP Subscriber Attributes and Values	Nortel Networks	24.841	PRESN C	0.4.0	Rel-6				CR		REVISED TO 272
N1-030112	CR to 24.841 on Watcher Identity Verification	Nortel Networks	24.841	PRESN C	0.4.0	Rel-6				CR		NOTE D

N1-030113	CR to 24.841 on Usage of Publish at the UE	Nortel Networks	24.841	PRESN C	0.4.0	Rel-6				CR		REVISED TO 274
N1-030114	High multislot classes for type 1 mobiles	GERAN	24.008	TEI5	5.6.0	Rel-5	F	737		CR		REVISED TO 115
N1-030115	High multislot classes for type 1 mobiles	Nokia	24.008	TEI5	5.6.0	Rel-5	F	737	1	CR		AGREED
N1-030116	MS RAC for UMTS only terminal	Nokia	24.008	TEI	3.14.0	R99	F	734		CR		REVISED TO 207
N1-030117	MS RAC for UMTS only terminal	Nokia	24.008	TEI	4.9.0	Rel-4	A	735		CR		REVISED TO 208
N1-030118	MS RAC for UMTS only terminal	Nokia	24.008	TEI	5.6.0	Rel-5	A	736		CR		REVISED TO 209
N1-030119	Proposed extension of the scope of 29.994	Nokia	29.994	TEI5	5.0.1	Rel-5	F	A017		CR		REPLACED BY 139
N1-030120	General update to clauses 7 and 8	Ericsson/M. Garcia	24.228	IMS-CCR	5.3.0	Rel-5	F	098		CR		REVISED TO 247
N1-030121	General update to clauses 17 and 18	Ericsson/M. Garcia	24.228	IMS-CCR	5.3.0	Rel-5	F	099		CR		REVISED TO 248
N1-030122	General update to clause 10	Ericsson/M. Garcia	24.228	IMS-CCR	5.3.0	Rel-5	F	100		CR		REVISED TO 249
N1-030123	Missing updates	Ericsson/M. Garcia								DISC	Not presented.	REVISED TO 199
N1-030124	Use of SIP Security Agreement in IMS	Ericsson/M. Garcia								DISC		NOTE D
N1-030125	External watcher authorization	Ericsson/M. Garcia	24.841	PRESN C	0.4.0	Rel-6				CR		REVISED TO 273
N1-030126	RFC 3455	Ericsson, Lucent, Vodafone								INFO		NOTE D
N1-030127	Mixed Path header and Service-Route operation	Ericsson/M. Garcia	24.229	IMS-CCR	5.3.0	Rel-5	F	313		CR		AGREED
N1-030128	Clarification on Sh interface for charging purposes	NEC/Yukio Kawanami	23.218	IMS - CCR	5.3.0	Rel-5	F	040		CR		REVISED TO 263

N1-030129	Clarifications on definition of Service Point Trigger, etc.	NEC/Yukio Kawanami	23.218	IMS - CCR	5.3.0	Rel-5	F	041		CR		REJECTED
N1-030130	Clarifications on S-CSCF procedures for accessing AS	NEC/Yukio Kawanami	24.229	IMS - CCR	5.3.0	Rel-5	F	314		CR		REJECTED
N1-030131	Clarifications on updating the authorization token	NEC/Yukio Kawanami	24.229	IMS - CCR	5.3.0	Rel-5	F	315		CR	Not presented.	REVISED TO 215
N1-030132	Clarification on ASs within Trusted domain	NEC/Yukio Kawanami	24.229	IMS - CCR	5.3.0	Rel-5	F	316		CR		REJECTED
N1-030133	The principles of the usage of SIP/SDP	NEC/Yukio Kawanami	24.229	IMS - CCR	5.3.0	Rel-5	F	317		CR		REJECTED
N1-030134	Consideration of P-CSCF/PDF	NEC/Yukio Kawanami	24.229	IMS - CCR	5.3.0	Rel-5	F	318		CR		REVISED TO 264
N1-030135	Clarification on GPRS charging information	NEC/Yukio Kawanami	24.229	IMS - CCR	5.3.0	Rel-5	F	319		CR		REVISED TO 265
N1-030136	Clarifications of media flow procedure	NEC/Yukio Kawanami	24.229	IMS - CCR	5.3.0	Rel-5	F	320		CR		REJECTED
N1-030137	Removal of the S reference point within the MS	Siemens	24.002	TEI4	4.0.0	Rel-4	F	002		CR		REVISED TO 211
N1-030138	Removal of the S reference point within the MS	Siemens	24.002	TEI4	5.0.0	Rel-5	A	003		CR		REVISED TO 212
N1-030139	Proposed new TR 29.abc Recommended User Equipment (UE) measures to overcome specific infrastructure faults"	Nokia	29.abc			Rel-6				TR		REVISED TO 223
N1-030140	Signalling PDP Context Indication to Core Network	Vodafone / Duncan Mills	24.008	IMS-CCR	5.6.0	Rel-5	F	738		CR	Not presented.	REVISED TO 204
N1-030141	Signalling PDP Context Indication to Core Network	Vodafone / Duncan Mills	24.229	IMS-CCR	5.3.0	Rel-5	F	321		CR	Not presented.	REVISED TO 205
N1-030142	Motivation for ROHC in SNDCP	Ericsson L.M.								DISC		NOTE D
N1-030143	Additional support of ROHC in SNDCP	Ericsson L.M.	44.065	TEI6	5.0.0	Rel-6	B	004		CR	LS out in 278.	POST PONE D
N1-030144	CR to 24.841: Clause 6.1.2.1 revisions to include P-CSCF and S-CSCF storage	Lucent Technologies / Keith Drage	24.841	PRESN C	0.4.0	Rel-6				CR		POST PONE D
N1-	CR to 24.841: Clause	Lucent	24.841	PRESN	0.4.0	Rel-				CR		POST

030145	6.1.3.1 revisions to include P-CSCF and S-CSCF storage	Technologies / Keith Drage		C		6						PONED
N1-030146	CR to 24.841: Clause 6.1.3.2 revisions to include P-CSCF and S-CSCF storage	Lucent Technologies / Keith Drage	24.841	PRESNC	0.4.0	Rel-6				CR		POSTPONED
N1-030147	CR to 24.841: Clause 6.1.4.1 revisions to include P-CSCF and S-CSCF storage	Lucent Technologies / Keith Drage	24.841	PRESNC	0.4.0	Rel-6				CR		POSTPONED
N1-030148	CR to 24.841: Clause 6.4 revisions to include P-CSCF and S-CSCF storage	Lucent Technologies / Keith Drage	24.841	PRESNC	0.4.0	Rel-6				CR		POSTPONED
N1-030149	An analysis of the requirements for the P-Associated-URI header	Lucent Technologies / Keith Drage		IMS-CCR						INFO		NOTED
N1-030150	An analysis of the requirements for the P-Called-Party-ID header	Lucent Technologies / Keith Drage		IMS-CCR						INFO		NOTED
N1-030151	An analysis of the requirements for the P-Visited-Network-ID header	Lucent Technologies / Keith Drage		IMS-CCR						INFO		NOTED
N1-030152	An analysis of the requirements for the P-Access-Network-Info header	Lucent Technologies / Keith Drage		IMS-CCR						INFO		NOTED
N1-030153	An analysis of the requirements for the P-Charging-Function-Addresses header	Lucent Technologies / Keith Drage		IMS-CCR						INFO		NOTED
N1-030154	An analysis of the requirements for the P-Charging-Vector header	Lucent Technologies / Keith Drage		IMS-CCR						INFO		NOTED
N1-030155	3GPP P-header inclusion in SIP profile	Lucent Technologies / Keith Drage	24.229	IMS-CCR	5.3.0	Rel-5	F	322		CR		POSTPONED
N1-030156	P-Access-Network-Info procedure corrections for the UE	Lucent Technologies / Keith Drage	24.229	IMS-CCR	5.3.0	Rel-5	F	323		CR		REVISED TO 250
N1-030157	P-Access-Network-Info procedure corrections for the S-CSCF	Lucent Technologies / Keith Drage	24.229	IMS-CCR	5.3.0	Rel-5	F	324		CR		REVISED TO 251
N1-030158	Usage of P-Asserted-Identity and P-Preferred-Identity headers	Nokia	24.229	IMS-CCR	5.3.0	Rel-5	F	325		CR		REVISED TO 259
N1-030159	Updating user agent related profile tables	Nokia	24.229	IMS-CCR	5.3.0	Rel-5	F	326		CR		REVISED TO 260
N1-030160	Session setup for non-real time media	Nokia								DISC		NOTED

	components											
N1-030161	Implementation of new frequency ranges into 24.008	GERAN	24.008	T-GSM	5.6.0	Rel-6	B	739		CR		REPLACED BY 162
N1-030162	Implementation of new frequency ranges into 24.008	Nokia	24.008	T-GSM	5.6.0	Rel-6	B	739	1	CR		REVISED TO 270
N1-030163	Missing IEI definition in locking shift (CC) IE and non-locking shift (CC) IE	Siemens AG	24.008	TEI5	5.6.0	Rel-5	F	740		CR		REVISED TO 214
N1-030164	Combined RAU successful for GPRS only, missing GMM cause IE	Siemens AG	24.008	TEI5	5.6.0	Rel-5	F	741		CR		Revised to 216
N1-030165	SMS over GPRS disabled	DoCoMo	04.11	TEI	6.1.0	R97	F	A027		CR		POSTPONED
N1-030166	SMS over GPRS disabled	DoCoMo	04.11	TEI	7.1.0	R98	A	A028		CR		POSTPONED
N1-030167	SMS over GPRS disabled	DoCoMo	24.011	TEI	3.6.0	R99	A	025		CR		POSTPONED
N1-030168	SMS over GPRS disabled	DoCoMo	24.011	TEI	4.1.1	Rel-4	A	026		CR		POSTPONED
N1-030169	Emergency Calls for IP& PS Based Calls, update of WID structure	Ericsson / A Monrad				Rel-6				INFO		NOTE D
N1-030170	Emergency Calls for IP& PS Based Calls - stage 3	Ericsson / A Monrad		EMC1-PS		Rel-6				WID		REVISED TO 217
N1-030171	Cleanup and clarification to the registration and authentication procedure	Ericsson / A Monrad	24.229	IMS-CCR	5.3.0	Rel-5	F	327		CR		REVISED TO 241
N1-030172	Corrections to the reg event package	Ericsson / A Monrad	24.229	IMS-CCR	5.3.0	Rel-5	F	328		CR		REVISED TO 230
N1-030173	Correction of SDP for the UE	Ericsson / A Monrad	24.229	IMS-CCR	5.3.0	Rel-5	F	329		CR		POSTPONED
N1-030174	Clarifications for setting up separate PDP contexts in case of SBLP	Ericsson / A Monrad	24.229	IMS-CCR	5.3.0	Rel-5	F	330		CR		REVISED TO 252
N1-030175	Handling of the P-Media-Autohorization header	Ericsson / A Monrad	24.229	IMS-CCR	5.3.0	Rel-5	F	331		CR		REVISED TO 254
N1-030176	Change of IP address for the UE	Ericsson / A Monrad	24.229	IMS-CCR	5.3.0	Rel-5	F	332		CR	Not presented.	REVISED TO 238

N1-030177	Removal of P-Asserted-Identity from clause 7 of 24.229	Ericsson / A Monrad	24.229	IMS-CCR	5.3.0	Rel-5	F	333		CR	Not presented.	REVISED TO 246
N1-030178	TS 27.001 and TS 24.008 misalignment	Ericsson		TEI						DISC		NOTED
N1-030179	Bearer Capability IE - Misalignment with TS 27.001	Ericsson	24.008	TEI	3.14.0	R99	F	742		CR		POSTPONED
N1-030180	Bearer Capability IE - Misalignment with TS 27.001	Ericsson	24.008	TEI	4.9.0	Rel-4	A	743		CR	Not available.	WITHDRAWN
N1-030181	Bearer Capability IE - Misalignment with TS 27.001	Ericsson	24.008	TEI	5.6.0	Rel-5	A	744		CR	Not available.	WITHDRAWN
N1-030182	P-CSCF general procedure corrections	Lucent Technologies / Keith Drage	24.229	IMS-CCR	5.3.0	Rel-5	F	334		CR		AGREED
N1-030183	WLAN Interworking - stage 3 definition of WLAN - 3GPP interworking	Nokia								WID		NOTED
N1-030184	GPRS procedures for IMS emergency sessions	Nokia	24.008	EMC1-PS	5.6.0	Rel-6	B	745		CR		POSTPONED
N1-030185	Allowing IMS access with SIM	T-Mobile	24.228	IMS-CCR	5.3.0	Rel-5	C	094	1	CR	Revised from 026	REVISED TO 257
N1-030186	Allowing IMS access with SIM	T-Mobile	24.229	IMS-CCR	5.3.0	Rel-5	C	299	1	CR	Revised from 027	REVISED TO 258
N1-030187	Inclusion of existing stable SIMPLE material	Nokia/Kristian Kiss	24.841	PRESNC	0.4.0	Rel-6				CR		Not available
N1-030188	Update of the call flow examples	Nokia/Kristian Kiss	24.841	PRESNC	0.4.0	Rel-6				CR	Not presented.	REVISED TO 237
N1-030189	Correction on 17.3.2	Nokia/Kristian Kiss	24.228	IMS-CCR	5.3.0	Rel-5	F	101		CR		WITHDRAWN
N1-030190	General update to clauses 6 and 16	Nokia/Kristian Kiss	24.228	IMS-CCR	5.3.0	Rel-5	F	102		CR		REVISED TO 242
N1-030191	Usage of Contact in UE's registration procedure	Nokia/Kristian Kiss	24.229	IMS-CCR	5.3.0	Rel-5	F	335		CR		REVISED TO 222
N1-030192	Correction related to MO/MT selection in S-CSCF	Nokia/Kristian Kiss	24.229	IMS-CCR	5.3.0	Rel-5	F	336		CR		WITHDRAWN
N1-030193	Usage of P-Asserted-Identity for responses	Nokia/Kristian Kiss	24.229	IMS-CCR	5.3.0	Rel-5	F	337		CR		AGREED
N1-	Addition of missing	Nokia/Kris	24.229	IMS-	5.3.0	Rel-	F	338		CR	Not presented.	REVIS

030194	Privacy descriptions to 24.229	ztian Kiss		CCR		5						ED TO 236
N1-030195	Authorization for registration event package	Nokia/Krisztian Kiss	24.229	IMS-CCR	5.3.0	Rel-5	F	339		CR		REVISED TO 244
N1-030196	Correction on S-CSCF behaviour when all public user identities of the UE has been deregistered	Nokia/Krisztian Kiss	24.229	IMS-CCR	5.3.0	Rel-5	F	340		CR		REJECTED
N1-030197	Correction related to implicit public user identities in third party REGISTER	Nokia/Krisztian Kiss	23.218	IMS-CCR	5.3.0	Rel-5	F	042		CR		AGREED
N1-030198	Discussion paper on documentation of Conferencing	Nokia								DISC		NOTED
N1-030199	Missing updates	Ericsson/M. Garcia								DISC	Revised from 123	NOTED
N1-030200	LS Response on requirements for one AS to be able to read and/or modify the initial filter criteria of another AS	Peter/Siemens								LS OUT	Linked to 033. To: CN4, Cc: SA2	AGREED
N1-030201	LS on Early UE Handling	Kevan/3								LS OUT	Linked to 106.To: RAN3, CN4, SA2, Cc: RAN2, GERAN2, RAN, SA,	AGREED
N1-030202	LS response on partial notification	Krisztian/Nokia								LS OUT	Linked to 055. To: SA2, Cc:	REVISED TO 306
N1-030203	LS on R99 and later emergency calls when attached to data only network	Hannu/Nokia								LS OUT	Linked to 072. To: SA1, SA2, Ccc: GERAN2, RAN2	REVISED TO 302
N1-030204	Signalling PDP Context Indication to Core Network	Vodafone / Duncan Mills	24.008	IMS-CCR	5.6.0	Rel-5	F	738	1	CR	Revised from 140	REVISED TO 266
N1-030205	Signalling PDP Context Indication to Core Network	Vodafone / Duncan Mills	24.229	IMS-CCR	5.3.0	Rel-5	F	321	1	CR	Revised from 141	REVISED TO 267
N1-030206		Kevan/3								LS OUT	Linked to 057. To: RAN2	REVISED TO 262
N1-030207	MS RAC for UMTS only terminal	Nokia	24.008	TEI	3.14.0	R99	F	734	1	CR	Revised from 116. LS out in 291 by Hanny/Nokia	AGREED
N1-030208	MS RAC for UMTS only terminal	Nokia	24.008	TEI	4.9.0	Rel-4	A	735	1	CR	Revised from 117	AGREED

N1-030209	MS RAC for UMTS only terminal	Nokia	24.008	TEI	5.6.0	Rel-5	A	736	1	CR	Revised from 118	AGREED
N1-030210	SAs lifetimes in P-CSCF	Lucent Technologies / Milo Orsic	24.229	IMS-CCR	5.3.0	Rel-5	F	304	1	CR	Revised from 097	REVISED TO 280
N1-030211	Removal of the S reference point within the MS	Siemens	24.002	TEI4	4.0.0	Rel-4	F	002	1	CR	Revised from 137	AGREED
N1-030212	Removal of the S reference point within the MS	Siemens	24.002	TEI4	5.0.0	Rel-5	A	003	1	CR	Revised from 138	AGREED
N1-030213	Support of UMTS authentication by GERAN only terminals	Siemens	24.008	TEI5	5.6.0	Rel-5	F	731	1	CR	Revised from 092	AGREED
N1-030214	Missing IEI definition in locking shift (CC) IE and non-locking shift (CC) IE	Siemens AG	24.008	TEI5	5.6.0	Rel-5	F	740	1	CR	Revised from 163	AGREED
N1-030215	Clarifications on updating the authorization token	NEC/Yukio Kawanami	24.229	IMS - CCR	5.3.0	Rel-5	F	315	1	CR	Revised from 131	REVISED TO 255
N1-030216	Combined RAU successful for GPRS only, missing GMM cause IE	Siemens AG	24.008	TEI5	5.6.0	Rel-5	F	741	1	CR	Revised from 164	AGREED
N1-030217	Emergency Calls for IP& PS Based Calls - stage 3	Ericsson / A Monrad		EMC1-PS		Rel-6				WID	Revised from 170	AGREED
N1-030218	???????????	Atle/Ericsson								LS OUT	Linked to 217. Not presented.	REVISED TO 271
N1-030219	Allowing IMS access with SIM	T-Mobile								DISC	Revised from 028	NOTED
N1-030220	Correction of the registration state event package	Siemens / Mark	24.229	IMS-CCR	5.3.0	Rel-5	F	302	1	CR	Revised from 094	REVISED TO 268
N1-030221	Correction of the registration state event package	Siemens / Mark	24.228	IMS-CCR	5.3.0	Rel-5	F	097	1	CR	Revised from 095	REVISED TO 269
N1-030222	Usage of Contact in UE's registration procedure	Nokia/Kristian Kiss	24.229	IMS-CCR	5.3.0	Rel-5	F	335	1	CR	Revised from 191	REVISED TO 281
N1-030223	Proposed new TR 29.abc Recommended User Equipment (UE) measures to overcome specific infrastructure faults"	Nokia	29.abc			Rel-6				TR	Revised from 139. LS out in 290 to CN and GERAN by Hannu/Nokia	NOTED
N1-030224	Interruption of DL user data transmission during P-TMSI reallocation	Siemens	24.008	TEI6	5.6.0	Rel-6	C	733	1	CR	Revised from 109	AGREED

N1-030225	LS on terminal and network revision interoperability problems	GERAN								LS IN	GP-030322, To: GSMA Board, Cc: CN1	NOTE D
N1-030226	Reply to LS on Rel 99 and later Emergency calls in case on UE attached to data only network	GERAN1								LS IN	GP-030372, To: SA1, Cc: RAN2, CN1, SA2	NOTE D
N1-030227	LS on "MS capability indication of Enhanced Power Control"	GERAN								LS IN	GP-030409, To: CN1, Cc:	NOTE D
N1-030228	User initiated de-registration at P-CSCF	Lucent Technologies / Milo Orsic	24.229	IMS-CCR	5.3.0	Rel-5	F	305	1	CR	Revised from 098	REVIS ED TO 295
N1-030229	Network-initiated deregistration at S-CSCF.	Lucent Technologies / Milo Orsic	24.229	IMS-CCR	5.3.0	Rel-5	F	306	1	CR	Revised from 099	REVIS ED TO 296
N1-030230	Corrections to the reg event package	Ericsson / A Monrad	24.229	IMS-CCR	5.3.0	Rel-5	F	328	1	CR	Revised from 172	AGRE ED
N1-030231	UE deregistration during established dialogs	Lucent Technologies / Milo Orsic	24.229	IMS-CCR	5.3.0	Rel-5	F	307	1	CR	Revised from 100	REVIS ED TO 297
N1-030232	S-CSCF handling of deregistration during established dialogs	Lucent Technologies / Milo Orsic	24.229	IMS-CCR	5.3.0	Rel-5	F	308	1	CR	Revised from 101	REVIS ED TO 298
N1-030233	S-CSCF handling of established dialogs upon deregistration	Lucent Technologies / Milo Orsic	24.229	IMS-CCR	5.3.0	Rel-5	F	309	1	CR	Revised from 102	AGRE ED
N1-030234	S-CSCF handling of established dialogs upon registration-lifetime expiration	Lucent Technologies / Milo Orsic	24.229	IMS-CCR	5.3.0	Rel-5	F	310	1	CR	Revised from 103	REVIS ED TO 299
N1-030235	P-CSCF handling of established dialogs upon registration-lifetime expiration	Lucent Technologies / Milo Orsic	24.229	IMS-CCR	5.3.0	Rel-5	F	311	1	CR	Revised from 104	AGRE ED
N1-030236	Addition of missing Privacy descriptions to 24.229	Nokia/Krisztian Kiss	24.229	IMS-CCR	5.3.0	Rel-5	F	338	1	CR	Revised from 194	REVIS ED TO 256
N1-030237	Update of the call flow examples	Nokia/Krisztian Kiss	24.841	PRESN C	0.4.0	Rel-6				CR	Revised from 188	AGRE ED
N1-030238	Change of IP address for the UE	Ericsson / A Monrad	24.229	IMS-CCR	5.3.0	Rel-5	F	332	1	CR	Revised from 176	POST PONE D
N1-030239	Handling of Emergency Numbers in P-CSCF	Nokia	24.229	IMS-CCR	5.3.0	Rel-5	F	301	1	CR	Revised from 080	AGRE ED
N1-030240	Correction of Authentication procedure	Siemens	24.229	IMS-CCR	5.3.0	Rel-5	F	312	1	CR	Revised from 105	AGRE ED
N1-	Cleanup and	Ericsson /	24.229	IMS-	5.3.0	Rel-	F	327	1	CR	Revised from	REVIS

030241	clarification to the registration and authentication procedure	A Monrad		CCR		5					171	ED TO 282
N1-030242	General update to clauses 6 and 16	Nokia/Kristian Kiss	24.228	IMS-CCR	5.3.0	Rel-5	F	102	1	CR	Revised from 190	REVISED TO 283
N1-030243	P-CSCF subscription to reg event	Ericsson/Miguel	24.229	IMS-CCR	5.3.0	Rel-5	F	341		CR	Linked to 242.	REVISED TO 284
N1-030244	Authorization for registration event package	Nokia/Kristian Kiss	24.229	IMS-CCR	5.3.0	Rel-5	F	339	1	CR	Revised from 195	REVISED TO 285
N1-030245	488 message with a subset of allowed media parameters	Orange	24.229	IMS-CCR	5.3.0	Rel-5	F	300	1	CR	Revised from 071	AGREED
N1-030246	Removal of P-Asserted-Identity from clause 7 of 24.229	Ericsson / A Monrad	24.229	IMS-CCR	5.3.0	Rel-5	F	333	1	CR	Revised from 177	REVISED TO 286
N1-030247	General update to clauses 7 and 8	Ericsson/M. Garcia	24.228	IMS-CCR	5.3.0	Rel-5	F	098	1	CR	Revised from 120	AGREED
N1-030248	General update to clauses 17 and 18	Ericsson/M. Garcia	24.228	IMS-CCR	5.3.0	Rel-5	F	099	1	CR	Revised from 121	AGREED
N1-030249	General update to clause 10	Ericsson/M. Garcia	24.228	IMS-CCR	5.3.0	Rel-5	F	100	1	CR	Revised from 122	AGREED
N1-030250	P-Access-Network-Info procedure corrections for the UE	Lucent Technologies / Keith Drage	24.229	IMS-CCR	5.3.0	Rel-5	F	323	1	CR	Revised from 156	AGREED
N1-030251	P-Access-Network-Info procedure corrections for the S-CSCF	Lucent Technologies / Keith Drage	24.229	IMS-CCR	5.3.0	Rel-5	F	324	1	CR	Revised from 157	AGREED
N1-030252	Clarifications for setting up separate PDP contexts in case of SBLP	Ericsson / A Monrad	24.229	IMS-CCR	5.3.0	Rel-5	F	330	1	CR	Revised from 174	REVISED TO 288
N1-030253	Enhanced Power Control (EPC) information in classmark 3	Ericsson/Chen	24.008	TEI5	5.6.0	Rel-5	F	746		CR	Linked to 227	AGREED
N1-030254	Handling of the P-Media-Autoauthorization header	Ericsson / A Monrad	24.229	IMS-CCR	5.3.0	Rel-5	F	331	1	CR	Revised from 175	REVISED TO 289
N1-030255	Clarifications on updating the authorization token	NEC/Yukio Kawanami	24.229	IMS-CCR	5.3.0	Rel-5	F	315	2	CR	Revised from 131 and 215	AGREED
N1-030256	Addition of missing Privacy descriptions to 24.229	Nokia/Kristian Kiss	24.229	IMS-CCR	5.3.0	Rel-5	F	338	2	CR	Revised from 194 and 236	REJECTED
N1-030257	Allowing IMS access with SIM	T-Mobile	24.228	IMS-CCR	5.3.0	Rel-5	C	094	2	CR	Revised from 026 and 185	AGREED

N1-030258	Allowing IMS access with SIM	T-Mobile	24.229	IMS-CCR	5.3.0	Rel-5	C	299	2	CR	Revised from 027 and 186	AGREED
N1-030259	Usage of P-Asserted-Identity and P-Preferred-Identity headers	Nokia	24.229	IMS-CCR	5.3.0	Rel-5	F	325	1	CR	Revised from 158	POSTPONED
N1-030260	Updating user agent related profile tables	Nokia	24.229	IMS-CCR	5.3.0	Rel-5	F	326	1	CR	Revised from 159	AGREED
N1-030261	Network asserted identity procedure corrections for the UE	Lucent Technologies / Keith Drage	24.229	IMS-CCR	5.3.0	Rel-5	F	293	1	CR	Revised from 017	AGREED
N1-030262	Liaison statement on Missed Paging due to UE and Network RRC State out of synchronisation	Kevan/3								LS OUT	Linked to 057. To: RAN2 Revised from 206.	AGREED
N1-030263	Clarification on Sh interface for charging purposes	NEC/Yukio Kawanami	23.218	IMS - CCR	5.3.0	Rel-5	F	040	1	CR	Revised from 128	REVISED TO 309
N1-030264	Consideration of P-CSCF/PDF	NEC/Yukio Kawanami	24.229	IMS - CCR	5.3.0	Rel-5	F	318	1	CR	Revised from 134	REVISED TO 307
N1-030265	Clarification on GPRS charging information	NEC/Yukio Kawanami	24.229	IMS - CCR	5.3.0	Rel-5	F	319	1	CR	Revised from 135	REVISED TO 308
N1-030266	Signalling PDP Context Indication to Core Network	Vodafone / Duncan Mills	24.008	IMS-CCR	5.6.0	Rel-5	F	738	2	CR	Revised from 140 and 204	AGREED
N1-030267	Signalling PDP Context Indication to Core Network	Vodafone / Duncan Mills	24.229	IMS-CCR	5.3.0	Rel-5	F	321	2	CR	Revised from 141 and 205	AGREED
N1-030268	Correction of the registration state event package	Siemens / Mark	24.229	IMS-CCR	5.3.0	Rel-5	F	302	2	CR	Revised from 094 and 220	AGREED
N1-030269	Correction of the registration state event package	Siemens / Mark	24.228	IMS-CCR	5.3.0	Rel-5	F	097	2	CR	Revised from 095 and 221	AGREED
N1-030270	Implementation of new frequency ranges into 24.008	Nokia	24.008	T-GSM	5.6.0	Rel-6	B	739	2	CR	Revised from 162	AGREED
N1-030271	LS on updated WID for emergency call enhancements for IP & PS based calls	Atle/Ericsson								LS OUT	Linked to 217. Revised from 218. To: SA1, SA2, SA3, CN, CN3, CN4, RAN2, RAN3, GERAN2, GERAN3, T3, Cc:	AGREED
N1-030272	CR to 24.841 on updating the 3GPP Subscriber Attributes and Values	Nortel Networks	24.841	PRESNC	0.4.0	Rel-6				CR	Revised from 111	AGREED

N1-030273	External watcher authorization	Ericsson/ M. Garcia	24.841	PRESN C	0.4.0	Rel-6				CR	Revised from 125	AGRE ED
N1-030274	CR to 24.841 on Usage of Publish at the UE	Nortel Networks	24.841	PRESN C	0.4.0	Rel-6				CR	Revised from 113	AGRE ED
N1-030275	MBMS WID Update	3/Hatif		MBMS		Rel-6				WID	Revised from 062	AGRE ED
N1-030276	MBMS Introduction	3	29.846	MBMS	0.4.0	Rel-6				CR	Revised from 063. Not available.	WITH DRA WN
N1-030277	MBMS Activation/Deactivation Procedures	3	29.846	MBMS	0.4.0	Rel-6				CR	Revised from 064	AGRE ED
N1-030278	LS on support of ROHC in TS 44.065 (SNDP)	Stefan/Ericsson								LS OUT	Linked to 143. To: GERAN2	REVIS ED TO 303
N1-030279	?????????	Gabor/Nokia								LS OUT	Linked to 073. To: SA3. Not available.	WITH DRA WN
N1-030280	SAs lifetimes in P-CSCF	Lucent Technologies / Milo Orsic	24.229	IMS-CCR	5.3.0	Rel-5	F	304	2	CR	Revised from 097 and 210	POST PONE D
N1-030281	Usage of Contact in UE's registration procedure	Nokia/Kristian Kiss	24.229	IMS-CCR	5.3.0	Rel-5	F	335	2	CR	Revised from 191 and 222	AGRE ED
N1-030282	Cleanup and clarification to the registration and authentication procedure	Ericsson / A Monrad	24.229	IMS-CCR	5.3.0	Rel-5	F	327	2	CR	Revised from 171 and 241	AGRE ED
N1-030283	General update to clauses 6 and 16	Nokia/Kristian Kiss	24.228	IMS-CCR	5.3.0	Rel-5	F	102	2	CR	Revised from 190 and 242	AGRE ED
N1-030284	P-CSCF subscription to reg event	Ericsson/Miguel	24.229	IMS-CCR	5.3.0	Rel-5	F	341	1	CR	Linked to 242. Revised from 243	AGRE ED
N1-030285	Authorization for registration event package	Nokia/Kristian Kiss	24.229	IMS-CCR	5.3.0	Rel-5	F	339	2	CR	Revised from 195 and 244	AGRE ED
N1-030286	Removal of P-Asserted-Identity from clause 7 of 24.229	Ericsson / A Monrad	24.229	IMS-CCR	5.3.0	Rel-5	F	333	2	CR	Revised from 177 and 246	REVIS ED TO 310
N1-030287	Reference corrections	Lucent Technologies / Keith Drage	24.229	IMS-CCR	5.3.0	Rel-5	F	297	1	CR	Revised from 024	REVIS ED TO 301
N1-030288	Clarifications for setting up separate PDP contexts in case of SBLP	Ericsson / A Monrad	24.229	IMS-CCR	5.3.0	Rel-5	F	330	2	CR	Revised from 174 and 252	AGRE ED
N1-030289	Handling of the P-Media-Autohorization header	Ericsson / A Monrad	24.229	IMS-CCR	5.3.0	Rel-5	F	331	2	CR	Revised from 175 and 254	AGRE ED
N1-030290	LS on proposed new TR on GSM phase 2	Hannu/Nokia								LS OUT	Linked to 223. To: CN, Cc:	REVIS ED

	network error workarounds										GERAN	TO 305
N1-030291	LS on MS RAC for UMTS only mobiles	Hannu/Nokia								LS OUT	Linked to 207. To: GERAN2, Cc: CN	REVISED TO 304
N1-030292	Further clarification of the protocol to be used on the E-interface	Siemens	23.009	GSM/UMTS interworking	3.12.0	R99	F	091	1	CR	Revised from 081	AGREED
N1-030293	Further clarification of the protocol to be used on the E-interface	Siemens	23.009	GSM/UMTS interworking	4.6.0	Rel-4	A	092	1	CR	Revised from 082	AGREED
N1-030294	Further clarification of the protocol to be used on the E-interface	Siemens	23.009	GSM/UMTS interworking	5.3.0	Rel-5	A	093	1	CR	Revised from 083	AGREED
N1-030295	User initiated deregistration at P-CSCF	Lucent Technologies / Milo Orsic	24.229	IMS-CCR	5.3.0	Rel-5	F	305	2	CR	Revised from 098 and 228	AGREED
N1-030296	Network-initiated deregistration at S-CSCF.	Lucent Technologies / Milo Orsic	24.229	IMS-CCR	5.3.0	Rel-5	F	306	2	CR	Revised from 099 and 229	AGREED
N1-030297	UE deregistration during established dialogs	Lucent Technologies / Milo Orsic	24.229	IMS-CCR	5.3.0	Rel-5	F	307	2	CR	Revised from 100 and 231	AGREED
N1-030298	S-CSCF handling of deregistration during established dialogs	Lucent Technologies / Milo Orsic	24.229	IMS-CCR	5.3.0	Rel-5	F	308	2	CR	Revised from 101 and 232	AGREED
N1-030299	S-CSCF handling of established dialogs upon registration-lifetime expiration	Lucent Technologies / Milo Orsic	24.229	IMS-CCR	5.3.0	Rel-5	F	310	2	CR	Revised from 103 and 234	AGREED
N1-030300	Asserted identity inclusion in SIP profile	Lucent Technologies / Ericsson	24.229	IMS-CCR	5.3.0	Rel-5	F	294	1	CR	Revised from 018	AGREED
N1-030301	Reference corrections	Lucent Technologies / Keith Drage	24.229	IMS-CCR	5.3.0	Rel-5	F	297	2	CR	Revised from 024 and 287	AGREED
N1-030302	LS on R99 and later emergency calls when attached to data only network	Hannu/Nokia								LS OUT	Linked to 072. To: SA1, SA2, Cc: GERAN2, RAN2. Revised from 203	AGREED
N1-030303	LS on support of ROHC in TS 44.065 (SNDCCP)	Stefan/Ericsson								LS OUT	Linked to 143. To: GERAN2, Cc: . Revised from 278	AGREED
N1-030304	LS on MS RAC for UMTS only mobiles	Hannu/Nokia								LS OUT	Linked to 207. To: GERAN2, Cc: CN. Revised from 291	AGREED

N1-030305	LS on GSM phase 2 network errors	Hannu/Nokia									LS OUT	Linked to 223. To: CN, Cc: GERAN. Revised from 290	AGREED
N1-030306	LS response on partial notification	Krisztian/Nokia									LS OUT	Linked to 055. To: SA2, Cc: . Revised from 202	AGREED
N1-030307	Consideration of P-CSCF/PDF	NEC/Yukio Kawanami	24.229	IMS-CCR	5.3.0	Rel-5	F	318	2	CR		Revised from 134 and 264	AGREED
N1-030308	Clarification on GPRS charging information	NEC/Yukio Kawanami	24.229	IMS-CCR	5.3.0	Rel-5	F	319	2	CR		Revised from 135 and 265	AGREED
N1-030309	Clarification on Sh interface for charging purposes	NEC/Yukio Kawanami	23.218	IMS-CCR	5.3.0	Rel-5	F	040	2	CR		Revised from 128 and 263	AGREED
N1-030310	Removal of P-Asserted-Identity from clause 7 of 24.229	Ericsson / A Monrad	24.229	IMS-CCR	5.3.0	Rel-5	F	333	3	CR		Revised from 177 and 246 and 286	AGREED

Annex E Liaison Statements OUT

Type	TDoc #	Status	Source	Tdoc Title	WI	Rel	Comments
LS OUT	N1-030090	AGREED	Siemens/Robert	LS to RAN3 on Corrections to the list of RANAP messages transferred on the E-interface			Linked to 181 to 189. To: RAN3
LS OUT	N1-030200	AGREED	Peter/Siemens	LS Response on requirements for one AS to be able to read and/or modify the initial filter criteria of another AS			Linked to 033. To: CN4, Cc: SA2
LS OUT	N1-030201	AGREED	Kevan/3	LS on Early UE Handling			Linked to 106. To: RAN3, CN4, SA2, Cc: RAN2, GERAN2, RAN, SA,
LS OUT	N1-030262	AGREED	Kevan/3	Liaison statement on Missed Paging due to UE and Network RRC State out of synchronisation			Linked to 057. To: RAN2 Revised from 206.
LS OUT	N1-030271	AGREED	Atle/Ericsson	LS on updated WID for emergency call enhancements for IP & PS based calls			Linked to 217. Revised from 218. To: SA1, SA2, SA3, CN, CN3, CN4, RAN2, RAN3, GERAN2, GERAN3, T3, Cc:
LS OUT	N1-030302	AGREED	Hannu/Nokia	LS on R99 and later emergency calls when attached to data only network			Linked to 072. To: SA1, SA2, Cc: GERAN2, RAN2. Revised from 203
LS OUT	N1-030303	AGREED	Stefan/Ericsson	LS on support of ROHC in TS 44.065 (SNDP)			Linked to 143. To: GERAN2, Cc: . Revised from 278
LS OUT	N1-030304	AGREED	Hannu/Nokia	LS on MS RAC for UMTS only			Linked to 207.

				mobiles		To: GERAN2, Cc: CN. Revised from 291
LS OUT	N1-030305	AGREED	Hannu/Nokia	LS on GSM phase 2 network errors		Linked to 223. To: CN, Cc: GERAN. Revised from 290
LS OUT	N1-030306	AGREED	Krisztian/Nokia	LS response on partial notification		Linked to 055. To: SA2, Cc: Revised from 202

Annex F Aged Work Items

Status	TDoc #	Source	Tdoc Title	Type	WI
AGREED	N1-030217	Ericsson / A Monrad	Emergency Calls for IP& PS Based Calls - stage 3	WID	EMC1-PS
AGREED	N1-030275	3/Hatif	MBMS WID Update	WID	MBMS

Annex G Agreed specifications (TS or TR)

None.

Annex H List of CRs to N1 drafts

Status	Spec	TDoc #	Tdoc Title	C_Ver	Type	WI	Rel
AGREED	24.841	N1-030110	CR to 24.841 on updating PUBLISH flow	0.4.0	CR	PRESNC	Rel-6
AGREED	24.841	N1-030237	Update of the call flow examples	0.4.0	CR	PRESNC	Rel-6
AGREED	24.841	N1-030272	CR to 24.841 on updating the 3GPP Subscriber Attributes and Values	0.4.0	CR	PRESNC	Rel-6
AGREED	24.841	N1-030273	External watcher authorization	0.4.0	CR	PRESNC	Rel-6
AGREED	24.841	N1-030274	CR to 24.841 on Usage of Publish at the UE	0.4.0	CR	PRESNC	Rel-6
AGREED	29.846	N1-030277	MBMS Activation/Deactivation Procedures	0.4.0	CR	MBMS	Rel-6