

3GPP TSG CN Plenary Meeting #20**NP-030263****4th - 6th June 2003. HÄMEENLINNA, Finland.****Source: MCC****Agenda item: 6.1.1****Document for: INFORMATION**

Meeting Report
TSG CN WG1# 29
Sophia Antipolis, France
31st March - 04th April 2003

Chairman: Hannu Hietalahti (Nokia)

Secretary: Per Johan Jorgensen (ETSI/MCC)

Host: ETSI

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Documents can be found on the 3GPP-server:

http://www.3gpp.org/ftp/tsg_cn/WG1_mm-cc-sm/TSGN1_29/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

N1-030311 : CN1 chairman, **Title:** Agenda Sophia0304

Discussion : This will continue as a living document in the doc Sophia0304.

Conclusion : *Agreed*

N1-030312 : MCC, **Type:** REPORT, **Title:** DRAFT MEETING REPORT v1.1.1, 3GPP TSG-CN#19

Discussion : For information, and a short summary given.

Conclusion : *Noted*

N1-030313 : MCC, **Type:** REPORT, **Title:** Draft Report for TSG SA meeting #19

Discussion : For information.

Conclusion : *Noted*

3 Input Liaison Statements

N1-030317 : N3-030184, **To:** SA4, CN1, **Cc:**, **Type:** LS IN, **Title:** LS Handling of DTMF in IMS

Discussion : CN3 proposal to implement the following principles to 24.229:

- 1) Only the support of the MIME type “telephone event” with default events should be recommended. The support of additional events for this MIME type and MIME type “audio” also defined in RFC 2833 is not required within the 3GPP IMS.
 - 2) For DTMF originating in the IMS, it is desirable that the MGCF is notified with an appropriate SDP offer for “telephone event” DTMF encoding immediately before the DTMF is being sent to avoid that the MGW permanently reserves dedicated hardware to handle DTMF for all outgoing calls.
 - 3) The support of DTMF terminating in the IMS is not required at the IM-MGW.
- > it is intended that the UE does either re-INVITE or UPDATE to start DTMF stream.

Is there a related 24.229 CR to this meeting? If not then Hannu to report this back to the originator either via email or during CN1 #29. Discussion doc. in 394 and a CR in 385 is related. Should we have indication when to use it, also an indication of when not to use it should be available. Further discussion on the related documents.

Conclusion: *LS OUT in 509 by Peter/Siemens*

N1-030318: N3-030186, **To:** SA5, **Cc:** CN1, **Type:** LS IN, **Title:** LS on Handling of the SDP “inactive” direction attribute.

Discussion : CN3 asks SA5 how the "inactive" attribute at Go interface is intended to impact charging.

Conclusion: *Noted*

N1-030319: N3-030188, **To:** SA2, **Cc:** SA5, CN1, **Type:** LS IN, **Title:** LS on “Relationship between IMS sessions and a PDP context”

Discussion : CN3 asks SA2 to confirm that media components from different IMS sessions can not be multiplexed to single PDP context in Rel-5. N1-030420 is SA2 reply to N1-030319.

Conclusion: Noted

N1-030320 : N4-030220, **To:** RAN, RAN3, SA5 SWGD, **Cc:** SA2, CN1, **Type:** LS IN, **Title:** LS response on Early Ue Handling

Discussion : Discussion between CN4 and RAN3 on the early UE handling in RANAP. CN4 have identified interaction with subscriber and equipment trace.

Conclusion: Noted

N1-030321 : N4-030249, **To:** SA2, SA3, CN1, **Cc:** , **Type:** LS IN, **Title:** LS on clarification on the requirement for UE re-authentication initiated by HSS

Discussion : CN4 would like to know if there is a case when the HSS would need to trigger re-authentication. They point out that the only way to achieve this according to the current 29.228 is to perform network initiated de-registration first and then authenticate the user during the subsequent registration. N1-030330 is SA3 reply to N1-030321. N1-030474 is the answer from SA2. And these answers were agreed in CN1, and N1-030349 is the related CR for CN1.

Conclusion: Noted

N1-030322 : S2-030276, **To:** SA1, CN4, **Cc:** CN1, T3, **Type:** LS IN, **Title:** Draft Response to LSs on Use of E164 numbers for data only terminals (S2-030031=N4-021566; S2-030036=S1-022281)

Discussion : SA2 do not see urgent need to introduce a major change to overcome the addressing capacity restrictions in E.164 numbers.

Conclusion: Noted

N1-030323 : S2-030959, **To:** CN, SA1, **Cc:** CN1, CN4, **Type:** LS IN, **Title:** Reply LS on SS barring for SMS transfer over GPRS

Discussion : SA2 did approve their part of the correction to call barring for SMS over GPRS service. The LS was already noted in TSGN #19 as NP-030120. No work seems needed any more from CN1.

Conclusion: Noted

N1-030324 : S2-030990, **To:** RAN1, RAN2, GERAN1, GERAN2, **Cc:** SA4, CN1, CN4, **Type:** LS IN, **Title:** Liaison Statement on Core Network Provision of separate flows for P2P and P2M radio Transmission

Discussion : SA2 is asking those in the To field to comment on the CN provision of separate flows for P2P and P2M radio transmission for MBMS service. CN1 can expect further discussion and work on this.

Conclusion: Noted

N1-030325 : S2-030994, **To:** SA, SA3, SA5, CN, CN1, CN4, CN3, **Cc:** SA1, **Type:** LS IN, **Title:** LS on Clarification of Scenario 2 and Scenario 3 architectural characteristics and stable and non-stable parts of TS 23.234

Discussion : SA2 asks the other SA groups and CN groups to study the attached WLAN – 3GPP interworking scenarios and to start the stage 3 work on WLAN WI. This was only for information to CN1 to be aware of the status. No docs provided to CN1 meeting this time, but some companies are interested. And for any issues to be clarified on the work and related TSs, a revised WID is a possible way forward.

Conclusion: Noted

N1-030326 : S2-030997, **To:** CN1, SA1, SA3, CN, CN3, CN4, RAN2, RAN3, GERAN2, GERAN3, T3, **Cc:** , **Type:** LS IN, **Title:** Reply LS on updated WID for emergency call enhancements for IP & PS based calls

Discussion : Reply to N1-030271. SA2 agrees with CN1 proposal and takes the coordination responsibility of PS emergency calls WI. They have drafted and agreed a new WID for the SA work. They also inform us that instead of updating the PS emergency calls without USIM WID they have merged the two work items together. The corresponding CN WID was submitted to TSGN #19 by Ericsson and it was approved so also the CN part is covered. The new WID in N1030425 is provided for information as it is already approved in CN#19.

Conclusion: Noted

N1-030327 : S2-030999, **To:** CN, SA1, CN1, **Cc:** , **Type:** LS IN, **Title:** LS on Protocols over the Mt interface

Discussion : SA2 has added a new reference point Mt between the UE and AS to allow user control of presence lists, presence authorisation policies, chatrooms, conferencing, messaging. These are seen as the first example cases but the usage of the Mt is not restricted to these cases. HTTP seems necessary but there is no decision on the usage of IETF CPCP and access protocols. CN1 is asked to comment on how the interface could be standardised and if there are any presence or messaging related IETF drafts. There is a related discussion paper in N1-030404 and a proposed WID in N1-030405. Which functions do CN1 foresee and what is the status on the work in IETF ? The interface is not chartered in IETF despite activities ongoing in some groups. Inform SA2 on the status and drafts looked at as of today, and additionally any possible outcome when the related docs are treated. The status of stage 1 requirements for different services using this new interface instead of using SIP, and stage 2 situation, were discussed.

Conclusion: LS OUT in 477 by Georg/Nokia

N1-030328 : S3-030112, **To:** CN1, **Cc:** , **Type:** LS IN, **Title:** Reply to LS (N1-030271/S3-030043) on updated WID for emergency call enhancements for IP & PS based calls

Discussion : SA3 replies to our LS N1-030271 that they do not foresee any security issues related with PS emergency calls but add that they can not rule out some issues coming up later. This answer is based on the WID with the UICC only. The new updated WID also includes UICC-less case as well, but this information is available to SA3 also through the LS from SA2.

Conclusion: Noted

N1-030329: S3-030116, **To:** SA, SA1, SA2, SA4, CN, CN1, CN4, **Cc:** , **Type:** LS IN, **Title:** SA3 response on the “Additional Release 5 work needed for Policy Control and Subscription Control of Media”

Discussion : SA3 say that they do not intend to introduce any counter measures to prevent the possibility to overload the network and the S-CSCF by sending malicious INVITEs containing codecs and media which are known to be rejected with 488. This is seen as part of the behaviour of SIP and it would be difficult to block all such possibilities to misuse the protocol procedures.

Conclusion: Noted

N1-030330: S3-030159, **To:** CN1, CN4, **Cc:** SA2, **Type:** LS IN, **Title:** Reply LS on clarification on the requirement for UE re-authentication initiated by HSS

Discussion : SA3 asks us to confirm their assumption that S-CSCF can determine on its own when to re-authenticate and therefore there is no case when HSS initiated re-authentication would be needed. N1-030330 is SA3 reply to N1-030321 from CN4 and from SA2 in N1-030474.

Conclusion: Noted

N1-030331 : S3-030160, **To:** SA1, SA2, CN1, T3, **Cc:** , **Type:** LS IN, **Title:** Use of ISIM and USIM for IMS access

Discussion : SA3 clarifies in 33.203 that ISIM takes higher precedence for IMS access than USIM, if both are present on the UICC. The other groups are requested to align their specifications. Does any CN1 TS conflict with the new text? Do we need to repeat this in CN1 TSs?
CN1 agrees the decision and a CR to 24.229 will be introduced volountarily by Ericsson to establish the link to 33.203.

Conclusion: Noted

N1-030332 : S3-030161, **To:** SA, SA1, SA2 , T3, CN1, CN4, **Cc:** , **Type:** LS IN, **Title:** LS on: “Requirement to allow IMS access by means of SIM”

Discussion : SA3 has identified some security threats and risks in IMS access with SIM. However, this LS is outdated now that TSGSA #19 decided not to approve the proposal.

Conclusion: Noted

N1-030333 : T3-030160, **To:** SA1, **Cc:** T, CN1, **Type:** LS IN, **Title:** LS on (U)SIM Toolkit originated emergency calls

Discussion : It seems that SA1 has a conflict in TS 11.14 where it says that the SIM toolkit must be able to set up an emergency call by selecting number "112". It is also said that a number listed on the SIM emergency number list shall not set up an emergency call. So what happens if "112" is on the list? No CN1 action.

Conclusion: Noted

N1-030334 : R3-030355, **To:** SA2, CN1, CN4, GERAN2, **Cc:** RAN2, **Type:** LS IN, **Title:** REPLY: LS on QoS for Signalling PDP Context

Discussion : RAN3 has agreed a CR to introduce Signalling indication IE to 25.413. BTW, the 'or' in the new text in 8.2.2 seems a bit ambiguous and somebody could raise this with their RAN colleagues.

Conclusion: Noted

N1-030335 : S2-030448, **To:** CN1, **Cc:** , **Type:** LS IN, **Title:** LS on verification of the identity of watchers

Discussion : SA2 replies to N1-022226 and say that they prefer the presence server to verify the identity of the watchers outside the trusted IMS domain attempting to subscribe to presence information. The text in this area was said to be included already in the CN1 specifications. One company understood that further details was needed to complete the issue,- but it seems not as a consequence of this LS.

Conclusion: Noted

N1-030336 : Forwarded from CN#19, NP-030125, originally **To:** CN, RAN, RAN2 with **Cc:** GERAN2 **Type:** LS IN, **Title:** LS on Radio Access Bearer for PS conversational testing

Discussion : SA4 is asking the other groups about the typical RAB characteristics and end to end delays for conversational PS services. CN1 did not identify the way forward on this, but noticed that the example used by SA4 is using IPv4, which is outside the scope of IMS. IPv6 is used for IMS and this would impact the delays due to longer headers.

Conclusion: LS OUT in 478 by Miguel/Ericsson

N1-030337 : S2-031004 **To:** RAN, **Cc:** SA, RAN2, GERAN, CN, CN1, CN4, RAN3, **Type:** LS IN, **Title:** LS on early UE handling

Discussion : RAN ad hoc (and subsequent RAN plenary) were not able to decide whether to distribute IMEISV or bitmap from CN to AN for early UE handling. This will make it more difficult for SA2 to progress the feature in their April meeting. A possible vote would take place in RAN#20.

Conclusion: Noted

N1-030338 : S3-030156, **To:** RAN2, GERAN2, **Cc:** CN1, **Type:** LS IN, **Title:** LS on double ciphering for MBMS multicast data.

Discussion : SA3 ask RAN2 and GERAN2 if it would be feasible to turn off the radio network Iu / Gb mode ciphering in case of MBMS to avoid double ciphering.

Conclusion: Noted

N1-030339 : G2-030259, **To:** CN, CN1, **Cc:** , **Type:** LS IN, **Title:** Reply to LS on MS RAC for UMTS only mobiles

Discussion : This LS contains GERAN2 proposed revisions of N1-030207 – 209. The same LS was received in TSGN #19 and all CRs were approved.

Is a CR needed to 24.008 to remove the interpreted recommendation in MS CM3 that all UEs should support either GSM 1800 or GSM 1900 or both? It was argued that the text which GERAN2 insisted to keep, is still wrong.

Conclusion: Noted

N1-030340 : G2-030270, **To:** CN1, **Cc:** , **Type:** LS IN, **Title:** Response LS on support of ROHC in TS 44.065 (SNDP)

Discussion : GERAN2 reply to N1-030303. They agree that robust header compression (ROHC) in SNDCP is applicable for the support of Conversational services but have made no studies on how beneficial it would be for other services. A contribution to this meeting is in N1-030391.

Conclusion: Noted

N1-030341: S2-030958, **To:** GERAN1, GERAN2, CN1, RAN1, RAN2,RAN3, **Cc:** T2, **Type:** LS IN, **Title:** Liaison on DRX parameter

Discussion : The other groups are requested to comment a proposed SA2 CR on 23.060 which improves the Rel-5 functionality by specifying that if MS needs to change its current DRX values it may include the DRX Parameters IE as an optional parameter in PDP context Activation / Modification / Deactivation messages. Would it be acceptable as a Rel-5 change? In CN1 the question was when it was expected to change the DRX parameter? It is done at Attach, but is also possible at RAU's. It is critical synchronization between network and the MS, and the question is if this new procedure with SM is secure and feasible enough. A concern was expressed that all cases must be covered to leave no case where the UE intends to change its DRX parameters but the new parameters fail to reach the serving AN. The reason for justifying the change for real time services was accepted explicitly by some. The Rel-5 was said to be frozen to such functional changes, and a justification is needed. A comment to the condition in the attached SA2 CR was done,- when met it needs to be 'shall' rather than 'may'. The SA2 parts seems not to talk about the use of RAU as an alternative.

Conclusion: LS OUT in 479 by Inma/Nokia

N1-030353 : NP-030146, **To:** GSMA Board, GSMA TWG, **Cc:** GERAN, SA, CN1, **Type:** LS IN, **Title:** Liaison statement on error handling in Pre-R99 networks

Discussion : TSGN sent one more LS to the GSMA Board to stress the urgency of the network updates to allow the introduction of R99 UEs to the market and to ask estimated schedule for the update.

Conclusion: Noted

N1-030420 : S2-031029, **To:** CN3, **Cc:** SA5, CN1, **Type:** LS IN, **Title:** Reply LS on "Relationship between IMS sessions and a PDP context"

Discussion : SA2 reply to CN3 LS in N1-030319 and confirms the assumption that a PDP context used by an IMS session subject to SBLP cannot be reused by other IMS sessions in Rel-5. N1-030420 is SA2 reply to N1-030319. A related CR is provided in N1-030428.

Conclusion: Noted

N1-030421 : S5-034173, **To:** SA2, **Cc:** CN1, CN3, CN4, **Type:** LS IN, **Title:** Reply LS on Structure of IMS Charging Identifier (ICID)

Discussion : SA5 informs SA2 that the structure of ICID has been changed, meaning that an IP-address is not a specified part of ICID any more. Related CR in N-030416.

Conclusion: Noted

N1-030422 : S5-034176, **To:** SA2, CN4, CN1, **Cc:** , **Type:** LS IN, **Title:** LS on the Inclusion of the ECF/CCF Addresses on the 'Sh' interface

Discussion : SA5 prefers the 'Sh' interface as an option to allow the AS to obtain the ECF/CCF address. SA5 asks SA2, CN4 and CN1 to make the necessary changes to ensure that the ECF/CCF address is available via the 'Sh' interface.

Conclusion: Noted

N1-030472 : S2-030898, **To:** SA1, CN1, **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 : SA2 thanks SA1 for their LS which aims at aligning stage 1, 2 and 3 of the specification. SA2 agrees with CN1 (N1-030302) that the mentioned requirement should be removed from pre-Rel-6 releases. SA2 would like to note that SA2 is working on IMS emergency sessions, which would allow emergency sessions via PS domain.

Conclusion: Noted

N1-030473 : S2-030901, **To:** SA4, **Cc:** CN1 **Type:** LS IN, **Title:** Reply LS on media codecs and formats for Presence and Messaging

Discussion : It is SA2's opinion that it is appropriate to document media formats and codecs concerning Presence and IMS Messaging to new TS. SA2 would like to point to the requirements that exist in stage 1 documentation (TS22.141, TS22.340) regarding actual codecs and media formats.

Conclusion: *Noted*

N1-030474 : S2-030905, **To:** CN4, SA3, **Cc:** CN1, **Type:** LS IN, **Title:** Response to LS on clarification on the requirement for UE re-authentication initiated by HSS

Discussion : Within the SA2 specification, TS 23.228, there is no requirement and there is no need to provide a mechanism regarding HSS explicitly initiating re-authentication that would require changes to the Cx reference point. We have replies to N1-030321 from SA3 in N1-030330 and from SA2 in N1-030474.

Conclusion: *Noted*

N1-030475 : S2-030965, **To:** RAN3, CN1, **Cc:** **Type:** LS IN, **Title:** LS on early UE handling

Discussion : During investigations of the Early UE Handling architecture, SA2 has identified a number of areas where clarification of existing operation is required to ensure that the solution is accurately defined. CN1 to clarify if (and, optionally, why) there is any restriction on the use of the MS Information procedure that would prevent the use of the MS Information Request to transfer IMEISV. In CN1 it was expressed that the MS information should not be a problem after the LU.

Conclusion: *LS OUT in 484 by Robert/Siemens*

4 TSG CN WG1 Work Plan

N1-030314 : MCC, **Type:** LIST, **Title:** CN1 specification responsibility list after plenary#19

Discussion : Nortel to consider providing new rapporteur for ASCII TS's.

Conclusion : *Noted*

N1-030315 : MCC, **Type:** WORKPLAN, **Title:** Latest workplan from March 2003 for review

Discussion : Delete the task on UICC-less task. 1653 pushed to 12/12-03. NP-000380 needs to be deleted as well as the comments 1315, 1316 and 1346. EMC-NOSIM to be deleted as acronym in 2528.

IMS phase 2 for CN1 is all pushed to 12/12-03. 32035 and 11034 is deleted as BB.

11032 on interoperability, no change?

2503 on presence is pushed to 12/12-03 and completed to 65%.

MBMS is still September as on the existing WID.

Speech recognition is not known of in CN1.

Conclusion : *Noted and the review result is in 563*

N1-030563 : CN1/chairman, **Type:** WORKPLAN, **Title:** Result of the WP review

Discussion :

Conclusion : *Agreed*

5 Joint sessions

5.1 None

6 Corrections to old releases

6.1 Rel-4 and older releases

N1-030388 : 24.008v3f0 CR#748, Nokia, **Type:** CR , **Title:** Revision level fallback

Discussion : Significant number of the currently existing GSM phase 2 networks reject the R99 UE CS domain signalling based on revision level indication by the UE. The UE may optionally look at the MSC revision level and adjust the revision level indication it gives to the network in MS CM 1 & 2 messages.

It was desired to have it more clearly explained why only R99 is affected and needed, eg as a note to indicate the reason and the temporary nature of the workaround. And that any side effect of the CR e.g. at inter-MSC handover would not affect the network,- but no side effects have been found by Nokia in the extensive testing done so far,- with the workaround being tested in several live networks of R97, R99 and mixed R99/R97. Comment from Orange that no CR can be agreed until the reply LS from GSMA is received as there are currently actions within GSMA and that correction should take place in the network. Consequently, Orange asked to postpone the discussion to next meeting. If agreeing the CR some would reserve the right to see the response from GSMA and act accordingly in the next CN1 meeting or in the plenary. No technical arguments were indicated against the solution. The CR text must reflect the fact that in R99 network the UE does not do the fallbacks. The testcases specifications are not impacted. After the postponement to the next CN1 meeting awaiting the response from GSMA it was revised to see how the changes at this stage looks like.

Conclusion : Revised to 536

N1-030536 : 24.008v3f0 CR#748r1, Nokia, **Type:** CR , **Title:** Revision level fallback

Discussion : Comment made that the change in the CR itself clearly should state that for R99 networks the workaround shall not apply. And to state on the cover page that emergency calls will not work if the pre-R99 networks are not updated. Consequences if not approved: No CS emergency calls is true, but the estimate about not being able to sell mobiles is speculative and should be removed.

Conclusion : Postponed to next CN1 meeting awaiting the response from GSMA

N1-030389 : 24.008v3f0 CR#749, Nokia, **Type:** CR , **Title:** QoS length fallback

Discussion : Significant number of the currently existing GPRS R97/R98 networks reject the R99 UE message if the UE encodes a QoS IE with all 13 octets which are defined in R99 version of the specification. The UE may optionally look at the revision of the serving SGSN and send only short R97/R98 QoS IE towards a pre-R99 SGSN. Similar compatibility issue has been detected in some early R97 GPRS mobiles. The issue was then analysed in CN1 and TSGN and consequently optional network solution corresponding to the UE option defined in this CR has already been documented in 3GPP TR 29.994 subclause 5.8.

One supplier had a problem with this workaround when the SGSN revision is not sent. It was commented that this fallback causes SM messages to be rejected if the serving SGSN is R99 but the AN is not broadcasting SGSN-R bit (which as a fact exists in the market), and the SGSN does not follow the recommendation in 24.007 subclause 11.4.2 not to detect 'IE too short' error if the IE is encoded correctly according to an older version of the specification. Justification for the CR on the cover page must be enhanced to explain why the change is needed and why it is needed only for R99. A note should be added to indicate the reason and the temporary nature of the workaround. Question if any side effects e.g. at inter-SGSN RAU or combined LAU/RAU have been found. Nokia answered that the workaround has been tested in several live networks of R97, R99 and mixed R99/R97 and no side effects have been found. Comment from Orange that no CR can be agreed until the reply LS from GSMA is received as there are currently actions within GSMA and that correction should take place in the network. Consequently, Orange asked to postpone the discussion to next meeting. CN1 has not yet seen the response from the GSMA and that will need to be taken into account in the plenary decision. Possible interaction with 23.107 to ensure that all cases for SGSN are covered. Depending on whether the SGSN implements the workaround to the corresponding known UE error, the R99

UE may receive either short or long QoS and it must be prepared to handle both cases. After the postponement to the next CN1 meeting awaiting the response from GSMA it was revised to see how the changes at this stage looks like.

Conclusion : Revised to 537

N1-030537 : 24.008v3f0 CR#749r1, Nokia, **Type:** CR , **Title:** QoS length fallback

Discussion : Again state what happens if not, and the conditions when the option is not used. The cover page should reflect if this means implicitly that the SGSN needs to map R97 to a R99 QoS ? Consequences if not approved should indicate the lack of all PS services and not talk about possibility to sell or not to sell mobiles. It was requested to add requirement for a R99 MS not to send a short QoS to R99 SGSN.

Conclusion : Postponed to next CN1 meeting awaiting the response from GSMA

N1-030392 : 24.008v3f0 CR#751, Siemens, **Type:** CR , **Title:** Combined RAU successful for GPRS only, missing GMM cause IE

Discussion : Corresponding change to Rel-5 was part of implemented CR741r1, TEI5. For the Routing Area Update Accept message, it is specified in 9.4.15.6 that the GMM Cause IE "shall be included if the IMSI attach was not successful for non-GPRS services during a combined GPRS routing area updating procedure" (update type = 'RA/LA updating with IMSI attach'). It needs to be clarified that the IE has to be included generally if the combined routing area updating procedure was successful for GPRS services only, i.e. also if the update type was 'RA/LA updating', without IMSI attach.

The UE change is not proposed as it was done for Rel-5, but the network is proposed aligned with a correct behavior. Why don't we apply also the UE requirement to handle the no cause value case to R99 and Rel-4 also? If the network behaves according to the CR, then the abnormal case on the UE side, i.e. receipt of partial accept without GMM cause IE, will never happen. It was asked if this is a frequently essential error to classify as a R99 CR. Without this CR it may be that some SGSN's never sends cause with partial accept to combined procedure. How often a partial accept occurs depends on the situation;- if the Gs interface is destroyed by some construction work, partial accept may happen more often.

Conclusion : Postponed to next CN1 meeting

N1-030393 : 24.008v4a0 CR#752, Siemens, **Type:** CR , **Title:** Combined RAU successful for GPRS only, missing GMM cause IE

Discussion : Mirror of 392.

Conclusion : Postponed to next CN1 meeting

N1-030426 : Ericsson, **Type:** DISCUSSION , **Title:** Support of IPv6 in pre-rel 5 networks

Discussion : Ericsson proposes that the possibility to allow the use of DNS IPv6 server address discovery via the PCO IE is introduced earlier, preferably from the general introduction of IPv6 starting from Release 99. The support in the UE shall be optional but in order for the feature to be useful, GGSN shall provide the DNS server addresses via PCO, when configured by the Operator."

The related drafts in IETF seems not progressing as expected. The aim is to have an equal method for pre Rel-5 UEs as for Rel-5. An issue is the WLAN access or any other access apart from GPRS which do not use PCO IE. When it was made for Rel-5 no mirrors back to R99 was made due to expectations on DNS lookup draft. The DHCP client is not considered very complicated. Some companies would like to see the CRs first before giving any objection or support. The reason to this is that some delegations are concerned on how much new mandatory requirements would be introduced. It was agreed to send a LS in N1-030488 to SA2 and ask for their opinion on the proposed addition of the GPRS related mechanism for DNS discovery to R99 and Rel-4. The same mechanism does already exist for Rel-5.

Conclusion : Noted and LS OUT in 488 by Atle/Ericsson

N1-030431 : 24.008v3f0 CR#753, Ericsson, **Type:** CR , **Title:** Bearer Capability IE

Discussion : Not presented.

Conclusion : Revised to 480

N1-030432 : 24.008v4a0 CR#754, Ericsson, **Type:** CR , **Title:** Bearer Capability IE

Discussion : Not presented.

Conclusion : Revised to 481

N1-030433 : 24.008v570 CR#755, Ericsson, **Type**: CR , **Title**: Bearer Capability IE

Discussion : Not presented.

Conclusion : Revised to 482

N1-030434 : 24.008v600 CR#756, Ericsson, **Type**: CR , **Title**: Bearer Capability IE

Discussion : Not presented.

Conclusion : Revised to 483

N1-030480 : 24.008v3f0 CR#753r1, Ericsson, **Type**: CR , **Title**: Bearer Capability IE

Discussion : There is an internal contradiction in TS 24.008 section 10.5.4.5 between notes 2 and 5. Note 2 states that the BC IE shall be coded according to GSM call control even when requesting for a UMTS service. For some services e.g. 9.6 kbps, the parameters in octet 6e and followings can be omitted. Note 5 contradicts the note 2, saying that the extension octet to octet 6e shall always be included with zero value even if the terminal is UMTS only. There is a misalignment between TS 24.008 v3.14.0 and TS 27.001 v3.11.0 in sections 10.5.4.5.1, and Annex A, B.1.3.1.3, B.1.3.1.5, B.1.3.1.6 and B.1.3.2.3, respectively for the Acceptable Channel Codings (ACC) and Maximum Number of Traffic Channels (MaxNumTCH) parameters included in the octet 6e.

For UMTS only mobiles all octets must be included but with values zero, when octet 6d is needed and therefore also 6e. The case when the octet 6d are optional is not covered. Is this possible change to the BC IE length acceptable for the manufacturers of R99 MSCs? What is the consequence if not agreed as essential corrections on frozen releases? The misalignment has been interpreted differently already in the market.

Conclusion : Revised to 489

N1-030481 : 24.008v4a0 CR#754r1, Ericsson, **Type**: CR , **Title**: Bearer Capability IE

Discussion :

Conclusion : Revised to 490

N1-030482 : 24.008v570 CR#755r1, Ericsson, **Type**: CR , **Title**: Bearer Capability IE

Discussion :

Conclusion : Revised to 491

N1-030483 : 24.008v600 CR#756r1, Ericsson, **Type**: CR , **Title**: Bearer Capability IE

Discussion :

Conclusion : Revised to 492

N1-030489 : 24.008v3f0 CR#753r2, Ericsson, **Type**: CR , **Title**: Bearer Capability IE

Discussion : Can the change to 27.001 be done independently? Yes, since CN3 has done the correction in Rel-4 and 5, and it is on encoding and not on the alignment. Delete other comments content on the cover page, plus some editorials as eg. 'any GSM frequency band' changed to 'GERAN A/Gb or Iu mode'.

Conclusion : Revised to 554

N1-030490 : 24.008v4a0 CR#754r2, Ericsson, **Type**: CR , **Title**: Bearer Capability IE

Discussion :

Conclusion : Revised to 555

N1-030491 : 24.008v570 CR#755r2, Ericsson, **Type**: CR , **Title**: Bearer Capability IE

Discussion :

Conclusion : Revised to 556

N1-030492 : 24.008v600 CR#756r2, Ericsson, **Type:** CR , **Title:** Bearer Capability IE

Discussion :

Conclusion : Revised to 557

N1-030554 : 24.008v3f0 CR#753r3, Ericsson, **Type:** CR , **Title:** Bearer Capability IE

Discussion :

Conclusion : Agreed

N1-030555 : 24.008v4a0 CR#754r3, Ericsson, **Type:** CR , **Title:** Bearer Capability IE

Discussion :

Conclusion : Agreed

N1-030556 : 24.008v570 CR#755r3, Ericsson, **Type:** CR , **Title:** Bearer Capability IE

Discussion :

Conclusion : Agreed

N1-030557 : 24.008v600 CR#756r3, Ericsson, **Type:** CR , **Title:** Bearer Capability IE

Discussion :

Conclusion : Agreed

7 Release 5

7.1 Non-IMS Rel-5 corrections

N1-030461 : 24.011v510 CR#027, Ericsson, **Type:** CR, **Title:** UE behaviour when sending SMS over GPRS

Discussion : The CR introduces the new requirements specified in TS 22.060. The CR mandates the mobile not to attempt using GPRS for SMS for a period of time based on implementations upon receipt of cause #69 or the complete lack of network response from a PLMN. During this time, the mobile attempts to use the circuit switched domain. When a different PLMN is selected, the MS shall again revert to trying an SMS transfer via GPRS. If the SMS fails in both via GPRS and the circuit switched domain, the user shall be informed.

This was only shortly presented due to lack of time for late contributions. Only comments on wording were made.

Conclusion : Postponed

N1-030464 : Panasonic, **Type:** DISCUSSION, **Title:** Length of Called Party BCD Number

Discussion : In the current specification TS 24.008 v5.7.0 the maximum number of octets that can be used for the called party BCD when the mobile station is operating in the PCS 1900 band is different to all other bands. This causes interworking problems when a mobile station roams between different mobile networks. This document tries to align the maximum length of the Called Party BCD number for PCS 1900 with its value for all other mobile networks and terminals.

Particularly the introduction of GSM 850 makes the different lengths confusing. Should the change be taken all the way back to the first release containing GSM 850 (=R99) ? Nobody to present this during the week.

Conclusion : Not treated

N1-030465 : 24.008v570 CR#757, Panasonic, **Type:** CR, **Title:** Alignment of Maximum Length of Called Party BCD Number

Discussion : Nobody to present this during the week.

Conclusion : *Not treated*

N1-030466 : 24.008v600 CR#758, Panasonic, **Type**: CR, **Title**: Alignment of Maximum Length of Called Party BCD Number

Discussion : Nobody to present this during the week.

Conclusion : *Not treated*

7.2 Draft specifications and other documents for information

N1-030358 : Lucent T., **Type**: INFORMATION, **Title**: Summary of current IETF documents on SIPPING

Discussion : No special issue was needed to be pointed out on these summary docs.

Conclusion : *Noted*

N1-030359 : Lucent T., **Type**: INFORMATION, **Title**: Summary of current IETF documents on SIP

Discussion :

Conclusion : *Noted*

N1-030360 : Lucent T., **Type**: INFORMATION, **Title**: Summary of current IETF documents on MMUSIC

Discussion :

Conclusion : *Noted*

N1-030467 : Vodafone, **Type**: INFORMATION, **Title**: Revised WID for Early UE

Discussion : This is an SA approved WID for information only, and any comments should be passed to Chris Pudney as rapporteur. Would it be better with CN4 first have a look into this at the CN WGs parallel meetings in May and then send any possible 29.018 Gs interface and 23.009 handover CRs directly to CN1?

Conclusion : *Noted*

N1-030468 : Vodafone, **Type**: INFORMATION, **Title**: TS23.195 "Provision of UE Specific Behaviour Information to Network Entities"

Discussion : This is to inform of the status only.

Conclusion : *Noted*

7.3 IMS Registration

N1-030349 : 24.229v540 CR#342, Orange, **Type**: CR, **Title**: Removal of the requirement for UE re-authentication initiated by HSS

Discussion : Related with LS in N1-030321. As stated in received LS from CN3 and SA3 (Tdoc N1-030321 and N1-030330), there is no need to have HSS triggered UE re-authentication.

Conclusion : *Agreed*

N1-030354 : 24.229v540 CR#304r3, Lucent T., **Type**: CR, **Title**: SAs lifetimes in P-CSCF

Discussion : The SAs between the UE and P-CSCF should be set to the longest registration expiration 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 identities that are using the same SA.

Nokia related contribution in 412, but not covering all issues as in 354. A revision of 354 is therefore proposed. Editorial changes needed.

Conclusion : Revised to 493

N1-030493 : 24.229v540 CR#304r4, Lucent T., **Type:** CR, **Title:** SAs lifetimes in P-CSCF

Discussion :

Conclusion : Agreed

N1-030355 : 24.229v540 CR#344, Lucent T., **Type:** CR, **Title:** Setting the SA lifetime at UE upon registration

Discussion : The SA lifetime in the UE should be set to the longest registration-expiration lifetime. Currently, the document 24.229 does not explicitly specify when the UE sets the SA lifetime and its value.

Consist of many hidden texts, be aware at implementation of the CR if approved if not revised. During reregistration of eg. only one public identity, will the locally stored value be used if the it is longer than the expiration time in the 200 (OK)? No because there is no OTHER locally stored values. Multipel terminals? Improve the wording was requested.

Conclusion : Revised to 494

N1-030494 : 24.229v540 CR#344r1, Lucent T., **Type:** CR, **Title:** Setting the SA lifetime at UE upon registration

Discussion :

Conclusion : Agreed

N1-030356 : 24.229v540 CR#345, Lucent T., **Type:** CR, **Title:** SA lifetime upon UE initiated de-registration

Discussion : When the UE de-registers a given public user identity, and if there are other remaining public user identities still registered, the UE and P-CSCF should update the SIP level lifetime of the security association to the longest registration expiration time of the remaining public user identities. Currently, the document 24.229 does not explicitly specify this procedure.

The remaining public user identity is fine for Rel-5 but for multiple terminals using the same identity, it was requested that the text should be aligned with the revisions of 354 and 355. Again hidden texts.

Conclusion : Revised to 495

N1-030495 : 24.229v540 CR#345r1, Lucent T., **Type:** CR, **Title:** SA lifetime upon UE initiated de-registration

Discussion :

Conclusion : Agreed

N1-030357 : 24.229v540 CR#346, Lucent T., **Type:** CR, **Title:** SA lifetime upon network initiated de-registration

Discussion : When the network de-registers a given public user identity, and if there are other remaining public user identities registered, the UE and P-CSCF should update the SIP level lifetime of the security association to the longest registration expiration time of the remaining public user identities. Currently, the document 24.229 does not explicitly specify this procedure.

The security association must have related keys, so the words ‘may have’ is thought inappropriate. The sentence above is almost a duplicate, and rewordings and removing of paragraph is needed.

Conclusion : Revised to 496

N1-030496 : 24.229v540 CR#346r1, Lucent T., **Type:** CR, **Title:** SA lifetime upon network initiated de-registration

Discussion :

Conclusion : Agreed

N1-030364 : Lucent T., **Type:** INFORMATION, **Title:** An analysis of the requirements for the Security-Client header

Discussion : This contribution analyses the requirements of the Security-Client header with a view to completing the Annex A tables within 3GPP TS 24.229. The conclusions of this contribution are implemented in an associated CR.

Conclusion : Noted

N1-030365 : Lucent T., **Type:** INFORMATION, **Title:** An analysis of the requirements for the Security-Server header

Discussion : This contribution analyses the requirements of the Security-Server header with a view to completing the Annex A tables within 3GPP TS 24.229. The conclusions of this contribution are implemented in an associated CR.

Conclusion : Noted

N1-030366 : Lucent T., **Type:** INFORMATION, **Title:** An analysis of the requirements for the Security-Verify header

Discussion : This contribution analyses the requirements of the Security-Verify header with a view to completing the Annex A tables within 3GPP TS 24.229. The conclusions of this contribution are implemented in an associated CR.

Conclusion : Noted

N1-030367 : 24.229v540 **CR#** 295r1, Lucent T., **Type:**CR, **Title:** Security agreement inclusion in SIP profile

Discussion : A number of headers relating to RFC 3329 are not yet included in the SIP profile, but their use is specified in the main body of the text. In order to sort out the handling of the Require header for this draft, a number of more general changes are needed for the Require and Supported headers. Security-Client header in the BYE header was discussed. It was suggested to minimize the number of tables since much was in the RFCs, and then keep the major important ones only. Is it allowed for a 3GPP implementation to use extensions which are not listed in the Annex A tables? A UE may use SIP extensions which are not documented in the annex but there is no guarantee of the IMS network support in such case. A network entity is mandated to support only those elements of the SIP protocol which are defined in Annex A. This discussion is not part of this CR and the discussion should be taken elsewhere. Different opinions in what shall happen in the P-CSCF when receiving Security-Client. Can no extension outside the Annex A tables be implemented in 3GPP? The answer is in the earlier agreed Note in the 24.229 specification. It was mentioned that a UE can use other extensions, but with no guarantee of getting network support. The network on the other hand is mandated to use only extensions listed by the tables. One error in the CR is to be corrected, and an uncertainty in the BYE. References to N1 docs on the cover was proposed elaborated for the plenary. The restructuring is in related tdoc 469.

Conclusion : Revised to 497

N1-030497 : 24.229v540 **CR#** 295r2, Lucent T., **Type:**CR, **Title:** Security agreement inclusion in SIP profile

Discussion : Due to the outcome of 553 it needs to be postponed, but the review was done and no comments made.

Conclusion : Postponed

N1-030397 : 24.229v540 **CR#**350, NEC, **Type:** CR, **Title:** Clarifications on ICID for REGISTER

Discussion : The current text describes that the ICID is valid for the duration of registration. However, this is not correct and misaligned with main text and stage2.

The deletion seems not to clarify the situation since it deletes the relation to the PDP signalling context. The intention was thought to be that the ICID should be valid also for re-registrations. This or issuing ICID for every re-registration is a possibility, and the answer of which option to use should come from SA5, and that LS is sent with copy to SA2. Also which ICID should be used when the user registers a new public user identity.

Conclusion : Postponed and LS OUT in 498 by Keith/Lucent

N1-030407 : 24.229v540 **CR#**357, Nokia, **Type:** CR, **Title:** Usage of P-Associated-URI

Discussion : First URI in P-Associated-URI header must be registered in order to allow the UE to subscribe to the registration state event package, if the URI used for registration was barred. P-CSCF shall not use the previously registered URI for subscription to registration state event package, but the saved default URI, as the registered one might be barred. In addition to that a small change was made, to section 5.1.1.4, as the Service-Route needs to be updated at the UE whenever it is newly received in a 200 (OK) for REGISTER. See draft-ietf-sip-scvrtdisco-03, section 6.1).

The word 'authorized' had different interpretations. The P-Associated-URI header containing the list of public user identities does not show the status, showing the user what he can register or not. This was on the other hand argued to be registered ones. Also the default URI was discussed related to this.

Conclusion : Revised to 499

N1-030499 : 24.229v540 **CR#357r1**, Nokia, **Type:** CR, **Title:** Usage of P-Associated-URI

Discussion :

Conclusion : Agreed

N1-030409 : 24.229v540 **CR#358**, Nokia, **Type:** CR, **Title:** User initiated de-registration at P-CSCF

Discussion : It has been made clear that the text refers to the subscription the user has at the S-CSCF. The text has been improved and has been clarified that the P-CSCF deletes the SA using internal procedures which does not involve SIP communication

The new bullet point split and the API shall be removed.

Conclusion : Revised to 500

N1-030500 : 24.229v540 **CR#358r1**, Nokia, **Type:** CR, **Title:** User initiated de-registration at P-CSCF

Discussion : Editorial, add 'and', and be precise with the cover pages. Merge bullet 2 and 3.

Conclusion : Revised to 558

N1-030558 : 24.229v540 **CR#358r2**, Nokia, **Type:** CR, **Title:** User initiated de-registration at P-CSCF

Discussion :

Conclusion : Agreed

N1-030410 : 24.229v540 **CR#359**, Nokia, **Type:**CR, **Title:** Network-initiated deregistration at UE and P-CSCF

Discussion : Same type of corrections as in 409.

Conclusion : Revised to 501

N1-030501 : 24.229v540 **CR#359r1**, Nokia, **Type:**CR, **Title:** Network-initiated deregistration at UE and P-CSCF

Discussion :

Conclusion : Agreed

N1-030412 : 24.229v540 **CR#361**, Nokia, **Type:**CR, **Title:** SA lifetime

Discussion : Similar to 354 which is taken as base for revision.

Conclusion : Rejected

N1-030413 : 24.229v540 **CR#362**, Nokia, **Type:**CR, **Title:** User initiated de-registration

Discussion : There are two places in 24.229 where it is said that the subscription of P-CSCF to the registration state event has to be terminated. The procedures at the S-CSCF will take precedence, and thus the procedures at the P-CSCF are 'backup' procedures.

A new approach is to remove the procedure in the P-CSCF. The quotes shall be straight.

Conclusion : Revised to 503

N1-030503 : 24.229v540 **CR#362r1**, Nokia, **Type:**CR, **Title:** User initiated de-registration

Discussion : The reason and summary for change is no longer according to contents and should be meaningful.

Conclusion : Revised to 559

N1-030559 : 24.229v540 **CR#362r2**, Nokia, **Type:CR**, **Title**: User initiated de-registration

Discussion :

Conclusion : *Agreed*

N1-030427 : 24.229v540 **CR#332r2**, 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."

The intention is not to change the P-CSCF connection. Does the P-CSCF keep the old SA which is associated with the old IP address? The safest way would be for the UE to de-register and re-register again with new IP address. It was mentioned that it may end up in a new P-CSCF, and therefore deregistration was thought needed if that is the case. It was a proposal to use two contact addresses to indicate that the previous IP address is not valid any more and to indicate the new IP address. Is it still a need to contact SA2 about this functionality? It is problem with backward compatibility if the issue is pushed to Rel-6. Due to failing to agree the CR now, it was proposed to send a LS to SA2 showing the proposed solution and the impact of deregistering. This together with guidance about the P-CSCF discovery related to the issue could be included. The same GGSN is maintained since the PDP context is not teared down.

Conclusion : *Postponed and LS OUT in 504 by Atle/Ericsson*

N1-030438: 24.229v540 **CR#366**, Lucent T., **Type:CR**, **Title**: Alignment of security header procedures with RFC 3329

Discussion : There are some misalignments between the current procedures of 24.229, and those of RFC 3329. Additionally, there are some additional procedures that need to be specified for header removal that do not exist in RFC 3329.

3GPP procedures requires both Security-Client and Security-Verify in all requests and register request. The last new sentence in 5.2.6.3 was found also in the RFC and therefore superfluous in the CR. If the tag sec-agree is not present it was proposed to initiate error handling. Since the S-CSCF can challenge at any time it needs to have Security-Client included in the requests, and this issue was asked more time to work on.

Conclusion : *Revised to 505*

N1-030505: 24.229v540 **CR#366r1**, Lucent T., **Type:CR**, **Title**: Alignment of security header procedures with RFC 3329

Discussion : Some improvements to the readability was proposed,- like 'check 'something''. Before postponement it was revised to 561. 505 will be continued in a conference call handled via Keith.

Conclusion : *Postponed*

N1-030561: 24.229v540 **CR#366r2**, Lucent T., **Type:CR**, **Title**: Alignment of security header procedures with RFC 3329

Discussion : Not available.

Conclusion : *Withdrawn*

N1-030439: 24.228v540 **CR#106**, Lucent T., **Type: CR**, **Title**: Alignment of flows with RFC 3329 (sec-agree)

Discussion : All flows carrying either the Security-Client header or the Security-Verify header need to have an option-tag "sec-agree" in both the Proxy-Require and Require headers. While not currently shown in RFC 3329, it seems to be generally agreed that the PRACK request should also carry a Security-Verify header, and this has been proposed in the related profile contribution to 24.229.

Conclusion : *Revised to 512*

N1-030512: 24.228v540 **CR#106r1**, Lucent T., **Type: CR**, **Title**: Alignment of flows with RFC 3329 (sec-agree)

Discussion : After first having agreed this document, it was reopened with the discussion on 415, and the overlapping with 415 was removed from CR#106 into this new revision 1.

Conclusion : Agreed

N1-030445 : 24.229v540 **CR#368**, Ericsson, **Type:** CR, **Title:** User authentication failure cleanups

Discussion : Corrections of the user authentication failure cases due to changes in SA3. Changes due to S3-020555 is proposed. Changes due to S3-020558 is already incorporated. The corresponding SA3 documents can be found in attached N1-022452. A minor clarification, moving the text for description of deriving IMPU, IMPI and domain name is also added. This change was agreed in CN1#28, but removed due to conflict with the CR on IMS support for SIM.

The UE is always allowed to send an unprotected register so the change in 5.1.1.5.1 seems unnecessary.

Conclusion : Revised to 506

N1-030506 : 24.229v540 **CR#368r1**, Ericsson, **Type:** CR, **Title:** User authentication failure cleanups

Discussion : Take out the LSs attached.

Conclusion : Agreed

N1-030470 : 24.229v540 **CR#370**, Ericsson, **Type:** CR, **Title:** SUBSCRIBE request information stored at the P-CSCF and S-CSCF

Discussion : It is clarified that the storage of certain headers (Contact, etc.) are only applicable when the request is an INVITE or in responses to INVITE requests. Clarified that the relevant information to save are Contact, CSeq and Record-Route in INVITE requests and Contact and Record-Route in responses to INVITE requests.

Some note to the storing tables in 24.228 that the information stored is for releasing calls. The charging information ? The cover page has wrong specification, shall be 24.229.

Conclusion : Revised to 521

N1-030521 : 24.229v540 **CR#370r1**, Ericsson, **Type:** CR, **Title:** SUBSCRIBE request information stored at the P-CSCF and S-CSCF

Discussion :

Conclusion : Not treated

N1-030471 : 24.228v540 **CR#109**, Ericsson, **Type:** CR, **Title:** SUBSCRIBE request information stored at the P-CSCF and S-CSCF

Discussion : N1-030369 and N1-030470 – 471 are alternative proposals. The current text in 24.228 suggests that, in case of a SIP SUBSCRIBE request, the P-CSCF and S-CSCF need to store some signalling related information in order to be able to release the session. However, SUBSCRIBE does not establish any session, nor procedures are provided at the P-CSCF or S-CSCF to dismiss those subscriptions in any case. Decided that the requirement for the P-CSCF and S-CSCF to store related information at SUBSCRIBE is removed, and that only SIP related information storage at P-CSCF and S-CSCF due to subsequent session release will be shown in 24.228.

Conclusion : Revised to 522

N1-030522 : 24.228v540 **CR#109r1**, Ericsson, **Type:** CR, **Title:** SUBSCRIBE request information stored at the P-CSCF and S-CSCF

Discussion :

Conclusion : Not treated

N1-030553 : Nokia, **Type:** DISCUSSION, **Title:** Proposal to postpone additions to profile tables

Discussion : During CN1#29 meeting there were several discussions on the profile tables which are currently in Annex A of TS 24.229. It became obvious that different companies have different interpretations of the meaning of the content of these tables. This could lead to problems when implementing or installing the IM CN Subsystem. Nokia proposes to postpone all profile table related contributions available at CN1#29 meeting to the next meeting in order to give delegates the chance to study them more carefully. This should cause no problems for the author of these tables, as the reference version of 24.229 will not be changed and the tables will not be touched by any other contribution, and for all

delegates to have a detailed review of the existing tables and to have a discussion on the CN1 e-mail reflector, in order to find a way of expressing the common view of delegates within the tables.

The tables do not change the unknown headers handling etc. in the CSCF, and they are not supposed to change unless done in the RFCs. The flexibility of SIP was still thought limited by some, and that maintenance would be difficult. Some other companies supported postponing the CRs to CN1#30. The rapporteur of 24.229 offered to make available an tutorial and reminded that the PICS are used in testing. Georg Mayer of Nokia is the contact person for these informal post-meeting activities to find a way forward, and the postponement of all CRs to 24.229 Annex A, the profile tables, were agreed.

Conclusion : Noted

7.4 IMS Call initiation

N1-030350 : 24.229v540 CR#343, Orange, **Type:CR**, **Title:** UE behaviour on reception of 420 (Bad Extension) message

Discussion : In RFC3261, it is stated that if a 420 (Bad Extension) response is received, the UAC should retry the request, this time omitting any extensions listed in the Unsupported header field in the response. In 3GPP, some SIP extensions have to be supported (preconditions). If the called UE does not support one of those extensions, the call will not be established.

The scope is too wide and it should specify that if the preconditions in a 420 response are not met a new INVITE is not done. Any new Rel-6 requirement in this area is for consideration at that time.

Conclusion : Revised to 507

N1-030507 : 24.229v540 CR#343r1, Orange, **Type:CR**, **Title:** UE behaviour on reception of 420 (Bad Extension) message

Discussion : Rewording to make the resending situation clear.

Conclusion : Revised to 552

N1-030552 : 24.229v540 CR#343r2, Orange, **Type:CR**, **Title:** UE behaviour on reception of 420 (Bad Extension) message

Discussion :

Conclusion : Agreed

N1-030368 : 24.229v540 CR#298r1, Lucent T., **Type:CR**, **Title:** S-CSCF general procedure corrections

Discussion :

Conclusion : Not available

N1-030385 : 24.229v540 CR#347, Siemens, **Type:** CR, **Title:** Handling of DTMF

Discussion : Limit the payload type for DTMF to telephone event. Indicate DTMF (telephone event) in a separate "m=" line. Use Re-Invite to indicate the wish for DTMF.

Conclusion : Revised to 508

N1-030508 : 24.229v540 CR#347r1, Siemens, **Type:** CR, **Title:** Handling of DTMF

Discussion : Mention a line and MGCF procedures.

Conclusion : Revised to 551

N1-030551 : 24.229v540 CR#347r2, Siemens, **Type:** CR, **Title:** Handling of DTMF

Discussion :

Conclusion : Agreed

N1-030386 : 24.229v540 CR#348, Siemens, **Type:** CR, **Title:** Format of Tel URL in P-Asserted-Id

Discussion : Guarantee that MGCF obtains internationally unique E.164 number in P-Asserted-Identity Header. The MGCF is not capable to identify the appropriate country codes in all cases. TS 29.163 only describes the mapping of internationally unique numbers. Although the HSS uses internationally unique E.164 numbers, it is not guaranteed that these numbers are also inserted in the P-Asserted-Identity Header. For instance, the UE may use a national phone number as preferred Identity, and the P-CSCF could consider this number valid.

How to verify what is legal numbers? P-Associated-ID will carry the telephone numbers. You can register a telephone number. Is this only a formatting issue? Should the requirement be for HSS to be administered in the correct way. The preferred numbers can come from UICC, keyboard and the P-CSCF.

Conclusion : Revised to 510

N1-030510 : 24.229v540 CR#348r1, Siemens, **Type:** CR, **Title:** Format of Tel URL in P-Asserted-Id

Discussion :**Conclusion : Agreed**

N1-030394 : Siemens, **Type:** DISCUSSION , **Title:** Handling of DTMF with inactive attribute

Discussion : CN1 conducted some studies in this direction some time ago, which lead to the conclusion that setting up media streams only on demand might be too slow, with a possible set-up delay of several seconds. This contribution suggests a way to set-up DTMF media streams, which is in line with CN3's ideas and also minimises the delay to activate DTMF: At call set-up a media stream for DTMF is set up as inactive, and this stream is activated only on demand with a re-INVITE.

Invoking the whole processing and keeping them reserved via re-INVITE for the sake of optimising DTMF was seen as too costly. For the other issues 1 (use telephone event) and 3 (no support of terminating DTMF in the terminal) in the incoming LS N1-030317 there seems to be more agreement. Use of SDP and UPDATE ? Either you have audio and DTMF in separate medias and then have the non trivial RTP running in the terminal, or have a common media stream.

Conclusion : Noted and LS OUT in 509 by Peter/Siemens

N1-030398 : 24.229v540 CR#351, NEC, **Type:** CR, **Title:** Clarifications on S-CSCF procedures for iFC

Discussion : Skipping step 4 seems to mean that the initial Filter Criteria is evaluated incorrectly. If taken literally, the new text would say that only one AS can be affected due to a request from the UE? It was not presented but asked for to be postponed until the next meeting.

Conclusion : Postponed

N1-030399 : 24.229v540 CR#352, NEC, **Type:** CR, **Title:** Clarifications on barring public user identity

Discussion : When the request contains barred public user identity, it shall be checked that the request is for regulatory or administration purposes. When this is the case, it shall forward the procedures within S-CSCF.

How would the "administrative or regulatory" request be identified? Via local interception or administrative means. Still difficulties to understand what it is intended for, and a definition of the term is needed. Is this the right way to build "barring override"? Any stage 1 and 2 requirements were not pointed out. 399 and 395 are linked.

Conclusion : Rejected

N1-030400 : 24.229v540 CR#353, NEC, **Type:** CR, **Title:** Clarification on determination of mobile originated call

Discussion : The current text is not clear as to how the mobile originated call/mobile terminated call is determined.

Service-Route is not stored at S-CSCF and therefore the proposed change is not needed. It was mentioned that the chapter does not say much on what is used, but this was intentional and left for implementation as eg. port numbers etc. which are more detailed in 5.4.1.2.

Conclusion : Rejected

N1-030408 : 24.228v540 CR#103, Siemens, **Type:** CR, **Title:** Minor 24.228 cleanup

Discussion : Change explanation of Service-route stating that user part of URI is used to differentiate between originating and terminating case. Insert missing IPSEC port in Via header in chapter 6.5.

Conclusion : Agreed

N1-030411 : 24.229v540 CR#360, Nokia, **Type:** CR, **Title:** Barred identities

Discussion : Clarifications that some procedures are only the result of a network misbehaviour.

The misbehavior could have been in other nodes than P-CSCF. How to cope with the network error itself? Underscore in the header,- what is this?

Conclusion : Revised to 511

N1-030511 : 24.229v540 CR#360r1, Nokia, **Type:** CR, **Title:** Barred identities

Discussion : Only the HSS is still considered.

Conclusion : Revised to 550

N1-030550 : 24.229v540 CR#360r2, Nokia, **Type:** CR, **Title:** Barred identities

Discussion :

Conclusion : Agreed

N1-030415 : 24.228v540 CR#104, Ericsson, **Type:** CR, **Title:** General update (SDP) to clauses 7 and 8

Discussion : The majority of the changes go to the SDP. The P-CSCF and S-CSCF do not remove codecs or media streams, according to 3GPP TS 24.229. This is fixed throughout all the specification. Other minor changes to the SDP include fixing the origin line in the SDP answers, and other errors in the QoS attributes in SDP.

Due to offline comments it was requested to be revised, and further comments should go to the author before providing the revision. Should the codec reservation be shown after the PRACK as the most normal case?

Conclusion : Revised to 502

N1-030502 : 24.228v540 CR#104r1, Ericsson, **Type:** CR, **Title:** General update (SDP) to clauses 7 and 8

Discussion :

Conclusion : Agreed

N1-030416 : 24.228v540 CR#105, Ericsson, **Type:** CR, **Title:** Globally unique value of the ICID

Discussion : According to the version 5.2.0 of 32.225, the ICID format is a globally unique value and shall not reveal the IP address of the node that generated the ICID (for privacy and hiding reasons).

No change to 24.229 was identified due to this ICID unique requirement. How unique is it,- globally? Proposed to write unique only and leave out the location uniqueness. Then it would not be in accordance with the RFC. Any change to globally should be done on the SA5 specification, so we keep the CR as it is.

Conclusion : Agreed

N1-030424 : 24.229v540 CR#364, NEC, **Type:** CR, **Title:** Clarifications on service key

Discussion : At the last CN1#28 meeting, the CR regarding service key was not agreed because of deviation from the proxy rules specified in RFC3261. However, the proxy rule is already violated by sending BYE from P-CSCF for Rel 5 as discussed during exchange of the LS regarding interoperability issues between 3GPP and IETF. After the meeting, we found there are discrepancy between 23.218/24.229 and 32.200/32.225. The current text in 24.229/23.218 is not described regarding the use of service key as one of parameters for ISC interface. On the other hand, 32.200 clearly describes the use of service key for unit determination and rating for online charging. Besides that, SA2 discussed the use of service key for tranfering service key to IP flow handler for IP flow based bearer charging at the SA2#30 meeting. If the issue of service key is not solved during this meeting, there may be serious consequences for online charging for Rel-5 onwards.

The principle of not including the service key in the filter criteria was discussed and not agreed in earlier meetings. Do we really need the new XML body? It is not an argument that an earlier P-CSCF violation gives right to violate it again. Some companies saw no need for this new functionality in the Rel-5. What is it in Service key that would make online charging work? A discussion document for possible use case would be helpful.

Conclusion : Rejected

N1-030428 : 24.229v540 **CR#365**, Ericsson, **Type:** CR, **Title:** PDP context subject to SBLP cannot be reused by other IMS sessions

Discussion : SA2 has now stated in the reply LS to N1-030319 (N1-030420) that a PDP context cannot be re-used when the context is activated due to SBLP. "SA WG2 is pleased to confirm to CN WG3 that the working assumption "a PDP context used by an IMS session subject to SBLP cannot be reused by other IMS sessions" in Rel-5 is acceptable to SA WG2." It is clarified in 24.229 that in such situations, the PDP context must be deactivated when the SIP session is terminated.

If it changes something in CN3 that discussion will be done there, so this CR only does the CN1 part. However if such linking is established after the CN1#30 meeting it should be indicated for the plenary to be informed. The text is intended for the UE implementers, but can not be trusted. Typos as 's's and change must to shall and can to may.

Conclusion : Revised to 513

N1-030513 : 24.229v540 **CR#365r1**, Ericsson, **Type:** CR, **Title:** PDP context subject to SBLP cannot be reused by other IMS sessions

Discussion :

Conclusion : Agreed

N1-030440 : Lucent T., **Type:** DISCUSSION, **Title:** Discussion on the use of privacy in release 5 IM CN subsystem

Discussion : At the last meeting there was a significant discussion of which elements of RFC 3323 "A Privacy Mechanism for the Session Initiation Protocol (SIP)" were included in the intent of 3GPP TS 24.229 release 5. This document provides some background to our understanding.

Conclusion : Noted

N1-030441 : 24.229v540 **CR#367**, Lucent T., **Type:** CR, **Title:** Completion of major capabilities table in respect of privacy

Discussion : At the last meeting, some portions of N1-030018 had to be removed in order to obtain agreement of the remainder of document. This left the privacy entries in the major capabilities table for the UA role with missing entries. This CR attempts to complete those entries. A companion discussion document provides background material on the reason for the contents chosen.

Is it any need for 'none' and 'critical'? Should be implicit if the Privacy header is supported. See the agreement on 553.

Conclusion : Postponed

N1-030442 : Lucent T., **Type:** DISCUSSION, **Title:** Discussion on application of id privacy

Discussion :

Conclusion : Not available

N1-030457 : 24.229v540 **CR#369**, Nokia, **Type:** CR, **Title:** S-CSCF behavior correction to enable call forwarding

Discussion :

Conclusion : Withdrawn

7.5 IMS Call clearing

N1-030417 : 24.229v540 CR#363, Ericsson, **Type:** CR, **Title:** P-CSCF initiated call release with BYE

Discussion : The specification mandates the P-CSCF or S-CSCF to send a CANCEL request to release a session that is currently being established. Therefore, the spec. makes a difference between the case when the session is not yet established (send CANCEL) and when the session is already established (send BYE). The CANCEL request will not have any effect in case the UAS has already answered the INVITE request with a final response (e.g., if the CANCEL crosses in the wire with the final response). The desired behaviour can be achieved with a BYE request. It seems that the distinction between the session not yet established and already established is not needed.

If this is followed it seems there is no need for CANCEL at all. Instead of the server repeating eg. 183 responses the CANCEL would stop this, and that desired effect seems not achieved with BYE.

Conclusion : Rejected

7.6 Other IMS issues

N1-030374: Lucent T., **Type:** INFORMATION, **Title:**An analysis of the requirements for the P-Associated-URI header

Discussion : This contribution analyses the requirements of the P-Associated-URI header with a view to completing the Annex A tables within 3GPP TS 24.229. The conclusions of this contribution are implemented in an associated CR.

Conclusion : Noted

N1-030375: Lucent T., **Type:** INFORMATION, **Title:**An analysis of the requirements for the P-Called-Party-ID header

Discussion : This contribution analyses the requirements of the P-Called-Party-ID header with a view to completing the Annex A tables within 3GPP TS 24.229. The conclusions of this contribution are implemented in an associated CR.

Conclusion : Noted

N1-030376 : Lucent T., **Type:** INFORMATION, **Title:** An analysis of the requirements for the P-Visited-Network-ID header

Discussion : This contribution analyses the requirements of the P-Visited-Network-ID header with a view to completing the Annex A tables within 3GPP TS 24.229. The conclusions of this contribution are implemented in an associated CR.

Conclusion : Noted

N1-030377 : Lucent T., **Type:** INFORMATION, **Title:** An analysis of the requirements for the P-Access-Network-Info header

Discussion : This contribution analyses the requirements of the P-Access-Network-Info header header with a view to completing the Annex A tables within 3GPP TS 24.229. The conclusions of this contribution are implemented in an associated CR.

Conclusion : Noted

N1-030378 : Lucent T., **Type:** INFORMATION, **Title:** An analysis of the requirements for the P-Charging-Function-Addresses header

Discussion : This contribution analyses the requirements of the P-Charging-Function-Addresses header with a view to completing the Annex A tables within 3GPP TS 24.229. The conclusions of this contribution are implemented in an associated CR.

Conclusion : Noted

N1-030379 : Lucent T., **Type:** INFORMATION, **Title:** An analysis of the requirements for the P-Charging-Vector header

Discussion : This contribution analyses the requirements of the P-Charging-Vector header with a view to completing the Annex A tables within 3GPP TS 24.229. The conclusions of this contribution are implemented in an associated CR.

Conclusion : Noted

N1-030380 : 24.229v540 CR#322r1, Lucent T., **Type:** CR, **Title:** 3GPP P-header inclusion in SIP profile

Discussion : Not presented due to wrong TS version used. **Revised to N1-030469.**

Conclusion : Withdrawn

N1-030469 : 24.229v540 CR#322r2, Lucent T., **Type:** CR, **Title:** 3GPP P-header inclusion in SIP profile

Discussion : A new major capability is added documenting the extension, with additional major capabilities for each header within the extension.

The P-Associated-URI header is added to the PDU tables in accordance with the analysis in N1-030374.

The P-Called-Party-ID header is added to the PDU tables in accordance with the analysis in N1-030375.

The P-Visited-Network-ID header is added to the PDU tables in accordance with the analysis in N1-030376.

The P-Access-Network-Info header is added to the PDU tables in accordance with the analysis in N1-030377.

The P-Charging-Function-Addresses header is added to the PDU tables in accordance with the analysis in N1-030378.

The P-Charging-Vector header is added to the PDU tables in accordance with the analysis in N1-030379.

Some companies would like not to see transparent proxy handling for headers listed. The marking of transparency could be understood as the proxy is supporting the header. Discussions ongoing, and a revision is allocated for taking in also offline comments. P-Called Party ID header was discussed as an example to see if the reading and understanding of the notation is correct.

Conclusion : Revised to 519

N1-030519 : 24.229v540 CR#322r3, Lucent T., **Type:** CR, **Title:** 3GPP P-header inclusion in SIP profile

Discussion : Refer outcome of 553.

Conclusion : Postponed

N1-030401 : 24.229v540 CR#354, NEC, **Type:** CR, **Title:** Clarifications on using DNS procedures

Discussion : The current text does not clearly describe the purpose of using DNS. In this subclause, RFC 3263 should be referenced for clear indication of locating SIP servers.

Is it the document to be used for te UE or only for te P-CSCF? Why do we need to restrict the UE to obtain the P-CSCF address from DNS with RFC 3263 only? Probably the procedures to follow in the UE is when the transport protocol etc needs to be found, can be read from RFC 3263 (which is used by the P-CSCF). Some did not want this mandated since it would not be needed in a UE,- looking up a server is another RFC.

Conclusion : Revised to 520

N1-030520 : 24.229v540 CR#354r1, NEC, **Type:** CR, **Title:** Clarifications on using DNS procedures

Discussion :

Conclusion : Agreed

N1-030402 : 24.229v540 CR#355, NEC, **Type:** CR, **Title:** Clarifications on general purpose PDP context

Discussion : At the last CN1#28, in order for the RAN to determine that the traffic is IMS signalling, the QoS IE was modified for being aware at PDP context activation time. Thus dedicated PDP context should be placed on priority level when capturing SIP signalling bearers at the network.

The proposed wording is very difficult to understand. What is the intended correction? First to try a dedicated PDP context before the general purpose one. There is no requirement for the UE to favour either dedicated signaling PDP context or general purpose PDP context. Several expressed no need for this proposal and if related to the signalling flag it will be discussed in SA2 next week. Stage 1 or 2 reference to such new requirement?

Conclusion : Rejected

N1-030403 : 24.229v540 CR#356, NEC, **Type:** CR, **Title:** Addition of procedures at the AS for SDP

Discussion : AS can initiate or terminate INVITE with SDP. However, currently there is no description on procedures for SDP at the AS.

At least some UE procedures do not seem to be suitable to be duplicated as such in AS. To take just two examples. With what SA would the AS encrypt the SDP payload? Which PDP context would the AS use? SDP use in an AS, if at all needed for the service in question, is very different and varying according to services deployed.

Conclusion : Revised to 514

N1-030514 : 24.229v540 CR#356r1, NEC, **Type:** CR, **Title:** Addition of procedures at the AS for SDP

Discussion : Preconditions are now mandated from the AS.

Conclusion : Postponed

7.7 Minor IMS issues

N1-030387 : 24.229v540 CR#349, Siemens, **Type:** CR, **Title:** Delete Note on header stripping/SDP manipulation

Discussion : In the General chapter of 24.229 it is still stated that the P-CSCF in some situations modifies SDP and strips header. This is no longer valid.

Conclusion : Agreed

N1-030458 : 24.228v540 CR#107, Nokia, **Type:** CR, **Title:** Minor corrections in 10.4.2 and 10.5.2

Discussion : In the call flow of section 10.5.2(Session Transfer initiating a new session), REFER request is a subsequence request, so it will not trigger any iFC -> steps 4/6 should be deleted. Section 10.4.2(Session redirection initiated by S-CSCF to IM CN subsystem (MO#2, MT#2 assumed)), the request-URI of INVITE message in Table 10.4.2-7 should be "sip:user2_public1@home1.net" instead of "sip:user3_public1@home1.net".

Conclusion : Agreed

N1-030459 : 24.228v540 CR#108, Nokia, **Type:** CR, **Title:** Minor corrections in 5.3.6

Discussion : The 200 OK arrows in Figure 5.3.6-1 are pointing to the wrong direction.

Conclusion : Agreed

7.8 IMS: 23.218

N1-030351 : 23.218v540 CR#043, Orange, **Type:** CR, **Title:** Correction on Handling of MO request

Discussion : It is corrected that a request shall first be identified as MO or MT and then Filter Criteria, which include Trigger Points, shall be checked.

Some rewording needed.

Conclusion : Revised to 515

N1-030515 : 23.218v540 CR#043r1, Orange, **Type:** CR, **Title:** Correction on Handling of MO request

Discussion :

Conclusion : Agreed

N1-030352 : 23.218v540 CR#044, Orange, **Type:** CR, **Title:** Corrections regarding SPTs and Filter Criteria handling on REGISTER request

Discussion : This CR aims at: -correcting the fact that the states 'registered', 'unregistered' or 'both' are SPTs and not trigger points indicating SPTs to be triggered,- correcting the fact that on REGISTER message reception at S-CSCF, the procedure regarding Filter Criteria is different from other messages as the AS will not send back the REGISTER message and the same REGISTER message has to be sent to all AS for which Filter criteria match, as described in TS24.229.

Is the 'states' trigger points or not? One view is that these can be downloaded in a way, and another is that different filter criteria groups are possible for a registered subscriber, respectively unregistered subscriber.

Conclusion : Revised to 516

N1-030516 : 23.218v540 CR#044r1, Orange, **Type:** CR, **Title:** Corrections regarding SPTs and Filter Criteria handling on REGISTER request

Discussion :

Conclusion : Agreed

N1-030395 : 23.218v540 CR#045, NEC, **Type:** CR, **Title:** Clarifications on barring public user identity

Discussion : 399 and 395 are linked and the discussion from 399 is valid. CN1 was not aware of any requirement to provide override mechanism for user identity barring. Related LS in N1-030538.

Conclusion : Rejected

N1-030396 : 23.218v540 CR#046, NEC, **Type:** CR, **Title:** Clarifications on SPT.

Discussion : Direction of the request should be as follows: Mobile originated : request received from P-CSCF to S-CSCF. Mobile terminated: others.

The reference to call direction seems OK, but the wording is not needed then, or at least use the same wording as earlier used. Cover page tick no in other specs impacted and yes in ME box.

Conclusion : Revised to 517

N1-030517 : 23.218v540 CR#046r1, NEC, **Type:** CR, **Title:** Clarifications on SPT.

Discussion :

Conclusion : Agreed

N1-030423 : 23.218v540 CR#047, NEC, **Type:** CR, **Title:** Clarifications on service key

Discussion : At the last CN1#28 meeting, the CR regarding service key was not agreed because of deviation from the proxy rules specified in RFC3261. However, the proxy rule is already violated by sending BYE from P-CSCF for Rel 5 as discussed during exchange of the LS regarding interoperability issues between 3GPP and IETF. After the meeting, we found there are discrepancy between 23.218/24.229 and 32.200/32.225. The current text in 24.229/23.218 is not described regarding the use of service key as one of parameters for ISC interface. On the other hand, 32.200 clearly describes the use of service key for unit determination and rating for online charging. Besides that, SA2 discussed the use of service key for tranfering service key to IP flow handler for IP flow based bearer charging at the SA2#30 meeting. If the issue of service key is not solved during this meeting, there may be serious consequences for online charging for Rel5 onwards.

The principle of not including the service key in the filter criteria was discussed and not agreed in earlier meetings. Service key is used in AS and transferred to a SCF, but no mentioning anywhere seems to use it on ISC.

Conclusion : Revised to 518

N1-030518 : 23.218v540 CR#047r1, NEC, **Type:** CR, **Title:** Clarifications on service key

Discussion : The issue was intended for discussion based on such a document for next meeting.

Conclusion : Postponed

8 Release 6 work items

8.1 Presence

N1-030361 : Lucent T., **Type:** INFORMATION, **Title:** Summary of current IETF documents on SIMPLE

Discussion : This contribution summarises the current documentation within IETF that deal with SIMPLE working group. This group is using SIP for instant messaging. 3.5 is no longer a dependency but 3.8 is.

Conclusion : Noted

N1-030362 : Lucent T., **Type:** TR v050, **Title:** Draft 3GPP TR 24.841 "Presence based on SIP; Functional models, information flows and protocol details"

Discussion : Some late editorial comments made will be incorporated with agreed CRs from this meeting to v060.

Conclusion : Noted

N1-030363 : Lucent T., **Type:** INFORMATION, **Title:** Presence WID open issues list

Discussion : This study has been done to identify the still missing principal decisions and other major open issues in the Presence WID under CN1 control. The intention is not to take this open items list to the granularity of a individual CRs. It would be helpful if people could report back when an agreed CR is made if it fixes some of the open issues listed.

Conclusion : Noted

N1-030369 : TR24.841v050, Lucent T., **Type:** CR, **Title:** CR to 24.841: Clause 6.1.2.1 revisions to include P-CSCF and S-CSCF storage

Discussion : 369 to 374 is mostly to align with 24.228, but due to changes proposed on 24.228 these CRs need to be treated first. 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. The required revisions for clause 6.1.2.1 are shown in this contribution. This contribution assumes revisions to the Record-Route headers proposed in other contributions.

Conclusion : Withdrawn

N1-030370 : TR24.841v050, 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 : Withdrawn

N1-030371 : TR24.841v050, 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 : Withdrawn

N1-030372 : TR24.841v050, 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 : Withdrawn

N1-030373 : TR24.841v050, Lucent T., **Type:** CR, **Title:** CR to 24.841: Clause 6.4 revisions to include P-CSCF and S-CSCF storage

Discussion :

Conclusion : Withdrawn

N1-030381 : TR24.841v050, Lucent T., **Type:** CR, **Title:** CR to 24.841: Addition of network asserted identity headers to PUBLISH profile

Discussion : During CN1#28, the profiles for 24.229 were updated to include the headers associated with network asserted identity, i.e.: 1) P-Preferred-Identity (for summary of usage see N1-030015).

2) P-Asserted-Identity (for summary of usage see N1-030016).

3) Privacy (for summary of usage see N1-030015).

This contribution proposes equivalent documentation for the PUBLISH method, currently contained within 24.841.

If Privacy header was applicable to the AS was questioned.

Conclusion : Agreed

N1-030382 : TR24.841v050, Lucent T., **Type:** CR, **Title:** CR to 24.841: Addition of 3GPP P-headers to PUBLISH profile

Discussion : During this meeting, the profiles for 24.229 are proposed to be updated to include the headers defined specifically for 3GPP, i.e.:

1) P-Associated-URI (for summary of usage see N1-030149 → N1-030374).

2) P-Called-Party-ID (for summary of usage see N1-030150 → N1-030375).

3) P-Visited-Network-ID (for summary of usage see N1-030151 → N1-030376).

4) P-Access-Network-Info (for summary of usage see N1-030152 → N1-030377).

5) P-Charging-Function-Addresses (for summary of usage see N1-030153 → N1-030378).

6) P-Charging-Vector (for summary of usage see N1-030154 → N1-030379).

This contribution proposes equivalent documentation for the PUBLISH method, currently contained within 24.841.

A separate contribution resolves the conflict between reference numbers already in 24.229 and those to be added to 24.229. This has been caused by the addition of new references to the base 24.229 specification.

P-Called-Party-ID header inclusion or not is discussed as in N1-030469. Publish method should go from UE to the presence server and not retargeted to something else.

Conclusion : Revised to 523

N1-030523 : TR24.841v050, Lucent T., **Type:** CR, **Title:** CR to 24.841: Addition of 3GPP P-headers to PUBLISH profile

Discussion :

Conclusion : Postponed

N1-030383 : TR24.841v050, Lucent T., **Type:** CR, **Title:** CR to 24.841: Addition of security headers to PUBLISH profile

Discussion : During this meeting, the profiles for 24.229 are proposed to be updated to include the headers defined specifically for 3GPP, i.e.:

1) Security-Client (for summary of usage see N1-030364).

2) Security-Server (for summary of usage see N1-030365).

3) Security-Verify (for summary of usage see N1-030366).

This contribution proposes equivalent documentation for the PUBLISH method, currently contained within 24.841.

In addition, similar changes are proposed related to these headers, which equate to the changes proposed in N1-030367.

A separate contribution resolves the conflict between reference numbers already in 24.229 and those to be added to 24.229. This has been caused by the addition of new references to the base 24.229 specification.

Is the Security-Client header applicable to something else than Publish request? It was discussed whether there was a usage of PUBLISH outside the IM CN subsystem based presence service. One view was that having defined PUBLISH it becomes available UE to UE, and therefore could be used by some enterprise to provide a non-IMS presence solution.

Conclusion : Revised to 524

N1-030524 : TR24.841v050, Lucent T., **Type:** CR, **Title:** CR to 24.841: Addition of security headers to PUBLISH profile

Discussion :

Conclusion : Postponed

N1-030384 : TR24.841v050, Lucent T., **Type:** CR, **Title:** CR to 24.841: Miscellaneous clause 7 revisions

Discussion : This contribution resolves a number of minor issues with clause 7.

Conclusion : Agreed

N1-030406 : Nokia, **Type:** WID, **Title:** Work Item Description for Presence (was NP-020491)

Discussion : Incorporation of IETF work on Presence and data manipulation. Includes SIP and SDP specific Presence procedures and call flows for UE and AS. Includes presence specific part of Mt signalling.

The new TS proposed was questioned if it could be ready for TSG CN#20 in coming June. And of course also how it should be documented. An alternative document is in 437.

Conclusion : Revised to 546

N1-030546 : Nokia, **Type:** WID, **Title:** Work Item Description for Presence (was NP-020491)

Discussion :

Conclusion : Agreed

N1-030419 : TR24.841v050, Ericsson, **Type:** CR, **Title:** 24841: authorization of watchers

Discussion : This document updates figure 7.2.2.1.1-1 in 3GPP TR 24.841. The text "Challenge received" is replaced by "Check received credentials".

Conclusion : Agreed

N1-030437 : Lucent T., **Type:** WID, **Title:** Revised WID on Support of the Presence Service in Core Network Signalling Protocols

Discussion : Changing supporting company name and introduces a draft. 406 revision will be the template for a possible WID update.

Conclusion : Noted

N1-030443 : TR24.841v050, Lucent T., **Type:** CR, **Title:** CR to 24.841: Miscellaneous clause 7 revisions

Discussion :

Conclusion : Not available

N1-030444 : TR24.841v050, Lucent T., **Type:** CR, **Title:** CR to 24.841: Use of Record-Route in flows

Discussion :

Conclusion : Not available

N1-030446 : TR24.841v050, Nokia, **Type:** CR, **Title:** CR: Flow updates according to draft-ietf-simple-list-event-00

Discussion : The flow is updated according to 00, but unfortunately that draft is again updated. And some comments have been received offline.

Conclusion : Revised to 525

N1-030525 : TR24.841v050, Nokia, **Type:** CR, **Title:** CR: Flow updates according to draft-ietf-simple-list-event-00

Discussion :

Conclusion : Agreed

N1-030447 : TR24.841v050, Nokia, **Type:** CR, **Title:** CR: Dependency on draft-ietf-simple-list-event-00

Discussion : Supported header with extensions should be used, and write clearly the protocol condition on when to include it or always include it (7.2.1.x).

Conclusion : Revised to 526

N1-030526 : TR24.841v050, Nokia, **Type:** CR, **Title:** CR: Dependency on draft-ietf-simple-list-event-00

Discussion :**Conclusion : Agreed**

N1-030448 : TR24.841v050, Nokia, **Type:** CR, **Title:** CR: Flow updates according to draft-olson-simple-publish-02

Discussion :**Conclusion : Agreed**

N1-030449 : TR24.841v050, Nokia, **Type:** CR, **Title:** CR: Dependency on draft-olson-simple-publish-02

Discussion : What does it mean that PUA has to publish it?

Conclusion : Revised to 529

N1-030529 : TR24.841v050, Nokia, **Type:** CR, **Title:** CR: Dependency on draft-olson-simple-publish-02

Discussion :**Conclusion : Agreed**

N1-030450 : TR24.841v050, Nokia, **Type:** CR, **Title:** CR: Bibliography update

Discussion : In ref B7 a hyphen is missing in event-list, and will be corrected by the rapporteur.

Conclusion : Agreed

N1-030451 : TR24.841v050, Nokia, **Type:** CR, **Title:** CR: Dependency on draft-ietf-simple-presence-10

Discussion : Shall the IETF dependencies be written down? Here it is only the dependencies shown in the TR. Is formulate a term or is it meant as encoding or create. 7.2.2.1.y seems to be a text written elsewhere, and if needed should be in 7.2.2.1.1 where it is partly already.

Conclusion : Revised to 530

N1-030530 : TR24.841v050, Nokia, **Type:** CR, **Title:** CR: Dependency on draft-ietf-simple-presence-10

Discussion :**Conclusion : Agreed**

N1-030452 : TR24.841v050, Nokia, **Type:** CR, **Title:** CR: Dependency on draft-ietf-simple-winfo-package-05 and draft-ietf-simple-winfo-format-04

Discussion : What if the PUA in the UE do not want the presence service at all? Eg. when new watchers arrives? Restrict the condition for subscription? RFC missing? Is stage 1 description needed for this kind of 'idle state' ? Also the references needs review.

Conclusion : Revised to 531

N1-030531 : TR24.841v050, Nokia, **Type:** CR, **Title:** CR: Dependency on draft-ietf-simple-winfo-package-05 and draft-ietf-simple-winfo-format-04

Discussion :**Conclusion : Agreed**

N1-030453 : TR24.841v050, Nokia, **Type:** CR, **Title:** CR: Filtering of subscriptions

Discussion : A little bit early to take these drafts onboard? The requirements document supporting this is agreed as a IETF WG item, but that the appropriate solution document referenced by the proposal is not yet chartered. An editor's note should be incorporated to reflect this.

Conclusion : Revised to 532

N1-030532 : TR24.841v050, Nokia, **Type:** CR, **Title:** CR: Filtering of subscriptions

Discussion :**Conclusion : Agreed**

N1-030454 : TR24.841v050, Nokia, **Type:** CR, **Title:** CR: Partial notifications

Discussion : Same comments as for 453.

Conclusion : Revised to 533

N1-030533 : TR24.841v050, Nokia, **Type:** CR, **Title:** CR: Partial notifications

Discussion :**Conclusion : Agreed**

N1-030455 : TR24.841v050, Nokia, **Type:** CR, **Title:** CR: Subscribing for presence on behalf of another user

Discussion : It is proposed that:

- the subscriber (network-based watcher and a user on behalf of another user) fills out the From header field of the SUBSCRIBE request with the SIP URI of the entity, on whose behalf the subscription is made. This solution is in accordance with draft-ietf-simple-event-list-00, where a Resource List Server subscribes for an event package on behalf of the user.
- in case of network-based watchers, the P-Asserted-Identity header field also contains the identity of the user on whose behalf the subscription is made, similarly to the From header field.
- in the case when a user sends a SUBSCRIBE request on behalf of another user, the P-Asserted-Identity header field will include the identity of the actual subscriber, which is now different from the identity of the user on whose behalf the subscription is made
- the authorization policy provided by the presentity should include authorization information for the user on whose behalf the subscription is made over the identity of the actual watcher.

Very complicated issues that probably needs an extension. The CR seems not to cover the issues sufficiently, and stage 1 and 2 needs to be checked or completed first,- if a watcher is able to subscribe to presentity's presence information on behalf of another user. Should the issue for now be an editors note and some words on a desirable approach if any?

Conclusion : Revised to 534

N1-030534 : TR24.841v050, Nokia, **Type:** CR, **Title:** CR: Subscribing for presence on behalf of another user

Discussion :**Conclusion : Postponed**

N1-030456 : TR24.841v050, Nokia, **Type:** CR, **Title:** CR: Update on the presence information model

Discussion : The functionality of the 'communication mean status' extension is overlapping with the PIDF's <status> element, therefore it is proposed to remove the 'communication mean status' as 3GPP extension. Further PIDF reference updates are included.

Not completely aligned with stage 2 which is recently changed? Should the status be in the CR now?

Conclusion : Agreed

N1-030460 : Nokia, **Type:** DISCUSSION, **Title:** Record-Routing of SIP dialogs in S-CSCF

Discussion : 3GPP TS 23.241 6.1.0 defines that the presentity's S-CSCF is not mandated to insert itself into the Record-Route header of the initial SUBSCRIBE request, in case the S-CSCF does not execute any functions for the subsequent requests and responses of the dialog. The presentity's S-CSCF shall be intentionally left out from the presence SUBSCRIBE dialog in order to avoid static allocation of S-CSCFs. There is a certain need to define the way where the S-CSCF gains the information whether to Record-Route for certain services or not.

It was a mixed feeling about this new type of information in the initial filter criteria, but the proposal was seen justified. Which methods would this checking apply to? If introduced it must start from Rel-6 and be compatible with Rel-5.

Conclusion : Noted

8.2 MBMS (Multimedia Broadcast Multicast Services)

N1-030462 : TR 29.846v010, 3, **Type:** TR v010, **Title:** Latest version of TR 29.846

Discussion : Latest version.

Conclusion : Noted

N1-030463 : TR 29.846v010, 3, **Type:** CR, **Title:** Update to TR29.846

Discussion :

Conclusion : Not available

8.3 IMS Stage 3 enhancements

N1-030342 : TR 2x.yyy, Nokia, **Type:** TR, **Title:** TR for IMS Conferencing, Stage 3

Discussion : As discussed in N1-030198, it is proposed that a TR is created with the attached structure and title, as a holding document for the IMS conferencing service in release 6. At an appropriate time when the material reaches stability, it will be converted into CRs for 23.218, 24.228 and 24.229.

Could the chapter 4 on overview refer to a stage 1 requirement? Chapter 4 should be more stage 3 focused. CN5 is also working on conferencing. The TR principle and title should be agreed upon here. The scope and requirement should not be in the title. Scope is a changeable part and can be adjusted to stage 1 according to their timeplan, especially on loosely coupled conferences which is to be discussed in SA1. This will be inserted with an editors note in the scope. But the title needs to reflect IMS,- 'IMS conferencing'. Another view was to keep the title as it is, and that was agreed. Also on MRFC sufficient contributions have been made in SA2 for CN1 to start stage 3 work on conferencing. Especially to make Rel-6 which will probably be between December and June 2004. Floor control and other functions may very well be in the AS and not in the MRFC,- and is solved by replacing MRFC with MRFC/AS. Correct chapter 7 numberings. Too early to say MESSAGE is used. In scope there should be an editor note on dependency to group management.

Conclusion : Revised 539

N1-030539 : TR 2x.yyy, Nokia, **Type:** TR, **Title:** TR for IMS Conferencing, Stage 3

Discussion : Should be functional requirements also for AS in chapter 5. Also modification to chapter 8 title.

Conclusion : Revised to 564

N1-030564: TR 2x.yyy, Nokia, **Type:** TR, **Title:** TR for IMS Conferencing, Stage 3

Discussion : A TR number shall be allocated and the details will be visible in the specification database.

Conclusion : Agreed

N1-030343 : TR 2x.yyy, Nokia, **Type:** CR, **Title:** CR on Conferencing TR: Initial Material

Discussion : This contribution adds initial material to the conferencing TR.

Services should not be defined, only the toolkit should be in the 3GPP documentation. This was thought to be the Johnston draft [7.57], and should therefore be referenced,- but this had split views. Clause 4 about server related to MRFC it was agreed to delete the MRFC.

Conclusion : Revised to 540

N1-030540 : TR 2x.yyy, Nokia, **Type:** CR, **Title:** CR on Conferencing TR: Initial Material

Discussion : MRFC shall act as a notifier, and needs to be deleted.

Conclusion : Revised to 565

N1-030565 : TR 2x.yyy, Nokia, **Type:** CR, **Title:** CR on Conferencing TR: Initial Material

Discussion :

Conclusion : Agreed

N1-030345 : TR 2x.yyy, Nokia, **Type:** CR, **Title:** CR on Conferencing TR: Signalling Flows structure

Discussion : The contribution introduces a call flow for conference creation with a conference-factory URI.

The proposal is to not write any flows for the home network. This seems OK unless the creation has some requirements here. Conferences involving users from PSTN could be a separate point to study. And authentications need investigations. It will be acceptable to remove some flows later from the TR if it turns out to be equal and therefore superfluous.

Conclusion : Revised to 541

N1-030541 : TR 2x.yyy, Nokia, **Type:** CR, **Title:** CR on Conferencing TR: Signalling Flows structure

Discussion :

Conclusion : Agreed

N1-030346 : TR 2x.yyy, Nokia, **Type:** CR, **Title:** CR on Conferencing TR: Conference Creation Flow

Discussion : This contribution is meant as an initial guideline for further signalling call flow contributions to the conferencing TR. It gives a basic overview over the signalling flows that need to be produced. Additions are possible at any time.

The flows should be modified accordingly to 24.228 if 502 is agreed, probably only possible to the next CN1 meeting. The AS is missing from these flows, and only referring to MRFC is not correct. The box will be MRFC/AS. Flow 29 shall not have port number in contact.

Conclusion : Revised to 542

N1-030542 : TR 2x.yyy, Nokia, **Type:** CR, **Title:** CR on Conferencing TR: Conference Creation Flow

Discussion :

Conclusion : Agreed

N1-030347 : TR 2x.yyy, Nokia, **Type:** CR, **Title:** CR on Conferencing TR: Ad Hoc Conference

Discussion : This document proposes a mechanism that allows a UE to automatically create a conference, without having any conference-factory URI or MRFC address pre-configured. This contribution proposes a mechanism that allows a UE to create a conference without any pre-configuration and without the need to access any specific information from other sources. These conferences are called ad hoc conferences. This becomes possible due to the nature of the IMS, where the conference service is always offered in the conference creating users home network. In order to use this mechanism, the UE needs to implement at least the Accept-Contact header and the feature tag "isfocus", which are both defined in draft-ietf-sip-callerprefs-08.txt.

There exists different solutions and more should be studied in future CN1 meetings. By removing the solution with the flag "isfocus" now, the proposal for how to create an Ad Hoc conference can progress.

Conclusion : Noted

N1-030348 : TR 2x.yyy, Nokia, **Type:** CR, **Title:** CR on Conferencing TR: Call Ad Hoc Conference Creation Flow

Discussion :

Conclusion : Withdrawn

N1-030404 : Nokia, **Type:** DISCUSSION, **Title:** CN1 documentation for Release 6 IMS Services and Mt interface

Discussion : During TSGN#19 it was agreed that CN1 shall work on the stage 3 specification for the Mt interface. It needs to be discussed how this work should be started and documented. This has side effects on other Release 6 IMS

services, mainly Presence and Conferencing. Therefore this paper proposes how the work for Conferencing, Presence and the Mt signalling should be documented in CN1.

Expanding the existing TS's was another view (equals proposal 1), since the Rel-6 would not require that much documentation. The defence for create new TS's for Presence and Conferencing and maybe Mt interface is that existing TS's for IMS in CN1 is so big that some PC's even have problem opening them. Also for implementation simplicity. The issue of maintaining all in one is mostly related to 24.229. Service specific view is fine for UE and AS. Some companies supported the proposal in this discussion paper. The Mt had support for going into 24.229. It could not be agreed that proposal 3 in this document is the way to go, but it had most support.

Conclusion : Noted

N1-030405 : Nokia, **Type:** WID, **Title:** Work Item Description for IMS Stage 2 Enhancements (was NP-020385)

Discussion : The update with conferencing is added, and the comments made during the discussion shall go into the revised document 545. And to create a new TS was not agreed in 404,- soothe WID needs to be redone either by removing the new TSs or state that eg. the call flows goes into an annex.. Tick the impacted area as what is within the scope of the WID within CN. Related to 436 which was taken as base for revision.

Conclusion : Noted

N1-030414 : Nokia, **Type:** DISCUSSION, **Title:** S-CSCF acting in originating role

Discussion : SA2 has recently introduced the Service URI terminology into their TSs. The Service URI is a URI hosted in the network to which users can send requests and which can send out messages to users. It is therefore needed, that the AS originating a request on behalf of the Service URI, has a way to find out the address of the S-CSCF used for S-CSCF acting in originating role (the Path header mechanism being not applicable on the ISC interface). This document is proposing to introduce and standardise a parameter which attached to the address of the S-CSCF received from the HSS (the terminating address of the S-CSCF) will indicate to the S-CSCF that it has to act in originating role.

What about storage in the HSS as an alternative? A solution where the AS would start from registration has been studied but it was abandoned by the originating company (Nokia) since registration procedures are UE related and therefore not completely re-usable for AS as such. Should have a study on alternatives before saying that this proposal is the way forward. No working assumption can be reached before all pros and cons are analysed for the various solutions.

Conclusion : Noted

N1-030430 : Nokia, **Type:** DISCUSSION, **Title:** Multiple Terminals

Discussion : In Rel5 an IMS user can have a Public User Identity registered from a single terminal (point of contact) at a given time. It is an inherent feature of SIP to be able to reach a particular user that has multiple devices active and reachable via different contact addresses simultaneously. For the sake of simplicity, support for this feature in the IM CN subsystem has not been developed in Rel-5. However, there is a clear end-user benefit, and operator value-add in such a feature, as it enhances the possibility of a successful session setup attempt. Hence, there is a strong motivation to add the support of forking to the IM CN subsystem.

Cloning UICC's was studied in SA2 but abandoned. The same public user identity is assumed to be able to register to IMS services from multiple terminals, or multiple ISIMs where each ISIM have different private user identity. Forking was not allowed in Rel-5, but seems to be needed for this feature in Rel-6. The existence and maturity of stage 1 requirements was questioned. This work is already covered in the existing IMS stage 3 enhancements WID. The usefulness of the multiple registration call flow was questioned since it would look like two different registrations with the private user identity being the only difference. It was agreed that no TR will be needed to document the changes due to multiple terminals but CRs against the existing TSs are invited.

Conclusion : Noted

N1-030436 : Lucent T., **Type:** WID, **Title:** Revised WID on IMS Stage 3 Enhancements

Discussion : The following changes are required:

- 1) The subtask "PSS alignment to IM CN subsystem" is apparently not proceeding and if so, requires no CN1 activity. This should be confirmed and is agreed, the task should therefore be removed.
- 2) The subtask "Identity portability in IM CN subsystem" is apparently not proceeding and if so, requires no CN1 activity. This should be confirmed and is agreed, the task should therefore be removed.
- 3) While the task "IM CN subsystem local services" has currently been retained, it does require investigation as to what

is required. The SA2 activity could be summarized as taking the material that was removed from release 5, and putting it in the release 6 version of 23.228, rather than any substantive new work.

4) Removal of dynamicsoft from the list of supporting organisations, as they are no longer a 3GPP member. Note that this leaves only three supporting organisations, and I am sure there are more than that out there!

- Further changes are likely based on the discussion of N1-030435 during the meeting.

Could await until the next CN1 meeting to see the similar discussion outcome in SA2. Item 5 was agreed to be deleted, and possible parts of 405 should be taken into consideration in the revision.

Conclusion : Revised to 545

N1-030545 : Lucent T., **Type:** WID, **Title:** Revised WID on IMS Stage 3 Enhancements

Discussion :

Conclusion : Agreed

N1-030476 : Nokia, **Type:** DISCUSSION, **Title:** Openness of Rel6 IMS network

Discussion : In 3GPP Rel5 the use of the Za interface between operators is mandatory. Thus, any traffic between operators has to use the Za interface or it is discarded. The traffic generated by the UEs has to pass through P-CSCF in their way to S-CSCF. As a direct consequence, non-protected traffic will not enter IMS. As the usage of the Zb interface is optional, there may be cases when some malicious users will send SIP messages directly to the S-CSCF, bypassing the P-CSCF. For these cases to be avoided some extra security mechanisms are needed in Rel5 IMS, but those can be implementation specific. The Rel6 IMS will be a more open system and traffic arriving at the entry point of an IMS network (the I-CSCF) will be allowed to pass into IMS even in cases when it was not arriving protected on the Za interface.

This can be solved with TLS which is not part of 3GPP. Hop by hop security and trusted domain are issues discussed. Should be addressed to SA3 in their next meeting.

Conclusion : Noted

8.4 IMS interoperability

None.

8.5 Other Rel-6 issues

N1-030390 : 24.008v600 **CR#750**, Nokia, **Type:** CR, **Title:** MS RAC encoding

Discussion : Currently the encoding of the IEs in 24.008 is inconsistent, since normally the CSN structures only define the value part of the IE but MS RAC is defined with IEI and length octets shown.

Conclusion : Agreed

N1-030391 : 44.065v500 **CR#004r1**, Ericsson, **Type:** CR, **Title:** Additional support of ROHC in SNDPCP

Discussion : SNDPCP has currently support for two header compression schemes (RFC 1144 and RFC 2507) compressing the headers of UDP/IP and TCP/IP. However, the current state-of-the-art header compression platform, ROHC (RObust Header Compression), is not supported. Also, currently there is no support for compression of RTP traffic in SNDPCP, but as new RTP based IMS services are introduced, it is important to have a scheme that efficiently compresses the RTP/UDP/IP headers, in order not to waste valuable radio resources. Today 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. According to the IETF ROHC charter these are expected to be ready in the first half of 2003. Based on the above it is proposed to include ROHC as a new option in SNDPCP from Release 6.

GERAN2 LS says that it is useful in realtime services, but that no study has been carried out for other services. A keypoint from some companies was the completion date late this year for realtime services within GERAN specifications. ROHC is suppressing which headers between UE and P-CSCF? It was claimed that IPsec makes it possible to only compress IP headers. For each PDP context the profile is negotiated and then the question is how the IP headers compression is invoked? ROHC is already in UMTS as a framework and this should not be a problem. If not

for effectiveness the benefit for ROCH is the robustness and portability between 2G and 3G also for low QoS services (non RT services). ROHC is used for signalling regardless the media? No arguments was made why it should not be included now since we anyhow need to do it later on. Should this CR be 'packaged' with the GERAN ones. No technical comments except for editorials was made. Some companies was not prepared to agree in this meeting.

Conclusion : Postponed

N1-030425 : Ericsson, **Type:** WID, **Title:** Emergency Calls for IP& PS Based Calls - stage 3

Discussion : Same version as approved at the CN#19 plenary and is here for information only since it was redone in the plenary. Some late details from 22.101 was mentioned on the CS side, and will be included here if needed in the scope. But normally such details are not required in a WID.

Conclusion : Noted

N1-030435 : Lucent T, **Type:** DISCUSSION, **Title:** An investigation into release 6 dependencies on IETF

Discussion : The meeting should agree upon the list of drafts linked to Rel-6 work in CN1, and possibly move it to the respective place for documentation. One is the dependency list on the 3GPP server made by Stephen Hayes and is a formal and established way towards IETF, and some drafts could possibly go into the work item descriptions and/or the workplan. Agreed that the proposed documented list is the best understanding at this stage in CN1. It was decided to go as input to the list of Stephen Hayes, and it was debated if a some or all or nothing should go into the workplan. This will be discussed during the review of 315 and 544. Any additions of references to any TS or TR under CN1 control will still need to be done by means of normal CRs. The list will be redone for clearer input to Stephens dependency list.

Conclusion : Revised to 544

N1-030544 : Lucent T, **Type:** DISCUSSION, **Title:** An investigation into release 6 dependencies on IETF

Discussion : Johnston draft was thought agreed to be included. The idea of having upto 35 new IETF draft dependencies in the Work Plan was not supported.

Conclusion : Revised to 562

N1-030562 : Lucent T, **Type:** DISCUSSION, **Title:** An investigation into release 6 dependencies on IETF

Discussion : To be used as input for Stephen Hayes dependency list on the 3GPP server.

Conclusion : Agreed

8.6 IMS interworking TR 29.962

N1-030316 : 29.962v110 Siemens, **Type:** TR, **Title:** TR 29.962 v1.1.0

Discussion : The TR was shortly presented. It is a Rel-6 WI. How does the called UE accept the UPDATE without the precondition? It will not be able to support needed extensions in SDP then. Agreed to:

- Improve the readability of the TR by restructuring it. Not only the network but also the UE impact needs to be considered. A related CR which contains the new proposed outline for the TR is in N1-030486, and it also shall improve the terminology and the titles of the subclauses based on N1-030418 and N1-030429.
- Modify Annex C so that it does not document the rogue UE mechanisms to hack the system but to document how the system handles non-compliant UE implementations.
- Redefine the usage of B2BUA so that a proxy does not become a B2BUA dynamically based on what response is received to a request.
- Update the justification for using UPDATE in 4.1.1.1
- Estimates of additional processing load should be removed since none have been made

Conclusion : Noted

N1-030418 : TR 29.962v110 Ericsson, **Type:** CR, **Title:** 29.962: General Revision

Discussion : The changes were presented. Rogue UEs in annex C was proposed deleted as non compliant behavior is normally not standardized. The intention with this annex C was why it is important to use preconditions and show where the problems are. The titles needs modification in that case.

The 429 is overlapping in areas of changes, and that is therefore presented first and then by going through 418 the author of 429 will raise the corresponding change from 429.

The solution with dynamic insertion of B2BUA has network implications and at least it is not needed to state which nodes are impacted. There is no functionality in Rel-5 to show a forwarded call. B2BUA may need to handle the issue of transcoders as non-3GPP terminals may not support 3GPP codecs,- and therefore have a collocated IW functionality. A proxy should not dynamically change to a B2BUA depending on the response. The Za interface between operators are defined with IPsec. In Rel-5 we have no function to interact with non-3GPP networks and also it is not known when a call is going there until reaching such a boundary.

Summary of outcome from 418 and 429 discussion was thought reported in 486, and that it should also contain the modified sequence and structure. So a drafting group exercise is considered during this meeting in order to make a CN1 proposal that CN3 can make the decision on. However it will probably look like a revised TR effectively.

It was agreed to:

- Improve the readability of the TR by restructuring it. Not only the network but also the UE impact needs to be considered.
- Improve the terminology and the titles of the subclauses based on N1-030418 and N1-030429.
- Document the new proposed outline for the TR in N1-030486. This tdoc will contain a proposal to handle the two points above.
- Modify Annex C so that it does not document the rogue UE mechanisms to hack the system but to document how the system handles non-compliant UE implementations.
- Redefine the usage of B2BUA so that a proxy does not become a B2BUA dynamically based on what response is received to a request.
- Update the justification for using update in 4.1.1.1
- Estimates of additional processing load should be removed since none have been made.

Conclusion : Revised to 487

N1-030487 : TR 29.962v110 Ericsson, **Type:** CR, **Title:** 29.962: General Revision

Discussion : Revision of N1-030418 containing also some material from N1-030429. The text was commented in the sense of better clarity, ie. the usage of B2BUA.

Conclusion : Agreed

N1-030429 : TR 29.962v110 Nokia, **Type:** CR, **Title:** Corrections to 29.962

Discussion : This CR restructures also the TR to only 4 level headings. Both CRs (418 and 429) changes terminology. And a goal is to have only information relevant to a reader of the needed information. Everything else than SIP protocol review was asked from CN1, and therefore a proposal was made that structures etc. should have been taken in a CN3 meeting. The restructuring and terminology changes had sympathy and a way forward will be sought maybe during this meeting. Additional processing load was agreed deleted all over as it is not possible to measure. What about the word 'delay' mentioned,- which is not intentionally making B2BUA delaying the call.

Conclusion : Noted

N1-030486 : 29.962v110 Siemens, **Type:** CR, **Title:** Proposal for restructuring TR 29.962

Discussion : The new structure is outlined. New document based on discussions on N1-030418 and N1-030429. TR 29.962 shall be modified in the following way:

- Headings shall be modified or deleted as indicated by changemarks.
- Corresponding figure captions shall be modified in the same way.
- Sections shall be rearranged in the order indicated.
- Headings shall be renumbered as indicated.
- Figure Captions shall be renumbered accordingly.
- Cross-References to Sections and Figures shall be updated accordingly.
- Headings without a new number assigned shall be preserved as underlined text, if a sufficient amount of text fitting to

them is available, and otherwise be removed.

- Text within the sections shall be modified or added as indicated with changemarks in italics.

Could the titles be made shorter by avoiding what UE does but what UE makes use of? The italics are meant for content. Use the extension name only was proposed. It will be up to CN3 to take the decisions on the 2 CRs from this meeting and possible new company CRs contributed there. The outcome from this CN1#29 is the 2 CN1 supported CRs in 487 (if not revised) and 527 which will be sent in a LS. However, if another review or joint meeting is necessary the May meeting of CN1#30 is a possibility for such a work. CN3 decides when to send the TR to the plenary. An updated version of the TR including the 2 CRs will be circulated on the exploders and should be used as base for the CN3 May meeting,- collocated with CN1#30.

It was agreed that:

- CRs against the TR will still be allowed in the next CN WG meetings in May 2003.
- The delegates are requested to submit all such CRs, if any, to CN3 meeting.
- CN1 and CN3 chairs are requested to fix a time slot for treating the TR in CN3 so that also CN1 delegates can participate.
- It will be up to CN3 to decide whether to send the TR to TSGN #20 for approval.
- The agreed CN1 documents on this TR from this meeting will be submitted to CN3 for their approval, since CN3 has the maintenance responsibility of 29.962.

Conclusion : Revised to 527 and LS OUT in 528 by Peter/Siemens

N1-030527 : 29.962v110 Siemens, **Type:** CR, **Title:** Proposal for restructuring TR 29.962

Discussion : What does the word 'resolution' mean? It is the interworking solution and should not leave the feeling of optionality. Remove 'proposed resolution' in chapter 7. Some other editorials to be taken in as well, eg. the missing clause 4 to be added and consequently all clause numbers higher than 4 are incremented by 1.

Conclusion : Revised to 535

N1-030535 : 29.962v110 Siemens, **Type:** CR, **Title:** Proposal for restructuring TR 29.962

Discussion :

Conclusion : Agreed

N1-030485 : 29.962v110 Nortel, **Type:** CR, **Title:** CR 29.962: Change to clause 4.1

Discussion : This document reviews the TR 29.962 and proposes a change to clause 4.1. A third bullet is added to clarify another scenario that is not to be considered.

This change was considered in the new structure of the TR in 486.

Conclusion : Noted

9 LS OUT (output liaison statements)

N1-030477 : Georg/Nokia, **Type:** LS OUT , **To:** SA2, **Cc:** CN, SA1, **Title:** LS on Protocols over the Mt interface

Discussion : Linked to 327. Different issues objected to. Functional deleted and the 4th paragraph. Also paragraph 5 requested to be deleted, but could remain.

Conclusion : Revised to 566

N1-030566 : Georg/Nokia, **Type:** LS OUT , **To:** SA2, **Cc:** CN, SA1, **Title:** LS on Protocols over the Mt interface

Discussion : Linked to 327.

Conclusion : Agreed

N1-030478 : Miguel/Ericsson, **Type:** LS OUT , **To:** RAN, CN, RAN2, **Cc:** GERAN2, **Title:** Reply LS on Radio Access Bearer for PS conversational testing

Discussion : Linked to 336. The only receiver should be changed to SA4,- with copies to RAN2 and GERAN2.

Conclusion : Revised to 547

N1-030547 : Miguel/Ericsson, **Type:** LS OUT , **To:** SA4, **Cc:** RAN2, GERAN2, **Title:** Reply LS on Radio Access Bearer for PS conversational testing

Discussion : Linked to 336. The only receiver should be changed to SA4 with copies to RAN2 and GERAN2.

Conclusion : Agreed

N1-030479 : Inma/Nokia, **Type:** LS OUT, **To:** SA2, **Cc:** GERAN1, GERAN2, RAN1, RAN2, RAN3, T2, **Title:** LS on DRX parameters update

Discussion : Linked to 341. We should not ask the SA2 to reconsider since a decision is pending.

Conclusion : Revised to 567

N1-030567 : Inma/Nokia, **Type:** LS OUT, **To:** SA2, **Cc:** GERAN1, GERAN2, RAN1, RAN2, RAN3, T2, **Title:** LS on DRX parameters update

Discussion : Linked to 341.

Conclusion : Agreed

N1-030484 : Robert/Siemens, **Type:** LS OUT , **To:** SA2, **Cc:** RAN3, **Title:** Reply LS on Early UE handling

Discussion : Linked to 475. Not presented.

Conclusion : Revised to 543

N1-030543 : Robert/Siemens, **Type:** LS OUT , **To:** SA2, **Cc:** RAN3, **Title:** Reply LS on Early UE handling

Discussion : Linked to 475.

Conclusion : Agreed

N1-030488 : Atle/Ericsson, **Type:** LS OUT , **To:** SA2, **Cc:** CN, CN3, **Title:** LS on IPv6 DNS server discovery in release 99 and release 4

Discussion : Linked to 426. CN3 should go into To part, even there is no action for them at this stage. Wording issues.

Conclusion : Revised to 548

N1-030548 : Atle/Ericsson, **Type:** LS OUT , **To:** SA2, CN3, **Cc:** CN, **Title:** LS on IPv6 DNS server discovery in release 99 and release 4

Discussion : Linked to 426. The attachment 420 will be added.

Conclusion : Agreed

N1-030498 : Keith/Lucent, **Type:** LS OUT , **To:** SA5, **Cc:** SA2, **Title:** LS on duration of ICID at IMS registration

Discussion : Linked to 397. Restructuring requested.

Conclusion : Revised to 560

N1-030560 : Keith/Lucent, **Type:** LS OUT , **To:** SA5, **Cc:** SA2, **Title:** LS on duration of ICID at IMS registration

Discussion : Linked to 397.

Conclusion : Agreed

N1-030504 : Atle/Ericsson, **Type:** LS OUT , **To:** SA2, **Cc:** , **Title:** LS on change of IP address due to privacy

Discussion : Linked to 427. In the actions for SA2 they should be asked not just to consider but also comment the proposed solution.

Conclusion : Revised to 549

N1-030549 : Atle/Ericsson, **Type:** LS OUT , **To:** SA2, **Cc:** , **Title:** LS on change of IP address due to privacy

Discussion : Linked to 427.

Conclusion : *Agreed*

N1-030509 : Peter/Siemens, **Type**: LS OUT , **To**: CN3, **Cc**: , **Title**: LS on Handling of DTMF

Discussion : Linked to 317 and 394.

Conclusion : *Agreed*

N1-030528 : Peter/Siemens, **Type**: LS OUT , **To**: CN3, **Cc**: , **Title**: LS CN1 review of SIP interworking TR29.962

Discussion : Linked to 487 and 527.

Conclusion : *Agreed*

N1-030538 : Yukio/NEC, **Type**: LS OUT , **To**: SA1, SA5, **Cc**: SA2, **Title**: LS on regulatory and administration requirements for barring public user identity for IMS

Discussion : Linked to 395. SA1 should have company contributions if any.

Conclusion : *Rejected*

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)

N1-030344 : Nokia, **Type**: OTHER, **Title**: AFD for IMS

Discussion : It needs a new revision next first of April.

Conclusion : *Noted*

12 Closing of the meeting

16:00 Friday 04.04.2003

Review of dates and hosts for future meetings

A joint Ad Hoc meeting is proposed on UE Idle mode and RAN interactions to RAU for 24th and 25th of April 2003 in Paris (no paging temporarily possible for UMTS mobile after loss of coverage). No mandate except that CN1 CRs can not be agreed , no agenda nor invitation is recived yet,- but CN1 delegates are invited. Further information will be distributed on the emailexploders. NEC will host the meeting.

A MBMS Ad Hoc meeting is proposed to accelerate the work on stage 3, and could be collocated with RAN WGs in June or July. But after SA2 can confirm sufficient progress, and deciding the principles for CN1 to build on. Is it only CN1 ad hoc or a joint ad hoc? Will the mandate be to agree documents to be brought to eg. CN1#30 for agreement.

Document deadlines should be applied to the ad hocs as well.

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)
TSGN #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'
TSGN #20	4 - 6 June 2003	Hameenlinna, Finland	Nokia
N1#31	25 - 29 August 2003	Sophia Antipolis, France	ETSI
TSGN #21	17 - 19 September 2003	Berlin, Germany	?
N1#32	27 - 31 October 2003	China?	Japanese Friends of 3GPP and Ericsson China
TSGN #22	10 - 12 December 2003	Hawaii, USA	North American & Japanese Friends of 3GPP

Annex A Joint meeting report with none

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

Annex B List of participants

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Organisation partner representative (ETSI)

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Annex C Agreed 31 CRs

Status	TDoc #	Spec	CR #	Rev	CA	Tdoc Title	C Ver	Type	WI	Rel
AGREED	N1-030515	23.218	043	1	F	Correction on Handling of MO request	5.4.0	CR	IMS-CCR	Rel-5
AGREED	N1-030516	23.218	044		F	Corrections regarding SPTs and Filter Criteria handling on REGISTER request	5.4.0	CR	IMS-CCR	Rel-5
AGREED	N1-030517	23.218	046	1	F	Clarifications on SPT.	5.4.0	CR	IMS - CCR	Rel-5
AGREED	N1-030390	24.008	750		F	MS RAC encoding	6.0.0	CR	TEI-6	Rel-6
AGREED	N1-030554	24.008	753	3	F	Bearer Capability IE	3.15.0	CR	TEI	R99
AGREED	N1-030555	24.008	754	3	A	Bearer Capability IE	4.10.0	CR	TEI	Rel-4
AGREED	N1-030556	24.008	755	3	A	Bearer Capability IE	5.7.0	CR	TEI	Rel-5
AGREED	N1-030557	24.008	756	3	A	Bearer Capability IE	6.0.0	CR	TEI	Rel-6

AGREED	N1-030408	24.228	103		F	Minor 24.228 cleanup	5.4.0	CR	IMS-CCR	Rel-5
AGREED	N1-030502	24.228	104	1	F	General update (SDP) to clauses 7 and 8	5.4.0	CR	IMS-CCR	Rel-5
AGREED	N1-030416	24.228	105		F	Globally unique value of the ICID	5.4.0	CR	IMS-CCR	Rel-5
AGREED	N1-030512	24.228	106	1	F	Alignment of flows with RFC 3329 (sec-agree)	5.4.0	CR	IMS-CCR	Rel-5
AGREED	N1-030458	24.228	107		F	Minor corrections in 10.4.2 and 10.5.2	5.4.0	CR	IMS-CCR	Rel-5
AGREED	N1-030459	24.228	108		F	Minor corrections in 5.3.6	5.4.0	CR	IMS-CCR	Rel-5
AGREED	N1-030493	24.229	304	4	F	SAs lifetimes in P-CSCF	5.4.0	CR	IMS-CCR	Rel-5
AGREED	N1-030349	24.229	342		F	Removal of the requirement for UE re-authentication initiated by HSS	5.4.0	CR	IMS-CCR	Rel-5
AGREED	N1-030552	24.229	343	2	F	UE behaviour on reception of 420 (Bad Extension) message	5.4.0	CR	IMS-CCR	Rel-5
AGREED	N1-030494	24.229	344	1	F	Setting the SA lifetime at UE upon registration	5.4.0	CR	IMS-CCR	Rel-5
AGREED	N1-030495	24.229	345	1	F	SA lifetime upon UE initiated de-registration	5.4.0	CR	IMS-CCR	Rel-5
AGREED	N1-030496	24.229	346	1	F	SA lifetime upon network initiated de-registration	5.4.0	CR	IMS-CCR	Rel-5
AGREED	N1-030551	24.229	347	2	F	Handling of DTMF	5.4.0	CR	IMS-CCR	Rel-5
AGREED	N1-030510	24.229	348	1	F	Format of Tel URL in P-Asserted-Id	5.4.0	CR	IMS-CCR	Rel-5
AGREED	N1-030387	24.229	349		F	Delete Note on header stripping/SDP manipulation	5.4.0	CR	IMS-CCR	Rel-5
AGREED	N1-030520	24.229	354	1	F	Clarifications on using DNS procedures	5.4.0	CR	IMS-CCR	Rel-5

AGREED	N1-030499	24.229	357	1	F	Usage of P-Associated-URI	5.4.0	CR	IMS-CCR	Rel-5
AGREED	N1-030558	24.229	358	2	F	User initiated de-registration at P-CSCF	5.4.0	CR	IMS-CCR	Rel-5
AGREED	N1-030501	24.229	359	1	F	Network-initiated deregistration at UE and P-CSCF	5.4.0	CR	IMS-CCR	Rel-5
AGREED	N1-030550	24.229	360	2	F	Barred identities	5.4.0	CR	IMS-CCR	Rel-5
AGREED	N1-030559	24.229	362	2	F	User initiated de-registration	5.4.0	CR	IMS-CCR	Rel-5
AGREED	N1-030513	24.229	365	1	F	PDP contex subject to SBLP cannot be reused by other IMS sessions	5.4.0	CR	IMS-CCR	Rel-5
AGREED	N1-030506	24.229	368	1	F	User authentication failure cleanups	5.4.0	CR	IMS-CCR	Rel-5

CRs for e-mail agreement

None

Documents Endorsed by N1

None

Annex D Tdoc list (incl. the status)

Agenda	TDoc #	Tdoc Title	Source	Spec	WI	C_Version	Rel	CAT	CR #	Rev	Type	Comments	Status
2	N1-030311	Sophia0304	Chairman								AGENDA		AGREED
2	N1-030312	DRAFT MEETING REPORT v1.1.1, 3GPP TSG-CN#19	MCC								REPORT		NOTED
2	N1-030313	Draft Report for TSG SA meeting #19	MCC								REPORT		NOTED
4	N1-030314	CN1 specification responsibility list after plenary#19	MCC								LIST		NOTED
4	N1-030315	Latest workplan from March 2003 for review	MCC								WORK PLAN		REVISED TO 563

8.6	N1-030316	TR 29.962 v1.1.0	Siemens	29.962		1.1.0	Rel-6				TR		NOTED
3	N1-030317	LS Handling of DTMF in IMS	CN3								LS IN	N3-030184, To: SA4, CN1, Cc:	LS OUT in 509 by Peter/Siemens
3	N1-030318	LS on Handling of the SDP "inactive" direction attribute.	CN3								LS IN	N3-030186, To: SA5, Cc: CN1	NOTED
3	N1-030319	LS on "Relationship between IMS sessions and a PDP context"	CN3								LS IN	N3-030188, To: SA2, Cc: SA5, CN1,	NOTED
3	N1-030320	LS response on Early Ue Handling	CN4								LS IN	N4-030220, To: RAN, RAN3, SA5 SWGD, Cc: SA2, CN1,	NOTED
3	N1-030321	LS on clarification on the requirement for UE re-authentication initiated by HSS	CN4								LS IN	N4-030249, To: SA2, SA3, CN1, Cc: ,	NOTED
3	N1-030322	Draft Response to LSs on Use of E164 numbers for data only terminals (S2-030031=N4-021566; S2-030036=S1-022281)	SA2								LS IN	S2-030276, To: SA1, CN4, Cc: CN1, T3,	NOTED
3	N1-030323	Reply LS on SS barring for SMS transfer over GPRS	SA2								LS IN	S2-030959, To: CN, SA1, Cc: CN1, CN4,	NOTED
3	N1-030324	Liaison Statement on Core Network Provision of separate flows for P2P and P2M radio Transmission	SA2								LS IN	S2-030990, To: RAN1, RAN2, GERAN1, GERAN2, Cc: SA4, CN1, CN4,	NOTED
3	N1-030325	LS on Clarification of Scenario 2 and Scenario 3 architectural characteristics and stable and non-stable parts	SA2								LS IN	S2-030994, To: SA, SA3, SA5, CN, CN1, CN4, CN3, Cc: SA1,	NOTED

3	N1-030335	LS on verification of the identity of watchers	SA2								LS IN	S2-030448, To: CN1, Cc: ,	NOTED
3	N1-030336	LS on Radio Access Bearer for PS conversational testing	Forwarded from CN#19								LS IN	NP-030125, originally To: CN, RAN, RAN2 with Cc: GERAN2	LS OUT in 478 by Miguel/Ericsson
3	N1-030337	LS on early UE handling	SA2								LS IN	S2-031004 To: RAN, Cc: SA, RAN2, GERAN, CN, CN1, CN4, RAN3,	NOTED
3	N1-030338	LS on double ciphering for MBMS multicast data.	SA3								LS IN	S3-030156, To: RAN2, GERAN2, Cc: CN1,	NOTED
3	N1-030339	Reply to LS on MS RAC for UMTS only mobiles	GERAN2								LS IN	G2-030259, To: CN, CN1, Cc: ,	NOTED
3	N1-030340	Response LS on support of ROHC in TS 44.065 (SNDP)	GERAN2								LS IN	G2-030270, To: CN1, Cc: ,	NOTED
3	N1-030341	Liaison on DRX parameter	SA2								LS IN	S2-030958, To: GERAN1, GERAN2, CN1, RAN1, RAN2, RAN3, Cc: T2,	LS OUT in 479 by Inma/Nokia
8.3	N1-030342	TR for IMS Conferencing, Stage 3	Nokia / Georg Mayer		IMS-CCR-E		Rel-6				TR		REVISED TO 539
8.3	N1-030343	CR on Conferencing TR: Initial Material	Nokia / Georg Mayer		IMS-CCR-E		Rel-6				CR		REVISED TO 540
11	N1-030344	AFD for IMS	Nokia / Georg Mayer								OTHE R		NOTED
8.3	N1-030345	CR on Conferencing TR: Signalling Flows structure	Nokia / Georg Mayer		IMS-CCR-E		Rel-6				CR		REVISED TO 541
8.3	N1-030346	CR on Conferencing TR: Conference Creation Flow	Nokia / Georg Mayer		IMS-CCR-E		Rel-6				CR		REVISED TO 542

8.3	N1-030347	CR on Conferencing TR: Ad Hoc Conference	Nokia / Georg Mayer		IMS-CCR-E		Rel-6				CR		NOTED
8.3	N1-030348	CR on Conferencing TR: Call Ad Hoc Conference Creation Flow	Nokia / Georg Mayer		IMS-CCR-E		Rel-6				CR		WITHDRAWN
7.03	N1-030349	Removal of the requirement for UE re-authentication initiated by HSS	Orange	24.229	IMS-CCR	5.4.0	Rel-5	F	342		CR		AGREED
7.04	N1-030350	UE behaviour on reception of 420 (Bad Extension) message	Orange	24.229	IMS-CCR	5.4.0	Rel-5	F	343		CR		REVISED TO 507
7.08	N1-030351	Correction on Handling of MO request	Orange	23.218	IMS-CCR	5.4.0	Rel-5	F	043		CR		REVISED TO 515
7.08	N1-030352	Corrections regarding SPTs and Filter Criteria handling on REGISTER request	Orange	23.218	IMS-CCR	5.4.0	Rel-5	F	044		CR		REVISED TO 516
3	N1-030353	Liaison statement on error handling in Pre-R99 networks	CN								LS IN	NP-030146, To: GSMA Board, GSMA TWG, Cc: GERAN, SA, CN1,	NOTED
7.03	N1-030354	SAs lifetimes in P-CSCF	Lucent Technologies / Milo Orsic	24.229	IMS-CCR	5.4.0	Rel-5	F	304	3	CR		REVISED TO 493
7.03	N1-030355	Setting the SA lifetime at UE upon registration	Lucent Technologies / Milo Orsic	24.229	IMS-CCR	5.4.0	Rel-5	F	344		CR		REVISED TO 494
7.03	N1-030356	SA lifetime upon UE initiated de-registration	Lucent Technologies / Milo Orsic	24.229	IMS-CCR	5.4.0	Rel-5	F	345		CR		REVISED TO 495
7.03	N1-030357	SA lifetime upon network initiated de-registration	Lucent Technologies / Milo Orsic	24.229	IMS-CCR	5.4.0	Rel-5	F	346		CR		REVISED TO 496
7.02	N1-030358	Summary of current IETF documents on SIPPING	Lucent Technologies / Keith Drage		IMS-CCR						INFO		NOTED
7.02	N1-030359	Summary of current IETF documents on SIP	Lucent Technologies / Keith		IMS-CCR						INFO		NOTED

7.0 2	N1-030360	Summary of current IETF documents on MMUSIC	Lucent Technologies / Keith Drage		IMS-CCR							INFO		NOTED
8.1	N1-030361	Summary of current IETF documents on SIMPLE	Lucent Technologies / Keith Drage		PRES NC		Rel-6					INFO		NOTED
8.1	N1-030362	Draft 3GPP TR 24.841 "Presence based on SIP; Functional models, information flows and protocol details"	Lucent Technologies / Keith Drage	24.841	PRES NC	0.5.0	Rel-6					TR		NOTED
8.1	N1-030363	Presence WID open issues list	Lucent Technologies / Keith Drage		PRES NC		Rel-6					INFO		NOTED
7.0 3	N1-030364	An analysis of the requirements for the Security-Client header	Lucent Technologies / Keith Drage		IMS-CCR							INFO		NOTED
7.0 3	N1-030365	An analysis of the requirements for the Security-Server header	Lucent Technologies / Keith Drage		IMS-CCR							INFO		NOTED
7.0 3	N1-030366	An analysis of the requirements for the Security-Verify header	Lucent Technologies / Keith Drage		IMS-CCR							INFO		NOTED
7.0 3	N1-030367	Security agreement inclusion in SIP profile	Lucent Technologies / Keith Drage	24.229	IMS-CCR	5.4.0	Rel-5	F	295	1		CR		REVISED TO 497
7.0 4	N1-030368	S-CSCF general procedure corrections	Lucent Technologies / Keith Drage	24.229	IMS-CCR	5.4.0	Rel-5	F	298	1		CR		Not available
8.1	N1-030369	CR to 24.841: Clause 6.1.2.1 revisions to include P-CSCF and S-CSCF storage	Lucent Technologies / Keith Drage	24.841	PRES NC	0.5.0	Rel-6					CR		WITHDRAWN
8.1	N1-030370	CR to 24.841: Clause 6.1.3.1 revisions to include P-CSCF and S-CSCF storage	Lucent Technologies / Keith Drage	24.841	PRES NC	0.5.0	Rel-6					CR		WITHDRAWN

8.1	N1-030371	CR to 24.841: Clause 6.1.3.2 revisions to include P-CSCF and S-CSCF storage	Lucent Technologies / Keith Drage	24.841	PRES NC	0.5.0	Rel-6					CR		WITHDRAWN
8.1	N1-030372	CR to 24.841: Clause 6.1.4.1 revisions to include P-CSCF and S-CSCF storage	Lucent Technologies / Keith Drage	24.841	PRES NC	0.5.0	Rel-6					CR		WITHDRAWN
8.1	N1-030373	CR to 24.841: Clause 6.4 revisions to include P-CSCF and S-CSCF storage	Lucent Technologies / Keith Drage	24.841	PRES NC	0.5.0	Rel-6					CR		WITHDRAWN
7.0	N1-030374	An analysis of the requirements for the P-Associated-URI header	Lucent Technologies / Keith Drage		IMS-CCR							INFO		NOTED
7.0	N1-030375	An analysis of the requirements for the P-Called-Party-ID header	Lucent Technologies / Keith Drage		IMS-CCR							INFO		NOTED
7.0	N1-030376	An analysis of the requirements for the P-Visited-Network-ID header	Lucent Technologies / Keith Drage		IMS-CCR							INFO		NOTED
7.0	N1-030377	An analysis of the requirements for the P-Access-Network-Info header	Lucent Technologies / Keith Drage		IMS-CCR							INFO		NOTED
7.0	N1-030378	An analysis of the requirements for the P-Charging-Function-Addresses header	Lucent Technologies / Keith Drage		IMS-CCR							INFO		NOTED
7.0	N1-030379	An analysis of the requirements for the P-Charging-Vector header	Lucent Technologies / Keith Drage		IMS-CCR							INFO		NOTED
7.0	N1-030380	3GPP P-header inclusion in SIP profile	Lucent Technologies / Keith Drage	24.229	IMS-CCR	5.4.0	Rel-5	F	322	1	CR	Not presented due to wrong TS version used. Revised to 469.	WITHDRAWN	
8.1	N1-030381	CR to 24.841: Addition of network asserted identity headers	Lucent Technologies / Keith	24.841	PRES NC	0.5.0	Rel-6					CR		AGREED

		to PUBLISH profile	Drage										
8.1	N1-030382	CR to 24.841: Addition of 3GPP P-headers to PUBLISH profile	Lucent Technologies / Keith Drage	24.841	PRES NC	0.5.0	Rel-6					CR	REVISED TO 523
8.1	N1-030383	This contribution resolves a number of minor issues with clause 7.	Lucent Technologies / Keith Drage	24.841	PRES NC	0.5.0	Rel-6					CR	REVISED TO 524
8.1	N1-030384	CR to 24.841: Miscellaneous clause 7 revisions	Lucent Technologies / Keith Drage	24.841	PRES NC	0.5.0	Rel-6					CR	AGREED
7.0	N1-030385	Handling of DTMF	Siemens	24.229	IMS-CCR	5.4.0	Rel-5	F	347			CR	REVISED TO 508
7.0	N1-030386	Format of Tel URL in P-Asserted-Id	Siemens	24.229	IMS-CCR	5.4.0	Rel-5	F	348			CR	REVISED TO 510
7.0	N1-030387	Delete Note on header stripping/SDP manipulation	Siemens	24.229	IMS-CCR	5.4.0	Rel-5	F	349			CR	AGREED
6.1	N1-030388	Revision level fallback	Nokia	24.008	TEI	3.15.0	R9-9	F	748			CR	REVISED TO 536
6.1	N1-030389	QoS length fallback	Nokia	24.008	TEI	3.15.0	R9-9	F	749			CR	REVISED TO 537
8.5	N1-030390	MS RAC encoding	Nokia	24.008	TEI-6	6.0.0	Rel-6	F	750			CR	AGREED
8.5	N1-030391	Additional support of ROHC in SNDSCP	Ericsson LM	44.065	TEI-6	5.0.0	Rel-6	B	004	1		CR	POSTPONED
6.1	N1-030392	Combined RAU successful for GPRS only, missing GMM cause IE	Siemens	24.008	TEI	3.15.0	R9-9	F	751			CR	Corresponding change to Rel-5 was part of implemented CR741r1, TEI5 POSTPONED
6.1	N1-030393	Combined RAU successful for GPRS only, missing GMM cause IE	Siemens	24.008	TEI	4.10.0	Rel-4	A	752			CR	POSTPONED
7.0	N1-030394	Handling of DTMF with inactive attribute	Siemens									DISC	NOTED
7.0	N1-030395	Clarifications on barring public user identity	NEC/Yukio Kawanami	23.218	IMS-CCR	5.4.0	Rel-5	F	045			CR	REJECTED
7.0	N1-030396	Clarifications on SPT.	NEC/Yukio Kawanami	23.218	IMS-CCR	5.4.0	Rel-5	F	046			CR	REVISED TO 517

7.0 3	N1- 030397	Clarifications on ICID for REGISTER	NEC/Yuki o Kawanam i	24.229	IMS - CCR	5.4.0	Rel -5	F	350		CR	LS OUT in 498 by Keith/Luce nt	POSTPO NED
7.0 4	N1- 030398	Clarifications on S-CSCF procedures for iFC	NEC/Yuki o Kawanam i	24.229	IMS - CCR	5.4.0	Rel -5	F	351		CR		POSTPO NED
7.0 4	N1- 030399	Clarifications on barring public user identity	NEC/Yuki o Kawanam i	24.229	IMS - CCR	5.4.0	Rel -5	F	352		CR		REJECTE D
7.0 4	N1- 030400	Clarification on determination of mobile originated call	NEC/Yuki o Kawanam i	24.229	IMS - CCR	5.4.0	Rel -5	F	353		CR		REJECTE D
7.0 6	N1- 030401	Clarifications on using DNS procedures	NEC/Yuki o Kawanam i	24.229	IMS - CCR	5.4.0	Rel -5	F	354		CR		REVISED TO 520
7.0 6	N1- 030402	Clarifications on general purpose PDP context	NEC/Yuki o Kawanam i	24.229	IMS - CCR	5.4.0	Rel -5	F	355		CR		REJECTE D
7.0 6	N1- 030403	Addition of procedures at the AS for SDP	NEC/Yuki o Kawanam i	24.229	IMS - CCR	5.4.0	Rel -5	F	356		CR		REVISED TO 514
8.3	N1- 030404	CN1 documentation for Release 6 IMS Services and Mt interface	Nokia / Georg								DISC		NOTED
8.3	N1- 030405	Work Item Description for IMS Stage 2 Enhancements (was NP-020385)	Nokia / Georg		IMS- CCR- E		Rel -6				WID		NOTED
8.1	N1- 030406	Work Item Description for Presence (was NP-020491)	Nokia / Georg		PRES NC		Rel -6				WID		REVISED TO 546
7.0 3	N1- 030407	Usage of P- Associated-URI	Nokia / Georg	24.229	IMS- CCR	5.4.0	Rel -5	F	357		CR		REVISED TO 499
7.0 4	N1- 030408	Minor 24.228 cleanup	Siemens	24.228	IMS- CCR	5.4.0	Rel -5	F	103		CR		AGREED
7.0 3	N1- 030409	User initiated de- registration at P- CSCF	Nokia	24.229	IMS- CCR	5.4.0	Rel -5	F	358		CR		REVISED TO 500
7.0 3	N1- 030410	Network-initiated deregistration at UE and P-CSCF	Nokia	24.229	IMS- CCR	5.4.0	Rel -5	F	359		CR		REVISED TO 501
7.0 4	N1- 030411	Barred identities	Nokia	24.229	IMS- CCR	5.4.0	Rel -5	F	360		CR		REVISED TO 511
7.0 3	N1- 030412	SA lifetime	Nokia	24.229	IMS- CCR	5.4.0	Rel -5	F	361		CR		REJECTE D
7.0 3	N1- 030413	User initiated de- registration	Nokia	24.229	IMS- CCR	5.4.0	Rel -5	F	362		CR		REVISED TO 503
8.3	N1- 030414	S-CSCF acting in originating role	Nokia								DISC		NOTED

7.0 4	N1- 030415	General update (SDP) to clauses 7 and 8	Ericsson (M. Garcia)	24.228	IMS-CCR	5.4.0	Rel -5	F	104		CR		REVISED TO 502
7.0 4	N1- 030416	Globally unique value of the ICID	Ericsson (M. Garcia)	24.228	IMS-CCR	5.4.0	Rel -5	F	105		CR		AGREED
7.0 5	N1- 030417	P-CSCF initiated call release with BYE	Ericsson (M. Garcia)	24.229	IMS-CCR	5.4.0	Rel -5	F	363		CR		REJECTE D
8.6	N1- 030418	29.962: General Revision	Ericsson (M. Garcia)	29.962		1.1.0	Rel -6				CR		REVISED TO 487
8.1	N1- 030419	24841: authorization of watchers	Ericsson (M. Garcia)	24.841			Rel -6				CR		AGREED
3	N1- 030420	Reply LS on "Relationship between IMS sessions and a PDP context"	SA2								LS IN	S2-031029, To: CN3, Cc: SA5, CN1,	NOTED
3	N1- 030421	Reply LS on Structure of IMS Charging Identifier (ICID)	SA5								LS IN	S5-034173, To: SA2, Cc: CN1, CN3, CN4,	NOTED
3	N1- 030422	LS on the Inclusion of the ECF/CCF Addresses on the 'Sh' interface	SA5								LS IN	S5-034176, To: SA2, CN4, CN1, Cc: ,	NOTED
7.0 8	N1- 030423	Clarifications on service key	NEC/Yukio Kawanami	23.218	IMS - CCR	5.4.0	Rel -5	F	047		CR		REVISED TO 518
7.0 4	N1- 030424	Clarifications on service key	NEC/Yukio Kawanami	24.229	IMS - CCR	5.4.0	Rel -5	F	364		CR		REJECTE D
8.5	N1- 030425	Emergency Calls for IP& PS Based Calls - stage 3	Ericsson / A Monrad		EMC1-PS		Rel -6				WID		NOTED
6.1	N1- 030426	Support of IPv6 in pre-rel 5 networks	Ericsson / A Monrad		TEI4		R9 9				DISC	LS OUT in 488 by Atle/Ericsson	NOTED
7.0 3	N1- 030427	Change of IP address for the UE	Ericsson / A Monrad	24.229	IMS-CCR	5.4.0	Rel -5	F	332	2	CR		POSTPONED
7.0 4	N1- 030428	PDP contex subject to SBLP cannot be reused by other IMS sessions	Ericsson / A Monrad	24.229	IMS-CCR	5.4.0	Rel -5	F	365		CR		REVISED TO 513
8.6	N1- 030429	Corrections to 29.962	Nokia	29.962		1.1.0	Rel -6				CR		NOTED
8.3	N1- 030430	Multiple Terminals	Nokia								DISC		NOTED
6.1	N1- 030431	Bearer Capability IE	Ericsson	24.008	TEI	3.15.0	R9 9	F	753		CR	Not presented.	REVISED TO 480
6.1	N1-	Bearer Capability	Ericsson	24.008	TEI	4.10.	Rel A		754		CR	Not	REVISED

	030432	IE				0	-4					presented.	TO 481
6.1	N1-030433	Bearer Capability IE	Ericsson	24.008	TEI	5.7.0	Rel-5	A	755		CR	Not presented.	REVISED TO 482
6.1	N1-030434	Bearer Capability IE	Ericsson	24.008	TEI	6.0.0	Rel-6	A	756		CR	Not presented.	REVISED TO 483
8.5	N1-030435	An investigation into release 6 dependencies on IETF	Lucent Technologies / Keith Drage		IMS-CCR-E, PRESENCE, EMC1-PS						DISC		REVISED TO 544
8.3	N1-030436	Revised WID on IMS Stage 3 Enhancements	Lucent Technologies / Keith Drage		IMS-CCR-E		Rel-6				WID		REVISED TO 545
8.1	N1-030437	Revised WID on Support of the Presence Service in Core Network Signalling Protocols	Lucent Technologies / Keith Drage		PRESENCE		Rel-6				WID		NOTED
7.0	N1-030438	Alignment of security header procedures with RFC 3329	Lucent Technologies / Keith Drage	24.229	IMS-CCR	5.4.0	Rel-5	F	366		CR		REVISED TO 505
7.0	N1-030439	Alignment of flows with RFC 3329 (sec-agree)	Lucent Technologies / Keith Drage	24.228	IMS-CCR	5.4.0	Rel-5	F	106		CR		REVISED TO 512
7.0	N1-030440	Discussion on the use of privacy in release 5 IM CN subsystem	Lucent Technologies / Keith Drage		IMS-CCR		Rel-5				DISC		NOTED
7.0	N1-030441	Completion of major capabilities table in respect of privacy	Lucent Technologies / Keith Drage	24.229	IMS-CCR	5.4.0	Rel-5	F	367		CR		POSTPONED
7.0	N1-030442	Discussion on application of id privacy	Lucent Technologies / Keith Drage		IMS-CCR		Rel-5				DISC		Not available
8.1	N1-030443	CR to 24.841: Miscellaneous clause 7 revisions	Lucent Technologies / Keith Drage	24.841	IMS-CCR	0.5.0	Rel-6	D			CR		Not available
8.1	N1-030444	CR to 24.841: Use of Record-Route in flows	Lucent Technologies / Keith Drage	24.841	IMS-CCR	0.5.0	Rel-6	D			CR		Not available
7.0	N1-030445	User authentication failure cleanups	Ericsson / A Monrad	24.229	IMS-CCR	5.4.0	Rel-5	F	368		CR		REVISED TO 506

8.1	N1-030446	CR: Flow updates according to draft-ietf-simple-list-event-00	Nokia/Krisztian Kiss	24.841	PRES NC	0.5.0	Rel-6				CR		REVISED TO 525
8.1	N1-030447	CR: Dependency on draft-ietf-simple-list-event-00	Nokia/Krisztian Kiss	24.841	PRES NC	0.5.0	Rel-6				CR		REVISED TO 526
8.1	N1-030448	CR: Flow updates according to draft-olson-simple-publish-02	Nokia/Krisztian Kiss	24.841	PRES NC	0.5.0	Rel-6				CR		AGREED
8.1	N1-030449	CR: Dependency on draft-olson-simple-publish-02	Nokia/Krisztian Kiss	24.841	PRES NC	0.5.0	Rel-6				CR		REVISED TO 529
8.1	N1-030450	CR: Bibliography update	Nokia/Krisztian Kiss	24.841	PRES NC	0.5.0	Rel-6				CR		AGREED
8.1	N1-030451	CR: Dependency on draft-ietf-simple-presence-10	Nokia/Krisztian Kiss	24.841	PRES NC	0.5.0	Rel-6				CR		REVISED TO 530
8.1	N1-030452	CR: Dependency on draft-ietf-simple-winfo-package-05 and draft-ietf-simple-winfo-format-04	Nokia/Krisztian Kiss	24.841	PRES NC	0.5.0	Rel-6				CR		REVISED TO 531
8.1	N1-030453	CR: Filtering of subscriptions	Nokia/Krisztian Kiss	24.841	PRES NC	0.5.0	Rel-6				CR		REVISED TO 532
8.1	N1-030454	CR: Partial notifications	Nokia/Krisztian Kiss	24.841	PRES NC	0.5.0	Rel-6				CR		REVISED TO 533
8.1	N1-030455	CR: Subscribing for presence on behalf of another user	Nokia/Krisztian Kiss	24.841	PRES NC	0.5.0	Rel-6				CR		REVISED TO 534
8.1	N1-030456	CR: Update on the presence information model	Nokia/Krisztian Kiss	24.841	PRES NC	0.5.0	Rel-6				CR		AGREED
7.0	N1-030457	S-CSCF behavior correction to enable call forwarding	Nokia/Krisztian Kiss	24.229	IMS-CCR	5.4.0	Rel-5	F	369		CR		WITHDRAWN
7.0	N1-030458	Minor corrections in 10.4.2 and 10.5.2	Nokia/Krisztian Kiss	24.228	IMS-CCR	5.4.0	Rel-5	F	107		CR		AGREED
7.0	N1-030459	Minor corrections in 5.3.6	Nokia/Krisztian Kiss	24.228	IMS-CCR	5.4.0	Rel-5	F	108		CR		AGREED
8.1	N1-030460	Record-Routing of SIP dialogs in S-CSCF	Nokia/Krisztian Kiss		IMS-CCR		Rel-6				DISC		NOTED
7.0	N1-030461	UE behaviour when sending SMS over GPRS	Ericsson	24.011	TEI5	5.1.0	Rel-5	F	027		CR		POSTPONED
8.2	N1-030462	Latest version of TR 29.846	3	29.846	MBMS	0.1.0	Rel-6				TR		NOTED
8.2	N1-	Update to	3	29.846	MBMS	0.1.0	Rel				CR		Not

	030477	over the Mt interface	kia									OUT	327. To:SA2, Cc: CN, SA1	TO 566
9	N1-030478	Reply LS on Radio Access Bearer for PS conversational testing	Miguel/Ericsson									LS OUT	Linked to 336.	REVISED TO 547
9	N1-030479	LS on DRX parameters update	Inma/Nokia									LS OUT	Linked to 341. To: SA2, Cc: GERAN1, GERAN2, RAN1, RAN2, RAN3, T2	REVISED TO 567
6.1	N1-030480	Bearer Capability IE	Ericsson	24.008	TEI	3.15.0	R9	F	753	1	CR	Revised from 431.	REVISED TO 489	
6.1	N1-030481	Bearer Capability IE	Ericsson	24.008	TEI	4.10.0	Rel-4	A	754	1	CR	Revised from 432.	REVISED TO 490	
6.1	N1-030482	Bearer Capability IE	Ericsson	24.008	TEI	5.7.0	Rel-5	A	755	1	CR	Revised from 433.	REVISED TO 491	
6.1	N1-030483	Bearer Capability IE	Ericsson	24.008	TEI	6.0.0	Rel-6	A	756	1	CR	Revised from 434.	REVISED TO 492	
9	N1-030484	Reply LS on Early UE handling	Robert/Siemens									LS OUT	Linked to 475. To: SA2, Cc: RAN3	REVISED TO 543
8.6	N1-030485	CR 29.962: Change to clause 4.1	Nortel	29.962								CR	Related to 316.	NOTED
8.6	N1-030486	Proposal for restructuring TR 29.962	Thomas/Siemens	29.962								CR		REVISED TO 527
8.6	N1-030487	29.962: General Revision	Ericsson (M. Garcia)	29.962		1.1.0	Rel-6			1	CR	Revised from 418	AGREED	
9	N1-030488	LS on IPv6 DNS server discovery in release 99 and release 4	Atle/Ericsson									LS OUT	Related to 426. To: SA2, Cc: CN, CN3	REVISED TO 548
6.1	N1-030489	Bearer Capability IE	Ericsson	24.008	TEI	3.15.0	R9	F	753	2	CR	Revised from 431 and 480.	REVISED TO 554	
6.1	N1-030490	Bearer Capability IE	Ericsson	24.008	TEI	4.10.0	Rel-4	A	754	2	CR	Revised from 432 and 481.	REVISED TO 555	
6.1	N1-030491	Bearer Capability IE	Ericsson	24.008	TEI	5.7.0	Rel-5	A	755	2	CR	Revised from 433 and 482.	REVISED TO 556	
6.1	N1-030492	Bearer Capability IE	Ericsson	24.008	TEI	6.0.0	Rel-6	A	756	2	CR	Revised from 434 and 483.	REVISED TO 557	
7.03	N1-030493	SAs lifetimes in P-CSCF	Lucent Technologies / Milo Orsic	24.229	IMS-CCR	5.4.0	Rel-5	F	304	4	CR	Revised from 354	AGREED	
7.03	N1-030494	Setting the SA lifetime at UE upon	Lucent Technolo	24.229	IMS-CCR	5.4.0	Rel-5	F	344	1	CR	Revised from 355	AGREED	

		registration	gies / Milo Orsic											
7.0 3	N1- 030495	SA lifetime upon UE initiated de-registration	Lucent Technologies / Milo Orsic	24.229	IMS-CCR	5.4.0	Rel-5	F	345	1	CR	Revised from 356	AGREED	
7.0 3	N1- 030496	SA lifetime upon network initiated de-registration	Lucent Technologies / Milo Orsic	24.229	IMS-CCR	5.4.0	Rel-5	F	346	1	CR	Revised from 357	AGREED	
7.0 3	N1- 030497	Security agreement inclusion in SIP profile	Lucent Technologies / Keith Drage	24.229	IMS-CCR	5.4.0	Rel-5	F	295	2	CR	Revised from 367	POSTPONED	
9	N1- 030498	LS on duration of ICID at IMS registration	Keith/Lucent								LS OUT	Related to 397. To: SA5, Cc: SA2	REVISED TO 560	
7.0 3	N1- 030499	Usage of P-Associated-URI	Nokia / Georg	24.229	IMS-CCR	5.4.0	Rel-5	F	357	1	CR	Revised from 407	AGREED	
7.0 3	N1- 030500	User initiated de-registration at P-CSCF	Nokia	24.229	IMS-CCR	5.4.0	Rel-5	F	358	1	CR	Revised from 409	REVISED TO 558	
7.0 3	N1- 030501	Network-initiated deregistration at UE and P-CSCF	Nokia	24.229	IMS-CCR	5.4.0	Rel-5	F	359	1	CR	Revised from 410	AGREED	
7.0 4	N1- 030502	General update (SDP) to clauses 7 and 8	Ericsson (M. Garcia)	24.228	IMS-CCR	5.4.0	Rel-5	F	104	1	CR	Revised from 415	AGREED	
7.0 4	N1- 030503	User initiated de-registration	Nokia	24.229	IMS-CCR	5.4.0	Rel-5	F	362	1	CR	Revised from 413	REVISED TO 559	
9	N1- 030504	LS on change of IP address due to privacy	Atle/Ericsson								LS OUT	Related to 427. To: SA2	REVISED TO 549	
7.0 3	N1- 030505	Alignment of security header procedures with RFC 3329	Lucent Technologies / Keith Drage	24.229	IMS-CCR	5.4.0	Rel-5	F	366	1	CR	Revised from 438. Before postponing it was revised to 561.	POSTPONED	
7.0 3	N1- 030506	User authentication failure cleanups	Ericsson / A Monrad	24.229	IMS-CCR	5.4.0	Rel-5	F	368	1	CR	Revised from 445	AGREED	
7.0 4	N1- 030507	UE behaviour on reception of 420 (Bad Extension) message	Orange	24.229	IMS-CCR	5.4.0	Rel-5	F	343	1	CR	Revised from 350	REVISED TO 552	
7.0 4	N1- 030508	Handling of DTMF	Siemens	24.229	IMS-CCR	5.4.0	Rel-5	F	347	1	CR	Revised from 385	REVISED TO 551	
9	N1- 030509	LS on Handling of DTMF	Peter/Siemens								LS OUT	Linked to 317 and 394. To: CN3, Cc: ,	AGREED	
7.0 4	N1- 030510	Format of Tel URL in P-Asserted-Id	Siemens	24.229	IMS-CCR	5.4.0	Rel-5	F	348	1	CR	Revised from 386	AGREED	
7.0 4	N1- 030511	Barred identities	Nokia	24.229	IMS-CCR	5.4.0	Rel-5	F	360	1	CR	Revised from 411	REVISED TO 550	

7.0 3	N1- 030512	Alignment of flows with RFC 3329 (sec-agree)	Lucent Technologies / Keith Drage	24.228	IMS-CCR	5.4.0	Rel-5	F	106	1	CR	Revised from 439	AGREED
7.0 4	N1- 030513	PDP context subject to SBLP cannot be reused by other IMS sessions	Ericsson / A Monrad	24.229	IMS-CCR	5.4.0	Rel-5	F	365	1	CR	Revised from 428	AGREED
7.0 6	N1- 030514	Addition of procedures at the AS for SDP	NEC/Yukio Kawanami	24.229	IMS-CCR	5.4.0	Rel-5	F	356	1	CR	Revised from 403	POSTPONED
7.0 8	N1- 030515	Correction on Handling of MO request	Orange	23.218	IMS-CCR	5.4.0	Rel-5	F	043	1	CR	Revised from 351	AGREED
7.0 8	N1- 030516	Corrections regarding SPTs and Filter Criteria handling on REGISTER request	Orange	23.218	IMS-CCR	5.4.0	Rel-5	F	044		CR	Revised from 352	AGREED
7.0 8	N1- 030517	Clarifications on SPT.	NEC/Yukio Kawanami	23.218	IMS-CCR	5.4.0	Rel-5	F	046	1	CR	Revised from 396	AGREED
7.0 8	N1- 030518	Clarifications on service key	NEC/Yukio Kawanami	23.218	IMS-CCR	5.4.0	Rel-5	F	047	1	CR	Revised from 423	POSTPONED
7.0 6	N1- 030519	3GPP P-header inclusion in SIP profile	Lucent Technologies / Keith Drage	24.229	IMS-CCR	5.4.0	Rel-5	F	322	3	CR	Revised from 380 and 469.	POSTPONED
7.0 6	N1- 030520	Clarifications on using DNS procedures	NEC/Yukio Kawanami	24.229	IMS-CCR	5.4.0	Rel-5	F	354	1	CR	Revised from 401	AGREED
7.0 3	N1- 030521	SUBSCRIBE request information stored at the P-CSCF and S-CSCF	Ericsson (M. Garcia)	24.229	IMS-CCR	5.4.0	Rel-5	F	370	1	CR	Revised from 470	Not treated
7.0 3	N1- 030522	SUBSCRIBE request information stored at the P-CSCF and S-CSCF	Ericsson (M. Garcia)	24.228	IMS-CCR	5.4.0	Rel-5	F	109	1	CR	Revised from 471	Not treated
8.1	N1- 030523	CR to 24.841: Addition of 3GPP P-headers to PUBLISH profile	Lucent Technologies / Keith Drage	24.841	PRES NC	0.5.0	Rel-6				CR	Revised from 382	POSTPONED
8.1	N1- 030524	This contribution resolves a number of minor issues with clause 7.	Lucent Technologies / Keith Drage	24.841	PRES NC	0.5.0	Rel-6				CR	Revised from 383	POSTPONED
8.1	N1-	CR: Flow updates	Nokia/	24.841	PRES	0.5.0	Rel				CR	Revised	AGREED

	030525	according to draft-ietf-simple-list-event-00	Krisztian Kiss		NC		-6						from 446	
8.1	N1-030526	CR: Dependency on draft-ietf-simple-list-event-00	Nokia/Krisztian Kiss	24.841	PRES NC	0.5.0	Rel-6					CR	Revised from 447	AGREED
8.6	N1-030527	Proposal for restructuring TR 29.962	Thomas/Siemens	29.962								CR	Revised from 486	REVISED TO 536
9	N1-030528	LS CN1 review of SIP interworking TR29.962	Peter/Siemens									LS OUT	Linked to 487 and 527. To: CN3, Cc:	AGREED
8.1	N1-030529	CR: Dependency on draft-olson-simple-publish-02	Nokia/Krisztian Kiss	24.841	PRES NC	0.5.0	Rel-6					CR	Revised from 449	AGREED
8.1	N1-030530	CR: Dependency on draft-ietf-simple-presence-10	Nokia/Krisztian Kiss	24.841	PRES NC	0.5.0	Rel-6					CR	Revised from 451	AGREED
8.1	N1-030531	CR: Dependency on draft-ietf-simple-winfo-package-05 and draft-ietf-simple-winfo-format-04	Nokia/Krisztian Kiss	24.841	PRES NC	0.5.0	Rel-6					CR	Revised from 452	AGREED
8.1	N1-030532	CR: Filtering of subscriptions	Nokia/Krisztian Kiss	24.841	PRES NC	0.5.0	Rel-6					CR	Revised from 453	AGREED
8.1	N1-030533	CR: Partial notifications	Nokia/Krisztian Kiss	24.841	PRES NC	0.5.0	Rel-6					CR	Revised from 454	AGREED
8.1	N1-030534	CR: Subscribing for presence on behalf of another user	Nokia/Krisztian Kiss	24.841	PRES NC	0.5.0	Rel-6					CR	Revised from 455	POSTPONED
8.6	N1-030535	Proposal for restructuring TR 29.962	Thomas/Siemens	29.962								CR	Revised from 486 and 527	AGREED
6.1	N1-030536	Revision level fallback	Nokia	24.008	TEI	3.15.0	R99	F	748	1		CR	Revised from 388	POSTPONED
6.1	N1-030537	QoS length fallback	Nokia	24.008	TEI	3.15.0	R99	F	749	1		CR	Revised from 389	POSTPONED
9	N1-030538	LS on regulatory and administration requirements for barring public user identity for IMS	Yukio/NEC										Linked to 395. To: SA1, SA5, Cc: SA2	REJECTED
8.3	N1-030539	TR for IMS Conferencing, Stage 3	Nokia / Georg Mayer		IMS-CCR-E		Rel-6					TR	Revised from 342	REVISED TO 564
8.3	N1-030540	CR on Conferencing TR: Initial Material	Nokia / Georg Mayer		IMS-CCR-E		Rel-6					CR	Revised from 343	REVISED TO 565
8.3	N1-030541	CR on Conferencing TR: Signalling Flows	Nokia / Georg Mayer		IMS-CCR-E		Rel-6					CR	Revised from 345	AGREED

												480 and 489.	
6.1	N1-030555	Bearer Capability IE	Ericsson	24.008	TEI	4.10.0	Rel-4	A	754	3	CR	Revised from 432, 481 and 490.	AGREED
6.1	N1-030556	Bearer Capability IE	Ericsson	24.008	TEI	5.7.0	Rel-5	A	755	3	CR	Revised from 433, 482 and 491.	AGREED
6.1	N1-030557	Bearer Capability IE	Ericsson	24.008	TEI	6.0.0	Rel-6	A	756	3	CR	Revised from 434, 483 and 492.	AGREED
7.03	N1-030558	User initiated de-registration at P-CSCF	Nokia	24.229	IMS-CCR	5.4.0	Rel-5	F	358	2	CR	Revised from 409 and 500	AGREED
7.04	N1-030559	User initiated de-registration	Nokia	24.229	IMS-CCR	5.4.0	Rel-5	F	362	2	CR	Revised from 413 and 503	AGREED
9	N1-030560	LS on duration of ICID at IMS registration	Keith/Lucent								LS OUT	Related to 397. To: SA5, Cc: SA2. Revised from 498	AGREED
7.03	N1-030561	Alignment of security header procedures with RFC 3329	Lucent Technologies / Keith Drage	24.229	IMS-CCR	5.4.0	Rel-5	F	366	2	CR	Revised from 438 and 505. Not available.	WITHDRAWN
8.5	N1-030562	An investigation into release 6 dependencies on IETF	Lucent Technologies / Keith Drage		IMS-CCR-E, PRES NC, EMC1-PS						DISC	Revised from 435 and 544	AGREED
4	N1-030563	Result of the WP review	CN1/chairman								REPORT	Revised from 315	AGREED
8.3	N1-030564	TR for IMS Conferencing, Stage 3	Nokia / Georg Mayer		IMS-CCR-E		Rel-6				TR	Revised from 342 and 539	AGREED
8.3	N1-030565	CR on Conferencing TR: Initial Material	Nokia / Georg Mayer		IMS-CCR-E		Rel-6				CR	Revised from 343 and 540	AGREED
9	N1-030566	LS on Protocols over the Mt interface	Georg/Nokia								LS OUT	Linked to 327. To: SA2, Cc: CN, SA1. Revised from 477.	AGREED
9	N1-030567	LS on DRX parameters update	Inma/Nokia								LS OUT	Linked to 341. To: SA2, Cc: GERAN1, GERAN2, RAN1, RAN2, RAN3, T2.	AGREED

Annex H List of CRs to N1 drafts

Status	Spec	TDoc #	Tdoc Title	C_Versi on	Type	WI	Rel
AGREED	24.841	N1-030381	CR to 24.841: Addition of network asserted identity headers to PUBLISH profile	0.5.0	CR	PRESNC	Rel-6
AGREED	24.841	N1-030384	CR to 24.841: Miscellaneous clause 7 revisions	0.5.0	CR	PRESNC	Rel-6
AGREED	24.841	N1-030419	24841: authorization of watchers		CR		Rel-6
AGREED	24.841	N1-030448	CR: Flow updates according to draft-olson-simple-publish-02	0.5.0	CR	PRESNC	Rel-6
AGREED	24.841	N1-030450	CR: Bibliography update	0.5.0	CR	PRESNC	Rel-6
AGREED	24.841	N1-030456	CR: Update on the presence information model	0.5.0	CR	PRESNC	Rel-6
AGREED	24.841	N1-030525	CR: Flow updates according to draft-ietf-simple-list-event-00	0.5.0	CR	PRESNC	Rel-6
AGREED	24.841	N1-030526	CR: Dependency on draft-ietf-simple-list-event-00	0.5.0	CR	PRESNC	Rel-6
AGREED	24.841	N1-030529	CR: Dependency on draft-olson-simple-publish-02	0.5.0	CR	PRESNC	Rel-6
AGREED	24.841	N1-030530	CR: Dependency on draft-ietf-simple-presence-10	0.5.0	CR	PRESNC	Rel-6
AGREED	24.841	N1-030531	CR: Dependency on draft-ietf-simple-winfo-package-05 and draft-ietf-simple-winfo-format-04	0.5.0	CR	PRESNC	Rel-6
AGREED	24.841	N1-030532	CR: Filtering of subscriptions	0.5.0	CR	PRESNC	Rel-6
AGREED	24.841	N1-030533	CR: Partial notifications	0.5.0	CR	PRESNC	Rel-6

Status	Spec	TDoc #	Tdoc Title	C_Ver	Type	WI	Rel
AGREED		N1-030541	CR on Conferencing TR: Signalling Flows structure		CR	IMS-CCR-E	Rel-6
AGREED		N1-030542	CR on Conferencing TR: Conference Creation Flow		CR	IMS-CCR-E	Rel-6
AGREED		N1-030565	CR on Conferencing TR: Initial Material		CR	IMS-CCR-E	Rel-6