

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

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Meeting Report
TSG CN WG1# 20
Brighton, England
15 - 19 October 2001

Chairman: Hannu Hietalahti (Nokia)

Secretary: Per Johan Jorgensen (ETSI/MCC)

Host: BT, Vodafone, Lucent Technologies, Hutchison 3G and Orange

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Documents can be found on the 3GPP-server:

http://www.3gpp.org/ftp/tsg_cn/WG1_mm-cc-sm/TSGN1_20/Docs/

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1 Opening of the meeting. Calls for IPRs

The host welcomed the delegates 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.**

The meeting starts with corrections to old releases as normal, but special for this meeting is an adhoc on editorial issues for 24.228. Resulting in parallell sessions, which seemed acceptable to the companies. Basically this adhoc will end up with a proposal on scripts to be used on the 24.228 draft for updating purpose, and with a formal input to the full CN1 meeting hopefully in the end of this CN1#20 meeting. Monday and Wednesday is planned for this work.

Additionally it was requested a breakout meeting for R99 handover issues, which has been discussed on the email exploder for a long time. This was proposed to take place during the joint session on Wednesday or on Tuesday.

Availability of meeting rooms needs to be taken into account.

2 Agenda and Reports

N1-011431 : CN1 chairman, Title: Agenda (Brifghton0110)

Discussion : This will continue as a living document in the doc Brighton0110.rtf.

Joint meeting with CN2/3/4/5 (CN1 meeting points 8.2 and 8.3) will take place Wednesday morning and after lunch 17/10.

The adhoc parallell sessions is additionally noted.

Conclusion : *Agreed*

N1-011432 : CN1 chairman, Title: DRAFT STATUS REPORT v1.1.0, 3GPP TSG-CN#13, Beijing, China, 19th – 21st September, 2001

Discussion : For information.

Conclusion : *Noted*

N1-011433 : MCC, Title: Meeting Report, TSG CN WG1# 19, Helsinki, Finland, 27 - 31 August 2001

Discussion : Updated with comments from the email exploder.

Conclusion : *Agreed*

3 Input Liaison Statements

N1-011067 : GP-011436, To: N1, Type: LS IN , Title: Response to LS on “Duplication avoidance protocol moved from 04.18 to 24.007”

Discussion : Forwarded from CN1#19. 1259 and 1260 for the GERAN proposed CRs were presented in CN1#19 as a result of this LS, but the CRs were rejected. So a response to the LS is needed from this meeting. Linked CRs 1453 and 1454 to be seen in this meeting. Hannu to tell GERAN that these new revised CRs in Tdoc N1-011453-454 was agreed in CN1.

Conclusion: *LS OUT in 1571 by Robert Z.*

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

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

Conclusion: *LS OUT in 1572 by Inma C.*

N1-011401 : S2-012460, To: N3, S4 Cc: N1 , Type: LS IN , Title: Liaison Statement on IMS to IP interworking functions

Discussion : Forwarded from CN1#19bis, and now forwarded to joint agenda item 8.3.

Conclusion: *Forwarded to 8.3 agenda item.*

N1-011435 : GP-011965R, To: N1, Type: LS IN , Title: LS on CR against 23.009 regarding the applicability of handover procedures in GERAN

Discussion : A CR#058 and Tdoc#1573 was allocated for the included change request against the correct version of the spec.

Conclusion: *Noted*

N1-011436 : NP-010534, To: GERAN Cc: N1, Type: LS IN , Title: LS on introduction of a new release marker in the MS Classmark 3 and MS Radio Access Capability IEs

Discussion : For information to CN1 at this stage,- regarding this LS from TSGN #13 to GERAN asking for confirmation on the intended meaning of the new release marker.This does leave the action point still open, until a response from GERAN is received.

Conclusion: *Noted*

N1-011437 : R2-012200, To: GERAN2 Cc: R3, R4, S2, N1, N4, Type: LS IN , Title: Response to LS (G2-010196) on Inter-BSC/RAN Network Assisted Cell Change

Discussion : No action identified for CN1.

Conclusion: *Noted*

N1-011438 : R3-012694, To: RAN, GERAN2, N1, S4 Cc: GERAN, Type: LS IN , Title: Response to LS: GERAN architecture and impacts on the Iu-cs interface

Discussion : No action identified for CN1.

Conclusion: *Noted*

N1-011439 : S2-012351, To: R3 Cc: N4, R2, S1, N1, Type: LS IN , Title: Proposed LS "Stop reporting type"

Discussion : No action identified for CN1.

Conclusion: *Noted*

N1-011440 : S2-012423, To: S3, N1, N4 Cc: S1, Type: LS IN , Title: LS on Security aspects of the 3GPP push service

Discussion : CN1 should study the attachment and consider the issue for our next CN1#21,- which however seems to be too late. Any issues must therefore be raised directly in the SA2 meeting. For this meeting there is no linked contributions.

Conclusion: *Noted*

N1-011441 : S2-012454, To: R3, R2, GERAN2, N1, N4, Type: LS IN , Title: LS "Update of Iu-Flex status"

Discussion : CN1 needs to address a few issues in 24.007 and 24.008 so it is possible to have these CRs dealt with in this meeting. It was questioned if the WI includes CN1 work. This was however OK and approved in last December plenary (NP-000737 for Rel-4).

Conclusion: *Noted*

N1-011442 : S2-012459, To: GERAN, R3, R2, N4 Cc: N1, Type: LS IN , Title: Liaison Statement response on "Inter-BSC/RAN Network Assisted Cell Change"

Discussion : No action identified for CN1 for now.

Conclusion: Noted

N1-011443 : S5-010555, To: All WGs of 3GPP TSGs CN and SA, Type: LS IN , Title: LS on "Access Point Name" usage

Discussion : Reviewing 32.215 was not possible in the meeting and no comments were made. Any documents impacted by the reference to 23.003 ? This and possible discrepancies to 32.215 are to be checked by the N1 rapporteurs, and possible contributions shall be raised in CN1#21 in Cancun where SA5 is also present.

Conclusion: Noted

N1-011444 : T2-010844, To: T1 Cc: GERAN4, GERAN5, N1, T, Type: LS IN , Title: Liaison Statement on SMS testing

Discussion : No comments were made.

Conclusion: Noted

N1-011575 : NP-010415, Source:SA1 To:SA4, SA2, T2, CN, Type: LS IN , Title: LS on Distributed Speech Recognition (DSR)

Discussion : Forwarded from CN#13 to CN1 according to NP-010408. SA1 asks the other SA WGs and TSG-CN to study the attached description of Distributed Speech Recognition, DSR, to see what kind of impact it will have on the specifications. The impact on IMS specifications should be minimised.

It was expressed that time to work on this within CN1 was until earliest March next year, so no additions to already existing Rel-5 work seemed realistic. Some expressed that only a codec type is needed., and thus at least SDP is affected.

Conclusion: Noted

N1-011576 : NP-010418, To: S1 Cc:S2, T2, CN , Type: LS IN , Title: LS IN Answer to LS on Distributed Speech Recognition (DSR)

Discussion : Forwarded from CN#13 to CN1 according to NP-010408. S4 is giving a short analysis as answer to the DSR LS in N1-011575.

Conclusion: Noted

N1-011612 : N4-011217, To: N1, Type: LS IN , Title: LS On the handling of the Protocol Configuration Options IE

Discussion : No good criteria seems to be described in 24.008 for returning PCO IE, except for in the reject case. This is related to 1460 CR and 1519 discussion paper.

Conclusion: LS OUT in 1625 by Atle M.

4 Work Plan for TSGN WG1

CN1#22 in January2002 is proposed delayed with 2 weeks due to room allocations in ETSI and no other host is available. 2 additional IMS adhoc was proposed during January and February. It may however be needed to broaden 1 extra meeting to deal with the whole CN1 scope. Leaving one adhoc probably to start on 11th of February.

The result is an CN1 adhoc meeting from 14-18 January (ATTWS in USA) where the outcome is presented enbloc to CN#22 for endorsement. For CN1 adhoc a chairman needs to be pointed out. Then the CN1#22 will be delayed until 28 January to 1 February in Sophia Antipolis. And the CN1#22bis (host needed) is planned for 19-21 February where the scope is to be defined in CN1#22.

N1-011434 : MCC, Title: Latest workplan

Discussion :

Conclusion : Noted

N1-011617 : CN1 chairman, Title: CN1 Terms Of Reference

Discussion :

Conclusion : Withdrawn

5 Maintenance of R98 and older releases

N1-011449 : 09.18v 660 CR#A046, Siemens, Type: CR , Title: Clarification of the periodic routing area update procedure

Discussion : The current description of the periodic routing area update is incomplete, as neither the description of the states at the SGSN (subclause 4.2.2) nor the procedural description (subclause 6.1) specify what happens with the state of the association in the SGSN.

It was questioned whether this could be misunderstood, and if it is a real life problem requiring this to be an essential correction. It was detected during testing, so the proposed outcome was accepted.

Conclusion : Agreed

N1-011450 : 09.18v 740 CR#A047, Siemens, Type: CR , Title: Clarification of the periodic routing area update procedure

Discussion :

Conclusion : Agreed

N1-011451 : 29.018v 370 CR#019, Siemens, Type: CR , Title: Clarification of the periodic routing area update procedure

Discussion :

Conclusion : Agreed

N1-011452 : 29.018v 400 CR#020, Siemens, Type: CR , Title: Clarification of the periodic routing area update procedure

Discussion :

Conclusion : Agreed

N1-011463 : 09.18v 660 CR#A048, Motorola, Type: CR , Title: Correction of the Reject cause when T6-1 expires

Discussion : The CR provides an essential correction: It specifies that, the Reject cause used when T6-1 expires will be the one specified in 04.08.

Was already corrected for later releases in earlier agreed CRs (N1-000911 for R99), as commented earlier on the email exploder. 'Appropriate' reject cause should result in one specific. Same wording as in the later releases should be used in the R97 and R98 CRs for this meeting.

Conclusion : Revised to 1574

N1-011574 : 09.18v 660 CR#A048r1, Motorola, Type: CR , Title: Correction of the Reject cause when T6-1 expires

Discussion :

Conclusion : Agreed

N1-011605 : 09.18v 740 CR#A049, Motorola, Type: CR , Title: Correction of the Reject cause when T6-1 expires

Discussion :

Conclusion : Agreed

N1-011464 : 04.08v 6f0 CR# A1117, Motorola, Type: CR , Title: Handling of new/old TLLI in the network

Discussion : The old P-TMSI is now deleted at the first uplink traffic. What happens now in error situations ? Agreed that exceptional cases such as no uplink traffic from the MS at all after ATTACH should be studied to ensure that the old TLLI and old P-TMSI do not need to be kept by the SGSN excessively long time. After more studies it is expected contributions on this for the next meeting, and then GERAN should also be informed.

Conclusion : Agreed

N1-011604 : 04.08v 7d0 CR# A1119, Motorola, Type: CR , Title: Handling of new/old TLLI in the network

Discussion : Linked to 1464, 1613,1614 and 1615.

Conclusion : Agreed

N1-011613 : 24.008v 390 CR# 505, Motorola, Type: CR , Title: Handling of new/old TLLI in the network

Discussion : Linked to 1464, 1604,1614 and 1615.

Conclusion : Agreed

N1-011614 : 24.008v 440 CR# 506, Motorola, Type: CR , Title: Handling of new/old TLLI in the network

Discussion : Linked to 1464, 1613,1604 and 1615.

Conclusion : Agreed

N1-011615 : 24.008v 510 CR# 507, Motorola, Type: CR , Title: Handling of new/old TLLI in the network

Discussion : Linked to 1464, 1613,1614 and 1604.

Conclusion : Agreed

N1-011465 : Motorola, Type: DISCUSSION , Title: Handling of Foreign-TLLI

Discussion : When a mobile has a valid P-TMSI stored, the TLLI used at the LLC layer is derived from that P-TMSI. However, the TLLI that corresponds to a single P-TMSI can be either a local TLLI (L-TLLI), or a foreign TLLI (F-TLLI). TS 04.08, section 4.7.1.4 (Radio resource sublayer address handling), specifies when a mobile shall use F-TLLI and when it shall use L-TLLI as an LLC address. It is suggested, first, to clarify whether scenarios leading to prolonged use of F-TLLI may be permitted in GPRS networks or not. If such scenarios are permitted, most likely clarifications to 04.08 would be needed. However, if such scenarios are not permitted, BSS issues arise that should be addressed by GERAN2.

Should SGSN be able to receive both L-TLLI and F-TLLI as a possible interpretation, leaving the issue a network problem derived from introduction of delayed DL TBF release? If new P-TMSI and P-TMSI signature is allocated then the MS should start using a new L-TLLI derived from this but if the TBF that was used for ATTACH ACCEPT is kept then the MS can not do that. However old P-TMSI is stated to be removed as soon as the L-TLLI in a LLC-PDU is received by the SGSN. 4.7.6.3 then needs to be modified to also keep old P-TMSI valid when F-TLLI is received. A requirement needs to be normative for SGSN and not a note. The MS actions is not seen irrelevant either. GERAN needs to be involved as well. Is this a problem with F-TLLI or allocation of new TLLI ? In error cases the SGSN should not be forced to remember both old and new PTMSI, due to complications in eg the paging procedure.

Conclusion : Noted

N1-011531 : Nokia, Type: DISCUSSION , Title: Usage of new TLLI at MS during delayed TBF release procedure

Discussion : Compatibility issue has been detected in GPRS integration testing between different vendors. It is related with the usage of the TLLI after the allocation of new P-TMSI during GPRS attach procedure. The problem may occur when the network does not tear down the TBF used for the attach procedure after the completion of the attach procedure. This may be done as an optimisation to avoid setting up a new TBF connection in case there is some more traffic to follow. Typically the network also assigns a new P-TMSI for the MS during the attach procedure. If the MS

initiates PDP context activation during delayed TBF release then the MS has got no means of taking in use the new TLLI which was derived from the new P-TMSI until the TBF is released after the PDP context activation.

This handles the MS side and is linked and discussed with 1465.

Conclusion : Noted

6 Maintenance of Release 99

N1-011445 : Nokia, Type: DISCUSSION , Title: Mobile terminated call with single numbering scheme

Discussion : The purpose of this document is to illuminate a problem-causing non-compliance between CN1's and CN3's specifications concerning a mobile terminated call in a mobile network with the single numbering scheme, and further to propose a measure to eliminate the non-compliance and enhance the success rate of mobile terminated multimedia calls. When the call has been initiated from the outside of GSM / UMTS system the MSC serving the B-party may not have all the BC parameters available and it is therefore unable to give precise guidance on what service is being requested. Therefore some calls may fail in single numbering scheme because the assumption which the MS made when responding to the MT SETUP was wrong.

Discussions around CN3 WID and fallback issues. Do this GSM problem require a more general solution than the proposed limited BC parameter transmission in unused fields (eg by including incoming faxcall) ? What about User an RAB data rate to achieve matching of bearer capabilities ?

The delegates are invited to continue the discussion on *both* CN1 and CN3 mailing lists to keep both groups up to date on the issue. Please indicate "single numbering scheme" in the email title so that it is easy to follow this discussion thread.

Conclusion : Noted

N1-011446 : 24.008v390 CR#476, Nokia, Type: CR , Title: Mobile terminated call with single numbering scheme

Discussion : What shall the MS do with or without BC IE and/or the new proposed codings in NCCC IE. The new ITC (Information Transfer Capability) needs distinction from the similar acronym in BC IE. CN3 discussion during this week should be taken into account.

Conclusion : Revised to 1577

N1-011577 : 24.008v390 CR#476r1, Nokia, Type: CR , Title: Mobile terminated call with single numbering scheme

Discussion : N3 needs more time to work on this and this CR should be resubmitted in CN1#21. The discussion should take place on this issue on both N3 and N1 mailing lists.

Conclusion : Withdrawn

N1-011453 : 24.007v370 CR#042, Siemens, Type: CR , Title: Clarification of the send sequence number mechanism

Discussion : A R99 network must be able to handle the case when N(SD) is operated modulo 2. This will happen when there is an access from a R98 mobile station (or older). The way it is specified now, it reads that N(SD) shall be operated modulo 4 also in this case (without exception), which is not correct for an R98 mobile station (or older). Additionally, the text that was included in 24.007 was based on version 8.7.0 of 04.18. A clarification of that text was introduced by GERAN when 04.18 was updated from version 8.8.0 to 8.9.0. The same clarification therefore needs to be included in 24.007. This version talks about different ME versions instead of network versions.

AP on Hannu to take these CRs in 1453 (replacing the rejected CR in CN1#19, tdoc 1327) and 1454 and have the issue clarified on the respective GERAN reflector. Meaning the LS OUT in 1571 is not needed.

Conclusion : Agreed

N1-011454 : 24.007v400 CR#043, Siemens, Type: CR , Title: Clarification of the send sequence number mechanism

Discussion :

Conclusion : Agreed

N1-011455 : 24.008v390 CR#477, Siemens, Type: CR , Title: Correction of the criteria for the usage of combined RAU

Discussion : According to subclause 4.7.5.2.1, after termination of a non-GPRS service via non-GPRS channels an MS in state GMM-REGISTERED shall perform a combined routing area update “to update the association if the MS has changed the Location Area during that non-GPRS service transaction.” The correct condition is that a combined RAU has to be performed if the MS has changed the Routing Area (see TS 23.060, subclause 6.3.1). Furthermore, it is specified that a combined routing area update is used to update the network with the new MS Radio Access Capability, and for signalling connection re-establishment in certain UMTS scenarios. It needs to be clarified that in both cases the combined procedure shall only be used if the MS is in state MM-IDLE.

Postponed to check on the right update type to be used for the SGSN to inform MSC/VLR.

Conclusion : Revised to 1607

N1-011607 : 24.008v390 CR#477r1, Siemens, Type: CR , Title: Correction of the criteria for the usage of combined RAU

Discussion : Eg bullet point 4 was withdrawn to avoid more confusion to combined procedures.

Conclusion : Agreed

N1-011456 : 24.008v440 CR#478, Siemens, Type: CR , Title: Correction of the criteria for the usage of combined RAU

Discussion :

Conclusion : Revised to 1608

N1-011608 : 24.008v440 CR#478r1, Siemens, Type: CR , Title: Correction of the criteria for the usage of combined RAU

Discussion :

Conclusion : Agreed

N1-011457 : 24.008v510 CR#479, Siemens, Type: CR , Title: Correction of the criteria for the usage of combined RAU

Discussion :

Conclusion : Revised to 1609

N1-011609 : 24.008v510 CR#479r1, Siemens, Type: CR , Title: Correction of the criteria for the usage of combined RAU

Discussion :

Conclusion : Agreed

N1-011466 : 24.008v390 CR#485, Ericsson, Type: CR , Title: Mapping of NAS procedures to RRC Establishment Causes

Discussion : Completing the mapping of the NAS procedures to RRC establishment causes in tables L.1.1 and L1.2.

Convert asterix into a note which is normative, probably inside the table. Any impacts to the alternative QoS values being proposed? No, just pick the highest acceptable. What if QoS is not available ?

Conclusion : Revised to 1578

N1-011578 : 24.008v390 CR#485r1, Ericsson, Type: CR , Title: Mapping of NAS procedures to RRC Establishment Causes

Discussion :

Conclusion : Agreed

N1-011467 : 24.008v440 CR#486, Ericsson, Type: CR , Title: Mapping of NAS procedures to RRC Establishment Causes

Discussion :

Conclusion : Revised to 1579

N1-011579 : 24.008v440 CR#486r1, Ericsson, Type: CR , Title: Mapping of NAS procedures to RRC Establishment Causes

Discussion :

Conclusion : Agreed

N1-011468 : 24.008v510 CR#487, Ericsson, Type: CR , Title: Mapping of NAS procedures to RRC Establishment Causes

Discussion :

Conclusion : Revised to 1580

N1-011580 : 24.008v510 CR#487r1, Ericsson, Type: CR , Title: Mapping of NAS procedures to RRC Establishment Causes

Discussion :

Conclusion : Agreed

N1-01483 : Nortel, Type: DISCUSSION , Title: InterSystem IntraMSC-B Handover

Discussion : For Handover breakout meeting on Tuesday.

Conclusion : Noted

N1-011484 : 23.009v380 CR#042, Nortel, Type: CR, Title: Subsequent InterSystem Handovers

Discussion : For Handover breakout meeting on Tuesday.

Conclusion : Rejected

N1-011485 : 23.009v420 CR#043, Nortel, Type: CR, Title: Subsequent InterSystem Handovers

Discussion : For Handover breakout meeting on Tuesday.

Conclusion : Rejected

N1-011488 : 24.008v390 CR#490, Ericsson, Type: CR, Title: Correction of mistake in range of values of Transfer Delay

Discussion : Correction of a contradiction between the text and the binary values in QoS delay class. N1-011488-490 and N1-011535-537 are the same thing except that the latter also add one missing TAB in the same table.

Conclusion : Withdrawn

N1-011489 : 24.008v440 CR#491, Ericsson, Type: CR, Title: Correction of mistake in range of values of Transfer Delay

Discussion :

Conclusion : Withdrawn

N1-011490 : 24.008v510 CR#492, Ericsson, Type: CR, Title: Correction of mistake in range of values of Transfer Delay

Discussion :

Conclusion : Withdrawn

N1-011527 : 24.008v390 CR#496, NTT Software, Type: CR, Title: P-TMSI Signature handling

Discussion : Old P-TMSI Signature shall be deleted when attach or routing area update procedure are successfully completed and detach procedure is completed. Additionally, old P-TMSI Signature shall be deleted when a P-TMSI signature is present in the P-TMSI REALLOCATION COMMAND message, and shall be kept when no P-TMSI signature is present in the P-TMSI REALLOCATION COMMAND message.

The reason to keep the signature in reallocation was questioned. But it is stated in 4.7.6.2.

Conclusion : Agreed

N1-011528 : 24.008v440 CR#497, NTT Software, Type: CR, Title: P-TMSI Signature handling

Discussion :

Conclusion : Agreed

N1-011529 : 24.008v510 CR#498, NTT Software, Type: CR, Title: P-TMSI Signature handling

Discussion :

Conclusion : Agreed

N1-011535 : 24.008v390 CR#499, Nokia, Type: CR, Title: Correction on maximum transfer delay value in QoS IE

Discussion :

Conclusion : Agreed

N1-011536 : 24.008v440 CR#500, Nokia, Type: CR, Title: Correction on maximum transfer delay value in QoS IE

Discussion :

Conclusion : Agreed

N1-011537 : 24.008v510 CR#501, Nokia, Type: CR, Title: Correction on maximum transfer delay value in QoS IE

Discussion :

Conclusion : Agreed

N1-011556 : 23.009v380 CR#054, Nokia, Type: CR, Title: Multicall bearer selection

Discussion : This is linked to N1-011581. In a new attempt to get a consistent set of specifications, it is proposed to relax the requirements in TS 22.129 so that they apply only to InterSystem handover; in case of IntraUMTS relocations the criteria are operator dependant; and to specify in TS 23.009 that during RAB assignment and relocation request a 3G_MSC-A supporting multicall may assign priorities. The management of priority levels is Implementation dependent, under operator control.

The new paragraph should be split in bullet points if multicall is supported ? Creates problem with the next paragraph. UMTS to UMTS call is not specified since it is operator specific, while UMTS to GSM is included and clarifications were sought for different behavior.

Proposed to be conditionally agreed if SA1 agrees to the linked tdoc 1581 or a later version of it, which needs to be attached to the LS OUT in 1594 by Inma C. to SA1. Also the originators are requested to provide N1-011556, 1557 and 1581 to the CN4 Cancun meeting for CN4 review.

Conclusion : Agreed conditionally to SA1 agreement on 22.129 in 1581 or later version

N1-011557 : 23.009v420 CR#055, Nokia, Type: CR, Title: Multicall bearer selection

Discussion : Proposed to be conditionally agreed if SA1 agrees to the linked tdoc 1581 or a later version of it, which needs to be attached to the LS OUT in 1594 by Inma C to SA1. The originators are requested to provide N1-011556, 1557 and 1581 to the CN4 Cancun meeting for CN4 review.

Conclusion : Agreed conditionally to SAI agreement on 22.129 in 1581 or later version

N1-011559 : Ericsson, Type: DISCUSSION, Title: Protocol on the E interface

Discussion : Postponed to Handover breakout meeting on Tuesday.

Conclusion : Noted

N1-011560 : 23.009v380 CR#056, Ericsson, Type: CR, Title: Usage of Location Reporting for Relocation and Inter-system Handover

Discussion :

Conclusion : Withdrawn

N1-011561 : 23.009v420 CR#057, Ericsson, Type: CR, Title: Usage of Location Reporting for Relocation and Inter-system Handover

Discussion :

Conclusion : Withdrawn

N1-011581 : 22.129v350 CR#?, Nokia, Type: CR, Title: Bearer selection criteria of calls in a multical

Discussion : For N1 information. Linked to N1-011556 and needs to be reviewed by CN4 in Cancun.

Conclusion : Noted

N1-011590 : Ericsson, Lucent, Nokia, Nortel, Siemens, Type: REPORT, Title: Report of the Handover breakout meeting

Discussion : Awaiting CRs to the next CN1#21 meeting.

Conclusion : Noted

7 Maintenance of Release 4

N1-011458 : 24.008v440 CR#480, Siemens, Type: CR, Title: Correction of default codec selection criterion

Discussion : According to the current wording of subclause 5.2.1.11, if a ME sets up a call in GSM, the Rel-4 network will assume GSM/UMTS dual system support and default UMTS AMR speech version, regardless whether the ME supports UMTS or not. The indicated codec is not sufficient criteria for the MSC to decide on the default codec for the MS but the ME revision level must be looked at too. A note is added which clarifies that in case of a call setup in GSM by a R99 ME, the GSM/UMTS dual system support and the default UMTS AMR speech version are determined by the core network only when the radio network initiates intersystem handover to UMTS.

Conclusion : Agreed

N1-011459 : 24.008v510 CR#481, Siemens, Type: CR, Title: Correction of default codec selection criterion

Discussion :

Conclusion : Agreed

N1-011520 : 24.008v440 CR#494, Ericsson, Type: CR, Title: RRC Establishment Causes for LCS Procedures

Discussion :

Conclusion : Not treated due to lack of time.

N1-011521 : 24.008v510 CR#495, Ericsson, Type: CR, Title: RRC Establishment Causes for LCS Procedures

Discussion :**Conclusion : Not treated due to lack of time.**

N1-011530 : 23.009v420 CR#053, Siemens, Type: CR , Title: E-Interface Protocol after Inter MSC Handover

Discussion : Postponed to Handover breakout meeting on Tuesday.

Conclusion : Rejected

N1-011569 : Lucent T., Type: DISCUSSION , Title: InterSystem IntraMSC-B Handover

Discussion :

Conclusion : Noted

8 Release 5

8.1 Rel-5 corrections

N1-011469 : 24.008v510 CR#488, Ericsson, Type: CR , Title: Correction of missing actions on RAND and T3218, T3316

Discussion : T3218 and T3316 were introduced as guard timers when RAND and RES are to be stored at completion of an authentication challenge. However the full extent of starting and stopping T3218 and T3316 as well as all the occasions whereupon the stored RAND (and RES) has to be deleted have not been fully covered.

A slight modification to an earlier CR in CN1#19, to patch up the mechanism where the RAND and RES parameters are stored in the ME memory in case the same authentication challenge is retransmitted.

Conclusion : Agreed

8.2 IMS 23.218 issues for joint CN WG session

N1-011373 : 23.218, Lucent T., Type: CR , Title: CR to 23.218: Service Triggering at Registration

Discussion : Forward to N1#20 joint for N2 review. Agreed earlier in CN1#19bis. This CR affects chapter 11 which is handled also in 1526. A contradiction between these 2 tdocs was identified. Can any CAMEL information be of interest for S-CSCF? Revision is needed of Fig. 11.1 in clause 11.1.1 to highlight that the service may be triggered via ISC also during registration.

The interfaces and the text will be merged with 1526 into the common revised tdoc 1597.

Conclusion : Merged into 1597/ Replaced by 1597

N1-011480 : 23.218, Lucent T., Type: CR , Title: CR to 23.218 Addition of CAMEL Procedures to section 11

Discussion : At the TSG CN2 ad hoc held between the 11th –13th September 2001, a decision was taken to provide CAMEL specific functional behaviour in the IM-SSF in terms of SDL diagrams. This CR proposes that the SDL be included in a specification under the control of CN2. A companion contribution to CN2 (N2-010730) proposes the creation of a new Technical Specification, currently referred to as 23.078 Part II which will host the SDL diagrams that describe the CAMEL specific functional behaviour in the IM-SSF. No SDL based description for call related functional behaviour of the IM-SSF is intended for any of the related technical specifications.

The principal of moving sections to 23.078 Part II was seen beneficial and reduces interaction between WGs. The intention to move call flows from 24.228 is to have only the two flows indicated in 23.218, and not the whole lot. The

deletion of editors note in beginning of clause 11, or a revision, is needed. But the architecture overview in 11.6.1 shall stay. Should section 11 of 23.218 be moved to CN1s responsibility since it is now an overview with stable general content which can be modified through endorsed CRs from CN2 ? Yes. But in 11.5 there is more detailed stuff, so could this part be moved to CN2 as well ? Yes, this split was agreed and CN2 decides were to place this.

Additionally many comments were made to clarify and clean up section 11, eg introduce a Note to show there is no interaction to the UE, and paragraphs should be streamlined during the move.

Conclusion : Revised to 1596, and to be reviewed in N1 part of this meeting

N1-011596 : 23.218, Lucent T., Type: CR , Title: CR to 23.218 Addition of CAMEL Procedures to section 11

Discussion :

Conclusion : Agreed

N1-011505 : 23.218, Ericsson, Type: CR , Title: Evolution of TS 23.218

Discussion : This contribution proposes that TS 23.218 does not repeat what is already included in other specifications, and concentrates on the filter criteria. After performing the stage 2 of the filter criteria, CN4 should be informed in order for the stage 3 work for the filter criteria to be completed.

Copying some architecture diagrams was done due to ease of overview, but the principal of not duplicating any parts was recognized due to synchronization problems between WGs. The duplicated diagrams with 23.228 are intended deleted when raising the TS to formal approval. The draft 23.218 is written as a start for CN1 activities, but CRs should be submitted to remove duplications.

24.228 is now almost unmanageable due to the size, and ISC flows will worsen that aspect. 24.228 is for call control and not for service control, so some wanted the ISC call flows in 23.218 only. But since stage 3 work in 24.229 might need some more details it was advocated that some ISC call flows could be introduced in 24.228 also. It was agreed that no systematical update of all call flows in 24.228 will be done to indicate ISC interaction, but having some examples should be considered.

TS 23.218 details the stage 2 aspects of the filter criteria and MRF functionality was agreed. And the mapping from ISC to CAP/OSA within CN2/CN5 documentations was dealt with earlier this morning and agreed. Chapter 12 in 23.218 with OSA should be modified with CRs according to the way CN2 parts have been agreed upon,- meaning just the interfaces should be left in 23.218 for CN1 to maintain. With this 23.218 section 12 is under N1 responsibility and informing N5 of any changes thereafter.

11.3 and 11.4 should be moved by new CRs to CN2 as well, and for the signalling diagram in 23.218 it should be included in the CN2 documentation also. The scope of 23.218 is not limited to the list provided in this CR.

Conclusion : Noted

N1-011522 : 23.218, Motorola, Type: TS , Title: TS 23.218v070 "IP multimedia Session Handling; IP multimedia Call Model"

Discussion : The scope is maintained, but the structure is changed since the Draft 23.218 was presented in the Dresden CN WGs joint meeting. Now presented for information.

Conclusion : Noted

N1-011526 : 23.218, Motorola, Type: CR , Title: Editorial and Minor changes against TS 23.218

Discussion : At CN1#18 in Dresden Motorola contributed N1-010983, which discussed the reorganization of TS 23.218 based on the agreed Architecture for Service Control and also advocated allocating responsibility for sections 6 to CN2 and section 8 to CN5 and was agreed in principle. At the following CN1#19 meeting held in Helsinki a follow up contribution N1-011277 was agreed implementing these changes. This contribution adds additional structure to the document particularly in those new sections added as a result of discussions at CN1#19 and also cleans up some editorials in the document.

11.2.3 was not seen as editorial change, and the interface to IM-SSF is still discussed in SA2 so this Sh interface is still not existing. The related diagram needs also to be changed accordingly. Change an editors note in 7.2.1 with reference to the 29.228 (in CN4 area). Clarification to be added to 8.2.1 on which MRF is meant . 7.2.3,- interface between HSSs to be deleted since CN4 does not work on it. But it is kept since it is copied from SA2 documentation. MRF figure

interfaces is correct and the text should be changed accordingly. 6.8.2 diagram needs to be tidied up due to 'view' problems. 2 diagrams intended to be the same,- needs to be done or only one kept.

Conclusion : Revised to 1597

N1-011597 : 23.218, Motorola, Type: CR , Title: Editorial and Minor changes against TS 23.218

Discussion :

Conclusion : Agreed

N1-011534 : 23.218, Nokia, Type: CR , Title: Filtering Criteria and Service Points of Interest

Discussion : The definitions of Filtering Criteria (FC) and Service Points of Interests (SPIs) in the current version of 23.218 are too loose. This document proposes some changes to chapters 5.2 and 6.8.1.3 in order to make the specification unambiguous in places where functionalities of FC and SPI are defined.

The list is not complete should be inserted as an editors note. Is RE-INVITE considered a request which can trigger the service ? Also INFO method should be able to trigger the Application Server. This contribution was ment for discussion, and comments are meant as input for a CR to the next CN1 meeting.

Conclusion : Noted

N1-011566 : 23.218, Lucent T., Type: CR , Title: CR to 23.218 Correction to use of term Application Server in OSA context

Discussion : The term Application Server in the context of Open Service Access (OSA) is being used in a different manner than is defined in the OSA architecture in TS 23.127. OSA client applications are executed on an OSA Application Server which interfaces to an OSA Service Capability Server (OSA SCS) via the OSA Application Programming Interface (OSA API). However TS 23.218 refers to the OSA SCS as an Application Server.

The related SA2 CR was not agreed, so that modified part in 9.3.1 need to be reversed accordingly. Service Key needs to be restored,- and is a CAMEL related term. The CR for this will be provided in a later meeting.

Conclusion : Revised to 1599 which is to be reviewed by CN1.

N1-011599 : 23.218, Lucent T., Type: CR , Title: CR to 23.218 Correction to use of term Application Server in OSA context

Discussion :

Conclusion : Agreed

N1-011567 : 23.218, Lucent T., Type: DISCUSSION , Title: Dividing of work and responsibilities between CN1 and CN5 regarding MPCCS mappings to SIP

Discussion : This contribution falls into the decisions already made on work division and documentation strategy. So contributions are needed to introduce the proposal done here go into 23.218.

Conclusion : Noted

N1-011568 : 23.218, Lucent T., Type: CR , Title: CR to 23.218 Additions to the OSA Specific sections on Session Handling with an OSA Service Capability Server

Discussion : Upon review of version 0.7.0 of TS 23.218 it was identified that the sections on IP Multimedia session handling with an OSA SCS are present only in a skeleton form. This paper proposes an initial content for these sections on OSA session handling. The proposed additions are far from complete, but are mainly intended to substantiate the placeholders for OSA sections and kick-start the work.

In 12.1 the proprietary interface is not allowed by SA2 anymore. 12.5 will be taken out to align with the newly agreed structure for 23.218.

Conclusion : Revised to 1600 which is to be reviewed by CN1.

N1-011600 : 23.218, Lucent T., Type: CR , Title: CR to 23.218 Additions to the OSA Specific sections on Session Handling with an OSA Service Capability Server

Discussion :

Conclusion : Agreed

8.3 IMS 24.228 issues for joint CN WG session

N1-011401 : S2-012460, To: N3, S4 Cc: N1 , Type: LS IN , Title: Liaison Statement on IMS to IP interworking functions

Discussion : Forwarded from CN1#19bis, and now forwarded from agenda item 3. CN3 should note that SA2 still has to assess what (if any) interworking cases are required to be supported between 3GPP IMS UE and non 3GPP IP network based end points. The actions are already carried out in N3.

Conclusion: Noted

N1-011481 : 24.228, Lucent T., Type: CR , Title: CR to 24.228: Cx interface interaction in registration

Discussion : In the current version of 24.228, the IMS registration flows show the Cx messages cross the Cx interface. 29.228 “IP Multimedia Subsystem Cx Interface Signalling Flows and message contents” is the specification to define the Cx interface. In order to avoid updating 24.228 because of any changes happening in 29.228, it is suggested to keep Cx interaction in 24.228 as generic as possible. This contribution attempts to show the Cx interaction in 24.228 registration flows in a generic way, and also to identify the information which is needed to be sent to HSS and its corresponding SIP messages.

Documentation aspects was heavily discussed.

Conclusion : Revised to 1603

N1-011603 : 24.228, Lucent T., Type: CR , Title: CR to 24.228: Cx interface interaction in registration

Discussion : How to achieve consistency for interacting protocols ? Terminology discussion on visited domain name.

Conclusion : Agreed

N1-011482 : 24.228, Lucent T., Type: CR , Title: CR to 24.228: Cx interface interaction in session initiation

Discussion : Editorials to be corrected. Also the other direction needs to be shown. Will renumbering take place in all flows? Yes, but only one flow with table having reference from the others?

Conclusion : Revised to 1606

N1-011606 : 24.228, Lucent T., Type: CR , Title: CR to 24.228: Cx interface interaction in session initiation

Discussion : The rapporteur will handle the editorial mistake in 7.3.2-6b.

Conclusion : Agreed

N1-011504 : 24.228, Ericsson, Type: CR , Title: QoS flows: GPRS only, diffserv in core network, no SBLP

Discussion : Related to 1532. This contribution is a follow-up of N1-011358 presented in CN1 #19bis in Sofia Antipolis. The changes with respect to N1-011358 are:

- Only the relevant SIP and GPRS messages are detailed in the explanatory text.
- Clarified that the mapping between SDP and GPRS parameters is not going to be standardized.

Here only the messages triggering the GPRS procedures are shown, and not the parameters. What about mapping between SDP parameters to QoS ? Proposed to be done in N3, but is not good from UE viewpoint. Could Go interactions be shown here as well ? This is another proposal to be discussed in 1532. The mapping of codec parameters to be standardized or not was discussed.

Conclusion : Replaced by 1602

N1-011508 : 24.229, Nokia, Type: CR , Title: Interworking between 3GPP and IETF SIP terminals

Discussion : In this contribution the possible interworking scenarios between a UE having IMS subscription and other UEs are shown and explained. The scenarios assume that the interworking is done by the terminals themselves, without the network's involvement. The scenarios take into consideration the requirements which need to be fulfilled by a UE having an IMS subscription.

It could be that these interoperability scenarios between non-3GPP UE and 3GPP UE would need to be addressed in IETF. The scenarios were considered possible and should be described in 3GPP specifications. How to document the case to make 3GPP UEs to interwork with non-3GPP UEs is the main issue. It seems also that any interworking needs to be handled in the network, since 3GPP UEs is dependent on the 3GPP network. But the interworking could also be handled by the UE, so the issue is still open.

After the 1588 discussion this contribution 1508 and 1533 will also be part of that interworking study, as input material.

Conclusion : Noted

N1-011532 : 24.228, BT , Type: CR , Title: QoS flows: GPRS only, Diff Serve in core network with SBLPModel"

Discussion : Related to 1504, having N3 impacts. The addition compared to 1504 is the COPS part (start in flow 13). Data in flow 13 is needed in flow in 11 and 12 as well. Shall both 1504 flow and 1532 flows be included or only the 1532 ? The 2 flows are not mutual exclusive since 1504 does not have PCF. If the COPS are in the N3 documentation this would result in duplication with 24.228. Some COPS interaction was requested to be included as example flow in 24.228. More details in 7 and 10 in both proposals were requested.

Conclusion : Replaced by 1602

N1-011533 : 24.229, BT , Type: CR , Title: Interworking with TS 24.229 SIP

Discussion : Redundant after the 1588 discussion, but will be part of the interworking study (together with 1508) which was initiated for 1588.

Conclusion : Noted

N1-011540 : 24.229, Siemens, Type: CR , Title: Behavior of a B2BUA

Discussion :

Conclusion : Withdrawn

N1-011544 : Siemens, Type: DISCUSSION, Title: S-CSCF selection problems

Discussion : The S-CSCF is selected by HSS when the UE has sent REGISTER, but then error cases like no S-CSCF is available or the selected S-CSCF is temporarily out of order may happen. In any case this should deal with what shall happen on the SIP interface. For the Cx interface interaction we need to involve CN4, and check if most of the cases HSS would respond with successful S-CSCF selections (not dumb ones). 6.8.1 in 23.228 addresses this selection on part of SA2. N1 needs to define the I-CSCF behavior, and acting as a proxy would leave any potential REGISTER retries for the UE to perform based on 4xx error message returned to its initial registration attempt.

It was disputed whether I-CSCF is stateless or transaction statefull. The latter would be the case if I-CSCF should be able to reselect another S-CSCF if the first selected S-CSCF did not respond. Which of 23.228 or 24.228 should handle the error cases. S-CSCF failure at re-registration time is not covered in this contribution but it needs to be addressed at some point.

N1 working assumptions need to be confirmed in the joint meeting 17/10. N1 assumes this is not a SA2 issue any more and wonders what should happen with the LS now under preparation from N4 to SA2.

In the joint part of the meeting the LS was discussed, and it was thought that it should be addressed to N1 instead of SA2, if needed at all. Or leave the protocol actions for N1 and the architecture issues for SA2 in the planned LS from N4. Tdoc 1601 was issued for the LS to be seen this afternoon.

Conclusion : Noted

N1-011588 : N3/Siemens, Type: DISCUSSION , Title: Extent of the specification work in 3GPP for IMS to IP interworking

Discussion : N3 would like to have N1's opinion on how to solve/divide interworking issues between themselves. Standard terms like '3GPP profile' should be used, and not 'IMS SIP'. An analysis of interworking issues would help

out in how and where to do the work (in 1544 for the message part). Basic functionality must always be possible to work between non-3GPP UEs and 3GPP UEs. Codecs and IPv4/IPv6 is issues for interworking. Was it not the case that 3GPP enhancements to SIP would be taken into the IETF draft to come ? Only one SIP version exists so backwards compatibility is not an issue. The extensions from 3GPP was thought to be a part within the modularity within SIP. Then it is an IETF specific issue. But it was different opinions if interworking was needed to be worked on in N3 or not.

The scope for analysis to define the interworking issues will be for 3GPP UEs to legacy terminals and vice versa, and will be worked on by a small drafting group of volunteers. Further limitations to the scope is needed,- ie just SIP interoperability to RFC 2543 compliant terminals (eg not IP4 to IPv6 interworking).

The moderator(s) of the drafting group to analyse the interoperability scenarios between 3GPP UE and IETF compliant SIP terminals is Gautam T. and/or Gabor B. 1533 and 1508 is also starting points for this study.

Conclusion : Noted

N1-011589 : N3/BT, Type: DISCUSSION , Title: IMS to CS session cases to include in 29.163

Discussion : As information to N3 the PSTN related call flows in 24.228 will be proposed updated in the near future. Some possibel misleading text was pointed out. An open issue is if the terminating policy on IMS or CS is to be considered ? In the dashed line for ACM, which means optionality, the 183 Ringing needs to be dashed as well. Who is doing the work to land these flows to 24.228? The work can be done in N3 and then brought back to N1.

Conclusion : Noted, and this contribution will be seen in one of the next N1 meetings

N1-011598 : N3/Ericsson, Type: DISCUSSION , Title: Proposal for text to the scope section in TS ab.cde

Discussion : In order to progress the work on the new TS ab.cde (End-to-End QoS signalling flows) in N3, it is important to define a clear and focused scope for the TS.

This affects 24.228 and the worksplit, and the latter also needs to be described in the workplan if decided. To avoid double work boxes can be used for interactions and optionalities, and only example flows showing the Go Interface messages without details in 24.228. The details on parameters and mapping are proposed to be given eg in TS ab.cde and other related TSs. Are the principals from this contribution agreed? The TS ab.cde was agreed to be created. The scope is acceptable if it does not affect the merge of flows intended for 1602.

Conclusion : Agreed

N1-011601 : N4-011188 To: SA2, SA5 Cc: CN1 SA1, Type: LS OUT , Title: Selection of S-CSCF by I-CSCF based on capability requirements

Discussion : Related to 1544. SA2 earlier did not find it necessary to standardize the issue and it has not been raised since. The error handling should be clarified to have been resolved by N1. The proposed added IE has consequences for I-CSCF and SIP. I-CSCF should have a limited set of S-CSCFs to be selected and reselections should be handled in SIP. It is up to CN4 to agree this LS OUT which will be presented unchanged to CN4 this week.

Conclusion : Noted

N1-011602 : 24.228, Ericsson/BT, Type: CR , Title: QoS flows: GPRS only, Diff Serve in core network with and without SBLP support

Discussion : This is the replacement of N1-011504 and 1532. Editorials can be corrected later in the annex where this eventually would go, and also some further work in conceptual areas are needed.

Conclusion : Agreed

8.4 IMS Registration

N1-011448 : Hutchison 3g, Type: DISCUSSION, Title: Re-registration requirements and use cases

Discussion : During CN1#19bis there was discussion of the requirements and implementation of Network Initiated Re-Registration in IMS domain. There was no conclusion to these discussions, at least partly due to the fact that it was not clear what the requirements and/or use cases were. This paper aims to clarify why Re-registration should take place and what happens if it fails.

It was argued that no companies doubted the need for re-registration. Should the operator decide the action when the UE responds wrongly, ie implementation dependant ? The wording used when eventually moved to a draft is probably more aimed towards 23.218. A stage 3 language is needed with proper phrasing etc. in line with 24.229.

Conclusion : Revised to 1585

N1-011585 : 24.229, Hutchison 3g, Type: CR, Title: Re-registration requirements and use cases

Discussion : The intention is the attempts/challenges and not 3 retransmissions. The figure errors will not be a part of the implementation.

Conclusion : Agreed

N1-011500 : 24.228, Ericsson, Type: CR, Title: Package for subscription to registration state, non-hiding case

Discussion : The purpose of this contribution is to update 24.228 v 1.5.0 to reflect the correct information in the SUBSCRIBE/NOTIFY messages associated with the UE and P-CSCF subscribing to the registration state of a user in IMS. The proposal is to use the information structure described in 'Presence package' [1] that addresses an identical issue. This is not associated with Presence services in any way. The scope of the changes here are restricted to that in the To:, From:, Accept:, Event:, Content-Type: headers and message body for the SUBSCRIBE and NOTIFY messages. [1] addresses the scenario where a user is interested in the presence of a specified subscriber in the network. In the context of the use of the presence package here, the presence of the subscriber is defined as the presence of a valid registration state for the subscriber in the network.

Status values open and close are just reused from the package. This presence package will hold together multipel public IDs. The interaction with presence was questioned. This contribution adds IETF presence package as new dependency to the normative reference list in 24.229. The IETF schedule for this needs to be clarified. Contact priority has not been identified to have any use yet, and is an optional field. This dependency to IETF was questioned, and wether 3GPP could define its own registration state package. This is possible as well as trying to modify the IETF package. A number of editorials and consistencies were pointed out, eg that the mapping of 3GPP registration states and the presence state values are for further study.

Conclusion : Revised to 1582

N1-011582 : 24.228, Ericsson, Type: CR, Title: Package for subscription to registration state, non-hiding case

Discussion : Proposed to go to the annex, which was not agreed since then 2 parts need to be maintained.

Conclusion : Agreed

N1-011501 : 24.228, Ericsson, Type: CR, Title: Package for subscription to registration state, hiding case

Discussion : Same comments as for 1500, since this contribution is a mirror for the hiding case.

Conclusion : Revised to 1583

N1-011583 : 24.228, Ericsson, Type: CR, Title: Package for subscription to registration state, hiding case

Discussion :

Conclusion : Agreed

N1-011515 : 24.229, Nokia, Type: CR, Title: Registration procedures at P-CSCF

Discussion : The text under clause 9.2.1 in 24.229 TS does not fully cover the procedures the P-CSCF has to follow when receiving a REGISTER request, and several changes are proposed.

1551 also interacts with the same clause. The use of Expire header with 0 to deregister the user was commented against. What about S3 comments with 4xx responses ? Some description in authentication is needed, maybe seperated from registration. Should registration and deregistration be in same clause as here (eg 0 in registration meaning deregistration) or seperated (3GPP having 2 different functionalities) ? The phrase 'UEs have to be configured to have the P-CSCF as an outbound SIP proxy' does not belong here. For the hanging paragraphs, see 5.2.4 in 21.801, drafting rules.

Conclusion : Revised to 1584

N1-011584 : 24.229, Nokia, Type: CR, Title: Registration procedures at P-CSCF

Discussion : Editors note on Expiry: header has a working assumption on value 0 that is not agreed at this stage.

Conclusion : *Rejected*

N1-011524 : Motorola, Type: DISCUSSION, Title: Use of User-Agent Header including for location Information

Discussion : The SIP User-Agent header is defined in RFC 2543bis as containing information about the client user agent originating the request. This contribution outlines it's use and also proposes that for Rel 5 it also be used for the transport of Location Information including the Cell Global ID.

Do we need 3GPP guidance for use of other User-Agent fields if decided to specify this header for Location information? Addition of overheads was discussed, and that requirements for location services and its extensibilities should be considered.

Conclusion : *Noted*

N1-011542 : 24.228, Siemens, Type: CR, Title: Network initiated Re-Registration

Discussion :

Conclusion : *Not available.*

N1-011544 : Siemens, Type: DISCUSSION, Title: S-CSCF selection problems

Discussion : The S-CSCF is selected by HSS when the UE has sent REGISTER, but then error cases like no S-CSCF is available or the selected S-CSCF is temporarily out of order may happen. In any case this should deal with what shall happen on the SIP interface. For the Cx interface interaction we need to involve CN4, and check if most of the cases HSS would respond with successful S-CSCF selections (not dumb ones). 6.8.1 in 23.228 addresses this selection on part of SA2. N1 needs to define the I-CSCF behavior, and acting as a proxy would leave any potential REGISTER retries for the UE to perform based on 4xx error message returned to its initial registration attempt.

It was disputed whether I-CSCF is stateless or transaction stateful. The latter would be the case if I-CSCF should be able to reselect another S-CSCF if the first selected S-CSCF did not respond. Which of 23.228 or 24.228 should handle the error cases. S-CSCF failure at re-registration time is not covered in this contribution but it needs to be addressed at some point.

N1 working assumptions need to be confirmed in the joint meeting 17/10.

Conclusion : *Forwarded to 8.03*

8.5 IMS Deregistration

N1-011503 : 24.228, Ericsson, Type: CR, Title: Use of SUBSCRIBE/NOTIFY for network initiated de-registration with hiding

Discussion : The purpose of this contribution is to correct some of the headers specified in the messaging for 'network initiated deregistration' in the network hiding case. This contribution is based on the changes introduced in agreed document N1-011429 at CN1#19bis.

Conclusion : *Agreed*

N1-011511 : 24.229, Nokia, Type: CR, Title: Procedures at P-CSCF: Deregistration

Discussion :

Conclusion : *Withdrawn*

N1-011513 : 24.229, Nokia, Type: CR, Title: S-CSCF procedures in Network Initiated De-Registration case

Discussion : It is proposed to insert changes to the text to chapter 9.4.3.1 and 9.4.2.1 of 24.229 about S-CSCF behavior when subscribing for the network initiated deregistration event and sending notifications about the occurrence of the event.

Not all subscriptions to a registration state are permitted, and some authentication is needed, so this issue should be noted as for further study. The event subscription is not related to the registration according to IETF interpretation. The traffic on air interface will be lowered by a modification to a higher timer value, and a note is needed. The timer is needed on the response rather than the request.

Conclusion : Revised to 1586

N1-011586 : 24.229, Nokia, Type: CR, Title: S-CSCF procedures in Network Initiated De-Registration case

Discussion : Annex A in 24.229 contains this text now.

Conclusion : Agreed

N1-011539 : 24.228, Siemens, Type: CR, Title: Network initiated de-registration

Discussion :

Conclusion : Not available.

8.6 IMS Configuration hiding

N1-011498 : 24.229, Ericsson, Type: CR, Title: Erroneous text for I-CSCF in 24.229

Discussion : The purpose of this contribution is to fix some erroneous text in the I-CSCF processing described in the appendix B of 24.229 v 0.6.0.

The part of the changes are towards an annex that is intended for deletion in the future when formalizing the draft. This temporary folder deletion was questioned. The Route as may instead of must was discussed.

Conclusion : Agreed

N1-011541 : Siemens, Type: DISCUSSION, Title: Stateful I-CSCF

Discussion : From the discussions in CN1 during the last meetings it became clear that the I-CSCF was seen as a stateless SIP proxy. This contribution tries to clarify whether an I-CSCF needs to be stateful in the case of configuration hiding. Furthermore it is shown that from the current SIP flows in 24.228 it could be read that the I-CSCF is regarded as a stateful proxy.

Different opinions on what stateless and statefull is. And at least some sees I-CSCF as statefull in the sense of transactions. The behavior needs to be characterized related to the different procedures if wordings is needed to describe statefull/stateless. I-CSCF was claimed as transaction stateless except for Register request within 24.228. Also it is the case of returning error messages when no response is received eg for Cx interactions. Contributions on statefull and stateless in 24.229 needs to be made if this issue shall progress since there does not seem to be a consistent assumption on what is the situation. Or probably this is not needed to be standardized as long as procedures and use cases with the Cx interface are defined. If statefullness or statelessness is used in a 3GPP TS then it should be used correctly, i.e. not violating the traditional IETF understanding of the terms. From implementation viewpoint no internal requirements for I-CSCF (or any other elemnt) should be defined unless there is a reason to do so because the behaviour is visible from outside the interface that the unit offers. 100Trying remains untouched meaning not deleted at this stage. It was agreed to show the Cx queries and the different outcomes but not the details of the queries.

Conclusion : Noted

8.7 IMS Authentication

N1-011506 : 24.228, Ericsson, Type: CR, Title: Network Initiated authentication using REFER

Discussion : This contribution studies a realisation of Network Initiated Authentication by using the REFER method. SA3 has sent an LS (S3z010129) to CN1 where it asks CN1 to study a realisation to re-authenticate a user.

The NOTIFY is a result of the REFER. During the discussion on signalling load between SUBSCRIBE/NOTIFY and REFER, it was proposed that one SUBSCRIBE collects all events needed at registration. REFER method would

decrease signalling since Network Initiated authentication would not happen as often as REGISTER. The fraud potential with REFER was discussed. Dependencies to drafts was mentioned.

Conclusion : Rejected

8.8 IMS Call initiation

N1-011447 : Hutchison 3g, Type: DISCUSSION, Title: Support of DTMF in IMS

Discussion : In general the speech codecs used in cellular systems i.e. AMR, GSM EFR, GSM FR will not successfully convey DTMF tones. In this case some other method is required to signal the tones. In GSM this is done with associated signalling on the radio interface, with the MSC inserting the tones into the bearer path. It is clear that such systems will need to be supported via VoIP connections made through the IMS domain.

In solution 1 another PDP context seems needed,- unless it will become possible to have also the second RTP session using the same PDP context. If setting up a new PDP context is needed then interaction with charging and delay caused by SM procedure should be considered. Mixing signalling and bearer is not favored due to synchronization etc.

Conclusion : Noted

N1-011478 : 24.228, Lucent T., Type: CR, Title: CR to 24.228: A review of the editor's notes in clause 7.3 and 17.3

Discussion : The proposed action on Editors note 1 to 9 is agreed. The 10th and 14th to 17th will be kept as is. 11 to 13 was also agreed

Conclusion : Agreed

N1-011493 : 24.228, Motorola, Type: CR, Title: CR to 24.228: Propose moving session establishment error procedures to main body (i.e. All of Annex A-2).

Discussion : Deletion of the sections was agreed. Moving all of the remaining session establishment error procedures in Annex A-2, to the main body of 24.228 was discussed due to updates needed. It was expected to have contributions on these flows until December. The nature of the annex was to keep the text until it was stable enough. The flows in question has not been modified for a long period.

Conclusion : Agreed

N1-011499 : 24.228, Ericsson, Type: DISCUSSION, Title: Use of Contact: at P-CSCF to identify registration information

Discussion : The purpose of this contribution is to address the issue of binding of information at the P-CSCF in the scenario where a single REGISTER message for the purpose of registering IMPU1 (IM Public Id 1) results in an automatic registration of IMPU2, IMPU3... IMPUn within the network. The contribution analyses the problem at hand and suggests the use of the Contact: header as the key into identifying a subscriber at the P-CSCF, instead of the present use of public id as the key.

For the Mobile Terminating case the S-CSCF is also in the terminating part, and not related to the binding done in the originating S-CSCF done with the Contact: header. Does this new binding base break with the assumption done in SA3? With new IP address for the PDP context a new Registration is needed. Several users on the same device was also discussed. Working assumptions are needed to be changed if this document are to be progressed.

Conclusion : Noted

N1-011502 : 24.229, Ericsson, Type: CR, Title: P-CSCF processing for Mobile Terminating Calls

Discussion : The purpose of this contribution is to add text in Appendix B of 24.229 to clarify the processing of Via headers at the P-CSCF at the reception of a terminating INVITE.

No Annex B exists in 24.229 so A is used. 'Store' is not correct.

Conclusion : Revised to 1611

N1-011611 : 24.229, Ericsson, Type: CR, Title: P-CSCF processing for Mobile Terminating Calls

Discussion :

Conclusion : Agreed

N1-011507 : 24.229, Nokia, Type: CR, Title: SDP and other requirements for the UE

Discussion :

Conclusion : *Withdrawn*

N1-011509 : 24.228, Nokia, Type: CR, Title: PSTN-T flows update

Discussion :

Conclusion : Agreed

N1-011510 : 24.228, Nokia, Type: CR, Title: PSTN-O flows update

Discussion : The set of codecs should be the ones supported by the user, and not the full set supported by MGCF. The first INVITE should be assumed not to be zero, but this issue should be studied with another contribution for later input. Update parts going to notations.

Conclusion : Revised to 1616

N1-011616 : 24.228, Nokia, Type: CR, Title: PSTN-O flows update

Discussion :

Conclusion : Agreed

N1-011512 : 24.229, Nokia, Type: CR, Title: P-CSCF handling the initial INVITE request

Discussion :

Conclusion : *Withdrawn*

N1-011514 : 24.229, Nokia, Type: CR, Title: S-CSCF procedures in User Initiated Call Release case

Discussion :

Conclusion : *Withdrawn*

N1-011516 : 24.228, Nokia, Type: CR, Title: #2 Flow updates

Discussion : Needs to be compared with parts in an already agreed contribution N1-011495 in this meeting. This contribution had 2 errors spotted.

Conclusion : Noted. To be checked towards N1-011495 by the company responsible for the section.

N1-011517 : 24.228, Nokia, Type: CR, Title: Update of the information to be stored in P-CSCF during session setup

Discussion : The removal of tables is an open issue. Updates to the hiding section 17 was argued on,- and also consistency with section 7. What to be standardized as needed to be stored remains to be agreed. The idea will be revisited in later meeting with the view to leave freedom for implementation.

Conclusion : Rejected

N1-011545 : 24.228, Lucent T., Type: CR, Title: CR to 24.228: I-CSCF Processing 100 Trying

Discussion : In the current version of 24.228, in clause 17.3.2, 17.3.3 and 17.3.4, the I-CSCF which does the Cx query is acting as the terminating entity for 100 Trying. In other words, it behaves as a stateful proxy. The protocol on the Cx interface is designed with the assumption that I-CSCF is stateless. Also, in IMS architecture, the assumption is that the I-CSCF is a stateless proxy in SIP transaction. Therefore, those flows need to be corrected to reflect the proper behaviour of I-CSCF.

This possible view would then add to the agreed case that I-CSCF is transaction stateful for Register. Another view is that the change is not needed. 100 Trying should be sent immediately in order to avoid the possible 7 retransmissions.

Conclusion : Rejected

N1-011546 : 24.228, Lucent T., Type: CR, Title: CR to 24.228: Tokenisation in hiding cases

Discussion : In the CN1#19bis meeting, it was found out that the notation of tokenisation parameters is not consistent in the current 24.228 call flows with the hiding case. The problem occurs also outside those contributions that raised this issue, therefore this contribution is attempting to address this issue and find out the proper solution.

This document is now intended as a discussion paper. Option number 2 was favoured by some delegations in order to keep everything within one header, and others favoured option 1. It needs to be shown that a token is needed within each network. Encryption and security aspects are involved if the proposal is to hide something outside the home network. The notation could be discussed in next meeting with a contribution applied to one flow only, and limited to which parts of the header is subject to tokenisation.

Conclusion : *Agreed approach on Option 2*

N1-011570 : 24.228, Lucent T., Type: CR, Title: CR to 24.228: A review of the editor's notes in clause 7.3 and 17.3

Discussion :

Conclusion : *Withdrawn*

N1-011587 : 24.228, Motorola, Type: CR, Title: CR to 24.228: Summary of changes proposed to 24.228 from editorial breakout sessions

Discussion :

Conclusion : *Revised to 1627*

N1-011627 : 24.228, Motorola, Type: CR, Title: CR to 24.228v150: Summary of changes proposed to 24.228 from editorial breakout sessions (including detailed script and output 24.228v150)

Discussion : A continuation on this will be handled in a non N1 formal activity,- in a conference call expected to be attended by 8 delegations and arranged by the rapporteur every Thursday to prepare for the CN1#20bis meeting.

Conclusion : *Agreed*

8.9 IMS Call clearing

N1-011494 : 24.228, Motorola, Type: CR, Title: CR to 24.228: Propose moving session release procedures to main body (All of Annex A-5).

Discussion : Acceptable to move the figure proposed, but not move the annex .

Conclusion : *Agreed to move the figure only.*

8.10 IMS Abnormal cases and error handling

None provided.

8.11 IMS Editorials and other minor issues

N1-011475 : 24.228, Lucent T., Type: CR, Title: CR to 24.228: General editorial issues

Discussion : This contribution addresses a number of general editorial issues within 24.228. Each point can be considered independently. These changes can be implemented at the editor's discretion, rather than in the next version. The changes should occur before moving to version 2.0.0.

Point 1 agreed. Point 2 agreed with 'SIP' like wording as prefix. Point 3 agreed that status codes appear with explanation,- but for the figures the explanation will not appear. Point 4 agreed.

Conclusion : *Agreed*

N1-011476 : 24.229, Lucent T., Type: CR, Title: CR to 24.229: An analysis of the requirements for the Date header

Discussion : This contribution analyses the various SIP drafts, and identifies the SIP requirements for the Date header. It then identifies the values that need to be inserted in the profile tables of 24.229 regarding this header.

In 4.2 a change is needed to the conditions.

Conclusion : *Revised to 1592*

N1-011592 : 24.229, Lucent T., Type: CR, Title: CR to 24.229: An analysis of the requirements for the Date header

Discussion :

Conclusion : *Agreed*

N1-011477 : 24.229, Lucent T., Type: DISCUSSION, Title: CR to 24.229: An analysis of the requirements for the Alert-Info header

Discussion : This contribution analyses the various SIP drafts, and identifies the SIP requirements for the Alert-Info header. It then identifies the values that need to be inserted in the profile tables of 24.229 regarding this header, and was discussed in CN1#19bis.

Alert-info is optional in the UE.

Conclusion : *Agreed*

N1-011479 : 24.229, Lucent T., Type: CR, Title: CR to 24.229: Treatment of 1xx responses

Discussion : This contribution clarifies the usage of 100 and 1xx responses in IETF SIP and updates clause 5 of 24.229 accordingly.

Conclusion : *Agreed*

N1-011495 : 24.228, Motorola, Type: CR, Title: CR to 24.228: Consistent S-CSCF and P-CSCF notation where UE#2 is being served by the same network as UE#1

Discussion : During discussions at CN1#19bis, it was noticed that many of the example flows indicate that the originator and terminator are being served by the same network i.e. involve various combinations of MO#2, S-S#2, MT#2. For these specific examples it is incorrect to indicate that the S-CSCF serving UE#2 is in a different network domain than UE#1. As a result the following notation changes are required. In some instances, it is incorrect to indicate that the called party is located in 'home2.net'. Updates to correct this have also been incorporated. Similar changes have been made to UE#2's I-CSCF, where required. It is requested that CN1 review the updates to ensure accuracy, especially the input script as detailed in the proposal section.

Nokias contribution on this should be compared with this and if discrepancies those issues can be raised towards this CR on Friday morning this week. No discrepancies were announced.

Conclusion : *Agreed*

N1-011496 : 24.228, Motorola, Type: TS, Title: 24.228v150 "Signalling flows for the IP multimedia call control based on SIP and SDP"

Discussion :

Conclusion : *Noted*

N1-011497 : 24.228, Motorola, Type: CR, Title: Suggested clean-up sequence for drafting review of 24.228

Discussion : Incorporated in the parallel drafting session.

Conclusion : *Noted*

N1-011523 : 24.229, Motorola, Type: CR, Title: Editorial correction to Support for SIP compression in TS 24.229

Discussion : At CN1#19bis addition of text on SIP compression in 24.229 was agreed. However as a result of some of the collaborative editing that took place at the meeting some errors and inconsistencies were contained in the agreed text. This contribution seeks to correct these problems.

Conclusion : Agreed

N1-011538 : 24.228, Siemens, Type: CR, Title: Move 24.228 flows which are not updated to Annex

Discussion : Proposes that 24.228 should be reworked in a way that it clearly shows which sections are updated to the current state of discussion and which parts need further updates.

Too much editorial work moving in and out of Annex. No parts of the main body of the TS will be moved to the annex. This still leaves some call flows inconsistent with the established working assumptions and therefore contributions are needed to correct the non-updated flows which are identified in this document. So the list identified is a good To-do list.

Conclusion : Rejected

N1-011543 : 24.229, Siemens, Type: CR, Title: Initial Notes for section 9 of 24.229

Discussion : Notes to be used for procedures or methods ?

Conclusion : Revised to 1623

N1-011623 : 24.229, Siemens, Type: CR, Title: Initial Notes for section 9 of 24.229

Discussion :**Conclusion : Not available**

N1-011547 : 24.229, Lucent T., Type: CR, Title: CR to 24.229: Transport mechanisms for SIP

Discussion : Bullet point in 4.2 should be restricted to UDP for now in Rel-5,- was expressed. CN4 needs to be involved was another view. Use of TCP should not be removed when the SIP allows it. It is up to operators and implementations to define the transport.

Conclusion : Rejected

N1-011548 : 24.229, Lucent T., Type: CR, Title: CR to 24.229: Editorial changes and technical alignment

Discussion : This contribution contains a number of points which address editorial issues or issues of internal technical alignment within 24.229. The points can all be considered independently.

Points 1 to 36 was agreed.

Conclusion : Agreed

N1-011549 : 24.229, Lucent T., Type: CR, Title: CR to 24.229: URL and address assignments in IM CN subsystem

Discussion : There is a need to assign URLs and addresses to various IM subsystem entities in order to allow the SIP protocol to function. These are essential to allow the SIP protocol to operate, but their assignment is outside the SIP protocol. It is therefore proposed that text concerning this should be part of clause 4 of the document. It should also be noted that the requirement to allocate these URLs and addresses is part of the responsibility of the network operator. Therefore these have been written as definitions of what needs to be assigned in order for the protocol to operate, rather than a requirement (which would be on the network operator).

Duplication with 23.228 should be avoided, and reference to the draft dhcp in point 5 is unnecessary. SA2 is discussing modifications to IP address allocation for signalling PDP context. Discussions on point 1 also took place.

Conclusion : Revised to 1624

N1-011624 : 24.229, Lucent T., Type: CR, Title: CR to 24.229: URL and address assignments in IM CN subsystem

Discussion : The words 'Editors note:' will be added. Several issues related to this are still discussed. 'Visited' replaced with 'GGSN' in point 5 was agreed until it was agreed to delete it instead.

Conclusion : Revised to 1629

N1-011629 : 24.229, Lucent T., Type: CR, Title: CR to 24.229: URL and address assignments in IM CN subsystem

Discussion :

Conclusion : Agreed

N1-011593 : IMS Break Out Meeting / Georg Mayer, Type: DISCUSSION, Title: List of possible contributions on minor issues in 24.228

Discussion :

Conclusion : Not treated due to lack of time.

8.12 IMS Emergency call

N1-011525 : 24.228, Motorola, Type: CR, Title: Support of Emergency Sessions

Discussion : SA2 have agreed CR 52 rev 2 (S2-011704-rev1) to TS 23.228, which provides basic information flows for Emergency Sessions for the IM subsystem. Motorola also presented N1-011409 at CN1#19bis in Sophia Antipolis, which discussed the detailed information and actions necessary to implement the Emergency session flow contained in CR 52. This contribution proposes a partial Emergency Session flow (Invite and 183 Session Progress only) for inclusion in 24.228.

Comments given regarding 'editorials'. Should more 'direct access' to EC be used? No since the normal way of setup secures the call quality and resource/QoS allocation. Cleanup on language and call ID needed. How is the UE aware of emergency calls and then inserting sos? Should emergency call have privacy set at all ? Could priority field be used to define emergency to all calls ? No. Proposed to have 2 cases defined,- one for the user awareness of the emergency, and the other when the user is not aware. Clarification to hiding, location information and error cases were given.

Conclusion : Revised to 1591

N1-011591 : 24.228, Motorola, Type: CR, Title: Support of Emergency Sessions

Discussion : It is an open issue ongoing to the GGSN in the home network or if a new attach is required. This CR is intended for the annex, and more call flows will be elaborated.

Conclusion : Agreed

8.13 Other IMS issues

The Draft specifications was desired brought to each meetings also in the future for reference purpose. Then they should be looked at in the beginning of the agenda together with IETF summary documents.

N1-011460 : 24.008v510 CR#482, Motorola, Type: CR, Title: IMS parameters in Protocol Configuration Options

Discussion : How do we know if the content belongs to the protocol part or the additional list ? If the *configuration protocol options list* contains a protocol identifier that is not supported by the receiving entity the corresponding unit shall be discarded. This issue was requested to be studied more in depth. Postponed, meaning this CR will not be provided automatically to the next meeting, but a new tdoc# is needed if this contribution shall be discussed again.

Conclusion : Postponed for the CN#21 meeting in Cancun

N1-011461 : 24.008v510 CR#483, Motorola, Type: CR, Title: Binding Information in Protocol Configuration Options

Discussion :

Conclusion : Withdrawn

N1-011470 : 24.229, Lucent T., Type: TS, Title: Multimedia Call Control Protocol based on SIP and SDP"

Discussion : The Draft specifications was desired brought to each meetings in the future for reference purpose. Then they should be looked at in the beginning of the agenda together with IETF summary documents.

Conclusion : Noted

N1-011471: Lucent T., Type: DISCUSSION, Title: Summary of current IETF documents on SIP

Discussion :

Conclusion : Noted

N1-011472: Lucent T., Type: DISCUSSION, Title: Summary of current IETF documents on SIPING

Discussion :

Conclusion : Noted

N1-011473: Lucent T., Type: DISCUSSION, Title: Summary of current IETF documents on SIMPLE

Discussion :

Conclusion : Noted

N1-0101474: Lucent T., Type: DISCUSSION, Title: Summary of current IETF documents on MMUSIC

Discussion :

Conclusion : Noted

N1-011519: Motorola, Type: DISCUSSION, Title: IMS parameters in Protocol Configuration Options IE

Discussion : Related to 1460 CR. To support IP Multimedia services in GPRS Rel-5 and onwards, there's a need to transfer several IMS-related parameters between the MS and the GGSN. CN1 has not yet decided what Information Elements will be used to convey the necessary IMS parameters. The purpose of this document is to establish a general agreement about the stage 3 aspects of the transfer of IMS-related parameters between the MS and the GGSN.

PCO was discussed in CN4. And related to 1612 which will now be looked at regarding the optionality and/or conditionality of PCO. This results in N1 shall make a solution with the requirement that this IMS information shall be transparent to SGSN. PCO has a length limit of 253 and if the new IMS information extends this it impacts earlier versions of nodes. What is meant with information for R97,- which is using only best effort QoS ?

A joint meeting with CN4 and if possible SA2 in the Cancun CN1#22 meeting seems needed. The option B from this discussion paper is the working assumption.

There was some concerns on whether the suggested option B is sufficient to guarantee the transparent transfer of IMS data through an old SGSN. Whether this works or not is also dependent on how the manufacturers interpreted the requirements specified in the older releases.

Conclusion : Agreed on option B

N1-011550: 24.229, Lucent T., Type: CR, Title: CR to 24.229: Some proposals for procedures at the UE

Discussion :

Conclusion : Not treated due to lack of time.

N1-011551: 24.229, Lucent T., Type: CR, Title: CR to 24.229: Some proposals for procedures at the P-CSCF

Discussion :

Conclusion : Not treated due to lack of time.

N1-011552: 24.229, Lucent T., Type: CR, Title: CR to 24.229: Some proposals for procedures at the I-CSCF

Discussion :

Conclusion : Not treated due to lack of time.

N1-011553: 24.229, Lucent T., Type: CR, Title: CR to 24.229: Some proposals for procedures at the S-CSCF

Discussion : Several comments made.

Conclusion : Revised to 1626

N1-011626 : 24.229, Lucent T., Type: CR, Title: CR to 24.229: Some proposals for procedures at the S-CSCF

Discussion : In 9.4.2.2 the expiration timer to 200 OK was commented, in the way that S-CSCF keeps flexibility to decide the Registration time. That restriction is proposed removed with modified texts. Should the user be deregistered?

Conclusion : *Rejected*

N1-011554 : 24.229, Lucent T., Type: CR, Title: CR to 24.229: Some proposals for procedures at the BGCF

Discussion :

Conclusion : *Not treated due to lack of time.*

N1-011555 : 24.229, Lucent T., Type: CR, Title: CR to 24.229: Some proposals for procedures at the MGCF

Discussion :

Conclusion : *Not treated due to lack of time.*

N1-011565 : Vodafone, Type: DISCUSSION, Title: Introduction of Cell ID to SIP messages

Discussion :

Conclusion : *Not available.*

8.14 TEI5

N1-011462 : 24.008v510 CR#484, Motorola, Type: CR, Title: Introduction of QoS Alternative IE

Discussion : Currently, when a mobile activates a PDP context, it cannot specify any negotiable QoS parameters nor an allowable range of values for these parameters. However, it should be possible for the mobile to indicate whether any QoS parameters can be negotiable and, if so, to define the negotiable range of values for these QoS parameters. RAN3 has already implemented the RANAP modifications that allow an SGSN to optionally indicate Alternative RAB parameters (in addition to the normal RAB parameters) upon a RAB establishment. A new optional IE "Alternative QoS" is added to Activate (Secondary) PDP Context Request and to Modify PDP Context Request (MS to network direction). These IEs specify the negotiable QoS parameters and the allowable range of values or discrete values that these parameters may take. Currently, only two QoS parameters can be negotiable: the Max. Bit Rate and the Guaranteed Bit Rate (this has been decided by RAN3 and it is simply adopted in this CR too).

Which Rel-5 WI and N1 task is correct for this contribution ? None, so either the one used by RAN3 for their CR or TEI5 needs to be used. For Max and Guaranteed Bit rate it is intended to be for both uplink and downlink, and the coding is done same as for QoS IE. What is the meaning for values not coded ? What does the SGSN do when receiving this new IE,- eg. with the 2 IEs having the same value. It was commented that the procedure part should be in the session management part and not in the table. What is the criteria for the UE to insert this new IE? The optionality for the UE to use this new IE needs to be stated. The network shall take this new IE into account if received. Could highest limit be needed as well for the bit rates? QoS IE content should have the highest priority and then moving downwards.

Conclusion : *Revised to 1618*

N1-011618 : 24.008v510 CR#484r1, Motorola, Type: CR, Title: Introduction of QoS Alternative IE

Discussion : The WI could be TEI5 since only 23.060 is expected to be modified for this. Definition of undefined values is not needed since those shall be disregarded. Should the SGSN store this information? And besides,- the interactions to 29.060 needs to be described, so these issues should be agreed on in the 23.060 CR.

Conclusion : *Agreed conditionally on the related 23.060 CR agreed in SA2*

N1-011518 : 24.008v510 CR#458r2, Nokia, Type: CR, Title: Introduction of Source Statistics Descriptor

Discussion : 3GPP TSG-SA2 QoS group agreed the introduction of the Source Statistics Descriptor as a new QoS parameter to 23.107 (S2-010006). It was also agreed that 29.060 and 24.008 should be updated accordingly. Chapter 10.5.6.5, QoS IE has been updated. Due to ongoing discussions in GERAN and SA2 groups about the possible addition of new values to the Source Statistics Descriptor, one octet (octet 14) is reserved for this parameter.

The WI needs to be clarified. Ignored by earlier versions of network ? The extra octet not mentioned in related messages. Revision marks missing in the last part as well. The figure with spare needs coding to all 0s. Is 4 bits needed for this since 3 values at most are intended. Is this needed for the Network to Mobile direction or should that direction be deleted ?

Conclusion : Revised to 1620

N1-011620 : 24.008v510 CR#458r3, Nokia, Type: CR, Title: Introduction of Source Statistics Descriptor

Discussion : The WI shall be coordinated with SA2 by Hannu on the related CR to TS update of 23.107.

Conclusion : Agreed

8.15 Other Rel-5 issues

N1-011486 : 24.008v510 CR#489, Ericsson, Type: CR, Title: LCS capability for GPRS

Discussion : 9.4.14.6 already has a mandatory requirement so the additional sentence is not needed. It was questioned if the SGSN needs to know the information ? The PFI sent with the new LCS coding for a non-compliant BSS may risk the call to be cleared since a reserved value is now used. The line 'permanently reserved' is better deleted and it will work. Bits is missing in the ASN1 encoding as well as other comments to be given off line.

Conclusion : Revised to 1619

N1-011619 : 24.008v510 CR#489r1, Ericsson, Type: CR, Title: LCS capability for GPRS

Discussion :

Conclusion : Not available

N1-011487 : 44.064v410 CR#002r1, Ericsson, Type: CR, Title: Introduction of a new TOM protocol discriminator for RRLP

Discussion :

Conclusion : Withdrawn

N1-011491 : 24.008v510 CR#493, Ericsson, Type: CR, Title: Usage of TMSI in Intra Domain Connection of RAN Nodes to Multiple CN Nodes

Discussion :

Conclusion : Revised to 1595

N1-011595 : 24.008v510 CR#493r1, Ericsson, Type: CR, Title: Usage of TMSI in Intra Domain Connection of RAN Nodes to Multiple CN Nodes

Discussion : Is this needed for P-TMSI? No. Parts from the similar Vodafone contribution will be included in an update. Is N1 task to the WID needed? Probably not since the remaining work is anticipated small, in 24.007, 23.009 and 29.018.

Conclusion : Revised to 1621

N1-011621 : 24.008v510 CR#493r2, Ericsson, Type: CR, Title: Usage of TMSI in Intra Domain Connection of RAN Nodes to Multiple CN Nodes

Discussion :

Conclusion : Agreed

N1-011492 : 23.009v420 CR#052, Ericsson, Type: CR, Title: Introduction of Intra Domain Connection of RAN

Discussion :

Conclusion : Withdrawn

N1-011558 : 24.008v510 CR#502, Motorola, Type: CR, Title: Transfer of P-CSCF address(es) within PDP context activation signalling

Discussion :

Conclusion : Withdrawn

N1-011562 : 24.007v400 CR#044, Vodafone, Type: CR, Title: Support of the feature 'Intra domain connection of RAN nodes to multiple CN nodes'

Discussion : It is not a normative part but information is needed indicating that the feature is available from Rel-5.

Conclusion : Rejected

N1-011563 : 24.008v510 CR#503, Vodafone, Type: CR, Title: Support of the feature 'Intra domain connection of RAN nodes to multiple CN nodes'

Discussion :

Conclusion : Withdrawn

N1-011564 : 29.018v410 CR#021, Vodafone, Type: CR, Title: Support of the feature 'Intra domain connection of RAN nodes to multiple CN nodes'

Discussion :

Conclusion : Withdrawn

N1-011573 : 23.009v420 CR#058, GERAN/Nokia, Type: CR, Title: Draft CR to 23.009 due to RRC changes in 44.018

Discussion : This is on a Rel-5 WI eventually creating v500. The WI Alignment of 3G functional split and Iu has no acronym yet. This CR is the revision of the one contained in LS IN 1435.

Conclusion : Rejected

N1-011610 : 24.008v510 CR#504, Nokia, Type: CR, Title: Use of Supported Codecs IE for all codec types

Discussion : It was discussed whether GERAN W-AMR would be carried in BC IE. There is no new procedure, only new coding. Is a joint meeting with GERAN in Cancun for Wednesday evening needed ? Yes, an action on Hannu to arrange that, and with the way to co-operate in the future as one item apart from this CR#504. 9.3.23.2.16 in 24.008 needs, among others, to be modified.

Conclusion : Revised to 1622

N1-011622 : 24.008v510 CR#504r1, Nokia, Type: CR, Title: Use of Supported Codecs IE for all codec types

Discussion :

Conclusion : Revised to 1628

N1-011628 : 24.008v510 CR#504r2, Nokia, Type: CR, Title: Use of Supported Codecs IE for all codec types

Discussion : Different opinions on which versions would support this procedure. Plus some other comments that requires this CR to be revised for the next meeting.

Conclusion : Rejected

9 LS OUT (output liaison statements)

N1-011571 : Robert Z., Type: LS OUT , Title: Linked to N(SD) CRs in 1453 and 1454

Discussion : Linked to 1067. Hannu takes the action to inform GERAN on the reflector.

Conclusion : Withdrawn

N1-011572 : Inma C., Type: LS OUT to: GERAN2, Title: LS to GERAN on WB-AMR Signalling

Discussion : Linked to 1290. Correct to GERAN2 and 1622 shall be 1628 which needs to be attached.

Conclusion : Agreed

N1-011594 : Inma C., Type: LS OUT to SA1, Title: LS to SA1 on Multicall handover requirements

Discussion : Linked to 1556 and 1581 which is not yet attached. CN4 will not be affected any more,- and Hannu informs CN4 chairman to say that contrary to earlier plenary assumption no impact is foreseen on the other CN4 TSs and to ask them to review the 23.009 CRs.. 23.009 CR 1556 (1557) and 1581 can be seen by CN4 in Cancun, and shall be provided to the CN4 tdoclist by the originator of these docs.

Conclusion : Agreed

N1-011625 : Atle M., Type: LS OUT to CN4, Title: Liaison Statement response on 'LS On the handling of the Protocol Configuration Options IE'

Discussion : Linked to 1612.

Conclusion : Agreed

10 Any Other Business (AOB)

None provided

11 Closing of the meeting

14:30 Friday 19.10.2001

Review of dates and hosts for future meetings

Meeting schedule for rest of 2001

3GPP Meeting	Date	Place	Host
N1#20bis	13-15 November 2001	Seattle, USA	ATTWS
N1#21	26-30 November 2001	Cancun, Mexico	North American friends of 3GPP
TSGN#14	12-14 December 2001	Kyoto, Japan	?
N1-SIP-adhoc	14-18 January 2002	Phoenix, USA	ATTWS
N1#22	28 January-1 February 2002	Sophia Antipolis, France	ETSI
N1#22bis	19-21 February 2002	?	?
TSGN#15	6-8 March 2002	Korea	?
N1#23	8-12 April 2002	USA	?
N1#24	13-17 May 2002	Sophia Antipolis, France	?
TSGN#16	5-7 June 2002	Marco Island, FL., USA	?
N1#25	29 July-2 August 2002	Helsinki, Finland	Sonera

TSGN#17	4-6 September 2002	France	?
N1#26	23-27 September 2002	USA	?
N1#27	11-15 November 2002	Penang, Malaysia	?
TSGN#18	4-6 December 2002	New Orleans, USA	?

Annex A Joint meeting report (CN1/ 5)

Please see section 8.2 and 8.3.

Annex B List of participants

<i>Person's name:</i>	<i>email</i>	<i>Organisation name, status, partner</i>	<i>Role</i>
1 Mr. Rob Allan	rob.allan@orange.net	ORANGE PCS LTD	3GPPMEMBER ETSI
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Annex C Agreed CRs

Spec	CR #	Rev	CAT	C_Ver sion	Tdoc Title	Type	WI	Rel	Status	TDoc #
04.08	A1117		F	6.15.0	Handling of new/old TLLI in the network	CR	GPRS	R97	AGREED	N1-011464
04.08	A1119		F	7.13.0	Handling of new/old TLLI in the network	CR	GPRS	R98	AGREED	N1-011604
09.18	A046		F	6.6.0	Clarification of the periodic routing area update procedure	CR	GPRS	R97	AGREED	N1-011449
09.18	A047		A	7.4.0	Clarification of the periodic routing area update procedure	CR	GPRS	R98	AGREED	N1-011450
09.18	A048	1	F	6.6.0	Correction of the Reject cause	CR	GPRS	R97	AGREED	N1-011574

					when T6-1 expires					
09.18	A049		F	7.4.0	Correction of the Reject cause when T6-1 expires	CR	GPRS	R98	AGREED	N1-011605
23.009	054		F	3.8.0	Multicall bearer selection	CR	Multicall	R99	AGREED	N1-011556
23.009	055		F	4.2.0	Multicall bearer selection	CR	Multicall	Rel-4	AGREED	N1-011557
24.007	042		F	3.7.0	Clarification of the send sequence number mechanism	CR	GSM/UMTS Interworking	R99	AGREED	N1-011453
24.007	043		A	4.0.0	Clarification of the send sequence number mechanism	CR	GSM/UMTS Interworking	Rel-4	AGREED	N1-011454
24.008	458	3	B	5.1.0	Introduction of Source Statistics Descriptor	CR	QoS	Rel-5	AGREED	N1-011620
24.008	477	1	F	3.9.0	Correction of the criteria for the usage of combined RAU	CR	GPRS	R99	AGREED	N1-011607
24.008	478	1	A	4.4.0	Correction of the criteria for the usage of combined RAU	CR	GPRS	Rel-4	AGREED	N1-011608
24.008	479	1	A	5.1.0	Correction of the criteria for the usage of combined RAU	CR	GPRS	Rel-5	AGREED	N1-011609
24.008	480		F	4.4.0	Correction of default codec selection criterion	CR	TFO-AMR	Rel-4	AGREED	N1-011458
24.008	481		A	5.1.0	Correction of default codec selection criterion	CR	TFO-AMR	Rel-5	AGREED	N1-011459
24.008	484	1	B	5.1.0	Introduction of QoS Alternative IE	CR	QoSPS	Rel-5	AGREED	N1-011618
24.008	485	1	F	3.9.0	Mapping of NAS procedures to RRC Establishment Causes	CR	GSM/UMTS Interworking	R99	AGREED	N1-011578
24.008	486	1	A	4.4.0	Mapping of NAS procedures to RRC Establishment Causes	CR	GSM/UMTS Interworking	Rel-4	AGREED	N1-011579
24.008	487	1	A	5.1.0	Mapping of NAS procedures to RRC Establishment Causes	CR	GSM/UMTS Interworking	Rel-5	AGREED	N1-011580
24.008	488		F	5.1.0	Correction of missing actions on RAND and T3218, T3316	CR	TEI5	Rel-5	AGREED	N1-011469
24.008	493	2	C	5.1.0	Usage of TMSI in Intra Domain Connection of RAN Nodes to Multiple CN Nodes	CR	IUFLEX	Rel-5	AGREED	N1-011621
24.008	496		F	3.9.0	P-TMSI Signature handling	CR	GPRS	R99	AGREED	N1-011527
24.008	497		A	4.4.0	P-TMSI Signature handling	CR	GPRS	Rel-4	AGREED	N1-011528
24.008	498		A	5.1.0	P-TMSI Signature handling	CR	GPRS	Rel-5	AGREED	N1-011529
24.008	499		F	3.9.0	Correction on maximum transfer delay value in QoS IE	CR	QoS enhancements	R99	AGREED	N1-011535
24.008	500		A	4.4.0	Correction on maximum transfer delay value in QoS IE	CR	QoS enhancements	Rel-4	AGREED	N1-011536
24.008	501		A	5.1.0	Correction on maximum transfer delay value in QoS IE	CR	QoS enhancements	Rel-5	AGREED	N1-011537
24.008	505		A	3.9.0	Handling of new/old TLLI in the	CR	GPRS	R99	AGREED	N1-011613

					network						
24.008	506		A	4.4.0	Handling of new/old TLLI in the network	CR	GPRS	Rel-4	AGREED	N1-011614	
24.008	507		A	5.1.0	Handling of new/old TLLI in the network	CR	GPRS	Rel-5	AGREED	N1-011615	
29.018	019		A	3.7.0	Clarification of the periodic routing area update procedure	CR	GPRS	R99	AGREED	N1-011451	
29.018	020		A	4.1.0	Clarification of the periodic routing area update procedure	CR	GPRS	Rel-4	AGREED	N1-011452	

CRs for e-mail agreement

None

Documents Endorsed by N1

None

Annex D Tdoc list (incl. the status)

TDoc #	Tdoc Title	Source	Spec	WI	C_Ve r s i o n	Rel	C A T	CR #	Re v	Type	Comments	Status
N1-011067	Response to LS on "Duplication avoidance protocol moved from 04.18 to 24.007"	GERAN								LS IN	GP-011436, To: N1 1259,1260 for the CRs which were rejected. So a response is needed.	LS OUT i 1571 by Robert Zaus.
N1-011290	LS to CN1 on WB-AMR Signalling	GERAN								LS IN	GP-011833, To: N1 Forwarded to CN1#20 with the same tdoc#	LS OUT i 1572 by Inma C.
N1-011373	CR to 23.218: Service Triggering at Registration	Lucent Technologies / Xin Chen	23.218	IMS-CCR	0.6.0	Rel-5				CR	Forward to N1#20 joint for N2 review. Agreed in CN1	REPLAC D BY 1597
N1-011401	Liaison Statement on IMS to IP interworking functions	S2								LS IN	S2-012460, To: N3, S4 Cc: N1 Forwarded to CN1#20 with the same tdoc#	NOTED
N1-011431	Brighton0110	Chairman								AGENDA		AGREED

N1-011432	DRAFT STATUS REPORT v1.1.0, 3GPP TSG-CN#13 Beijing, China, 19th – 21st September, 2001	Chairman								REP ORT		NOTED
N1-011433	Meeting Report, TSG CN WG1# 19, Helsinki, Finland, 27 - 31 August 2001	MCC								REP ORT		AGREED
N1-011434	Latest workplan	MCC								WO RK PLA N		NOTED
N1-011435	LS on CR against 23.009 regarding the applicability of handover procedures in GERAN	GERAN								LS IN	GP-011965R, To: N1	NOTED
N1-011436	LS on introduction of a new release marker in the MS Classmark 3 and MS Radio Access Capability IEs	CN								LS IN	NP-010534, To: GERAN Cc: N1	NOTED
N1-011437	Response to LS (G2-010196) on Inter-BSC/RAN Network Assisted Cell Change	R2								LS IN	R2-012200, To: GERAN2 Cc: R3, R4, S2, N1, N4	NOTED
N1-011438	Response to LS: GERAN architecture and impacts on the lu-cs interface	R3								LS IN	R3-012694, To: RAN, GERAN2, N1, S4 Cc: GERAN	NOTED
N1-011439	Proposed LS "Stop reporting type"	S2								LS IN	S2-012351, To: R3 Cc: N4, R2, S1, N1	NOTED
N1-011440	LS on Security aspects of the 3GPP push service	S2								LS IN	S2-012423, To: S3, N1, N4 Cc: S1	NOTED
N1-011441	LS "Update of lu-Flex status"	S2								LS IN	S2-012454, To: R3, R2, GERAN2, N1, N4	NOTED
N1-011442	Liaison Statement response on "Inter-BSC/RAN Network Assisted Cell Change"	S2								LS IN	S2-012459, To: GERAN, R3, R2, N4 Cc: N1	NOTED
N1-011443	LS on "Access Point Name" usage	S5								LS IN	S5-010555, To: All WGs of 3GPP TSGs CN and SA	NOTED
N1-011444	Liaison Statement on SMS testing	T2								LS IN	T2-010844, To: T1 Cc: GERAN4, GERAN5, N1, T	NOTED
N1-011445	Mobile terminated call with single numbering	Nokia								DISC		NOTED

	scheme											
N1-011446	Mobile terminated call with single numbering scheme	Nokia	24.008	TEI	3.9.0	R99	F	476		CR		REVISED TO 1577
N1-011447	Support of DTMF in IMS	Hutchison 3g								DISC		NOTED
N1-011448	Re-registration requirements and use cases	Hutchison 3g								DISC		REVISED TO 1585
N1-011449	Clarification of the periodic routing area update procedure	Siemens	09.18	GPRS	6.6.0	R97	F	A046		CR		AGREED
N1-011450	Clarification of the periodic routing area update procedure	Siemens	09.18	GPRS	7.4.0	R98	A	A047		CR		AGREED
N1-011451	Clarification of the periodic routing area update procedure	Siemens	29.018	GPRS	3.7.0	R99	A	019		CR		AGREED
N1-011452	Clarification of the periodic routing area update procedure	Siemens	29.018	GPRS	4.1.0	Rel-4	A	020		CR		AGREED
N1-011453	Clarification of the send sequence number mechanism	Siemens	24.007	GSM/UMTS Interworking	3.7.0	R99	F	042		CR		AGREED
N1-011454	Clarification of the send sequence number mechanism	Siemens	24.007	GSM/UMTS Interworking	4.0.0	Rel-4	A	043		CR		AGREED
N1-011455	Correction of the criteria for the usage of combined RAU	Siemens	24.008	GPRS	3.9.0	R99	F	477		CR		REVISED TO 1607
N1-011456	Correction of the criteria for the usage of combined RAU	Siemens	24.008	GPRS	4.4.0	Rel-4	A	478		CR		REVISED TO 1608
N1-011457	Correction of the criteria for the usage of combined RAU	Siemens	24.008	GPRS	5.1.0	Rel-5	A	479		CR		REVISED TO 1609
N1-011458	Correction of default codec selection criterion	Siemens	24.008	TFO-AMR	4.4.0	Rel-4	F	480		CR		AGREED
N1-011459	Correction of default codec selection criterion	Siemens	24.008	TFO-AMR	5.1.0	Rel-5	A	481		CR		AGREED
N1-011460	IMS parameters in Protocol Configuration Options	Motorola/Apostolis	24.008	IMS-CCR	5.1.0	Rel-5	B	482		CR	To be discussed in Cancun, CN1#22.	POSTPONED
N1-011461	Binding Information in Protocol Configuration Options	Motorola/Apostolis	24.008	IMS-CCR	5.1.0	Rel-5	B	483		CR		WITHDRAWN
N1-011462	Introduction of QoS Alternative IE	Motorola/Apostolis	24.008	QoSPPS	5.1.0	Rel-5	B	484		CR		REVISED TO 1618
N1-011463	Correction of the Reject cause when T6-1 expires	Motorola/Apostolis	09.18	GPRS	6.6.0	R97	F	A048		CR		REVISED TO 1574
N1-	Handling of new/old TLLI	Motorola/	04.08	GPR	6.	R97	F	A111		CR		AGREED

011464	in the network	Apostolis		S	15.0			7				
N1-011465	Handling of Foreign-TLLI	Motorola/Apostolis								DISC		NOTED
N1-011466	Mapping of NAS procedures to RRC Establishment Causes	Ericsson	24.008	GSM/UMTS Interworking	3.9.0	R99	F	485		CR		REVISED TO 1578
N1-011467	Mapping of NAS procedures to RRC Establishment Causes	Ericsson	24.008	GSM/UMTS Interworking	4.4.0	Rel-4	A	486		CR		REVISED TO 1579
N1-011468	Mapping of NAS procedures to RRC Establishment Causes	Ericsson	24.008	GSM/UMTS Interworking	5.1.0	Rel-5	A	487		CR		REVISED TO 1580
N1-011469	Correction of missing actions on RAND and T3218, T3316	Ericsson	24.008	TEI5	5.1.0	Rel-5	F	488		CR		AGREED
N1-011470	Current draft 24.229: "IP Multimedia Call Control Protocol based on SIP and SDP"	Lucent Technologies / Keith Drage	24.229	IMS-CCR	0.6.0	Rel-5				TS		NOTED
N1-011471	Summary of current IETF documents on SIP	Lucent Technologies / Keith Drage		IMS-CCR						DISC		NOTED
N1-011472	Summary of current IETF documents on SIPPING	Lucent Technologies / Keith Drage		IMS-CCR						DISC		NOTED
N1-011473	Summary of current IETF documents on SIMPLE	Lucent Technologies / Keith Drage		IMS-CCR						DISC		NOTED
N1-011474	Summary of current IETF documents on MMUSIC	Lucent Technologies / Keith Drage		IMS-CCR						DISC		NOTED
N1-011475	CR to 24.228: General editorial issues	Lucent Technologies / Keith Drage	24.228	IMS-CCR	1.5.0	Rel-5				CR		AGREED
N1-011476	CR to 24.229: An analysis of the requirements for the Date header	Lucent Technologies / Keith Drage	24.229	IMS-CCR	0.6.0	Rel-5				CR		REVISED TO 1592
N1-011477	CR to 24.229: An analysis of the requirements for the Alert-Info header	Lucent Technologies / Keith Drage	24.229	IMS-CCR	0.6.0	Rel-5				CR		AGREED
N1-011478	CR to 24.228: A review of the editor's notes in clause 7.3 and 17.3	Lucent Technologies / Keith Drage	24.228	IMS-CCR	1.5.0	Rel-5				CR		AGREED
N1-011479	CR to 24.229: Treatment of 1xx responses	Lucent Technologies / Keith	24.229	IMS-CCR	0.6.0	Rel-5				CR		AGREED

		Drage											
N1-011480	CR to 23.218 Addition of CAMEL Procedures to section 11	Lucent Technologies / Michel Grech	23.218	IMS-CCR	0.7.0	Rel-5					CR		REVISED TO 1596
N1-011481	CR to 24.228: Cx interface interaction in registration	Lucent Technologies / Xin Chen	24.228	IMS-CCR	1.5.0	Rel-5					CR		REVISED TO 1603
N1-011482	CR to 24.228: Cx interface interaction in session initiation	Lucent Technologies / Xin Chen	24.228	IMS-CCR	1.5.0	Rel-5					CR		REVISED TO 1606
N1-011483	InterSystem IntraMSC-B Handover	Nortel Networks/ Sonia Garapaty	23.009, 29.010	GSM-UMTS interworking		R99					Disc		NOTED
N1-011484	Subsequent InterSystem Handovers	Nortel Networks/ Sonia Garapaty	23.009	GSM-UMTS interworking	3.8.0	R99	F	042	2		CR		REJECTED
N1-011485	Subsequent InterSystem Handovers	Nortel Networks/ Sonia Garapaty	23.009	GSM-UMTS interworking	4.2.0	Rel-4	A	043	2		CR		REJECTED
N1-011486	LCS capability for GPRS	Ericsson	24.008	LCS	5.1.0	Rel-5	B	489			CR		REVISED TO 1619
N1-011487	Introduction of a new TOM protocol discriminator for RRLP	Ericsson	44.064	LCS	4.1.0	Rel-5	B	002	1		CR		WITHDRAWN
N1-011488	Correction of mistake in range of values of Transfer Delay	Ericsson/Zdravko	24.008	QoS	3.9.0	R99	F	490			CR		WITHDRAWN
N1-011489	Correction of mistake in range of values of Transfer	Ericsson/Zdravko	24.008	QoS	4.4.0	Rel-4	F	491			CR		WITHDRAWN
N1-011490	Correction of mistake in range of values of Transfer	Ericsson/Zdravko	24.008	QoS	5.1.0	Rel-5	F	492			CR		WITHDRAWN
N1-011491	Usage of TMSI in Intra Domain Connection of RAN Nodes to Multiple CN Nodes	Ericsson/Zdravko	24.008	IUFLEX	5.1.0	Rel-5	C	493			CR		REVISED TO 1595
N1-011492	Introduction of Intra Domain Connection of RAN	Ericsson/Zdravko	23.009	IUFLEX	4.2.0	Rel-5	C	052			CR		WITHDRAWN
N1-011493	CR to 24.228: Propose moving session establishment error procedures to main body (i.e. All of Annex A-2).	Motorola, John O'Hare	24.228	IMS-CCR	1.5.0	Rel-5					CR		AGREED
N1-011494	CR to 24.228: Propose moving session release procedures to main body (All of Annex A-5).	Motorola, John O'Hare	24.228	IMS-CCR	1.5.0	Rel-5					CR	Only the figure was agreed to be moved.	AGREED

N1-011495	CR to 24.228: Consistent S-CSCF and P-CSCF notation where UE#2 is being served by the same network as UE#1	Motorola, John O'Hare	24.228	IMS-CCR	1.5.0	Rel-5			CR		AGREED
N1-011496	24.228v150 "Signalling flows for the IP multimedia call control based on SIP and SDP"	Motorola, John O'Hare	24.228	IMS-CCR	1.5.0	Rel-5			TS		NOTED
N1-011497	Suggested clean-up sequence for drafting review of 24.228	Motorola, John O'Hare	24.228	IMS-CCR	1.5.0	Rel-5			INFO		NOTED
N1-011498	Erroneous text for I-CSCF in 24.229	Ericsson	24.229	IMS-CCR	0.6.0	Rel-5			CR		AGREED
N1-011499	Use of Contact: at P-CSCF to identify registration information	Ericsson	24.228	IMS-CCR	1.5.0	Rel-5			DISCUSSION		NOTED
N1-011500	Package for subscription to registration state, non-hiding case	Ericsson	24.228	IMS-CCR	1.5.0	Rel-5			CR		REVISED TO 1582
N1-011501	Package for subscription to registration state, hiding case	Ericsson	24.228	IMS-CCR	1.5.0	Rel-5			CR		REVISED TO 1583
N1-011502	P-CSCF processing for Mobile Terminating Calls	Ericsson	24.229	IMS-CCR	0.5.0	Rel-5			CR		REVISED TO 1611
N1-011503	Use of SUBSCRIBE/NOTIFY for network initiated de-registration with hiding	Ericsson	24.228	IMS-CCR	1.5.0	Rel-5			CR		AGREED
N1-011504	QoS flows: GPRS only, diffserv in core network, no SBLP	Ericsson	24.228	IMS-CCR	1.5.0	Rel-5			CR	Related to 1532	REPLACED BY 1602
N1-011505	Evolution of TS 23.218	Ericsson	23.218	IMS-CCR	0.7.0	Rel-5			CR		NOTED
N1-011506	Network Initiated authentication using REFER	Ericsson	24.228	IMS-CCR	1.5.0	Rel-5			CR		REJECTED
N1-011507	SDP and other requirements for the UE	Nokia/Bajkó Gábor	24.229	IMS-CCR	0.7.0	Rel-5			CR		WITHDRAWN
N1-011508	Interworking between 3GPP and IETF SIP terminals	Nokia/Bajkó Gábor	24.229	IMS-CCR	0.7.0	Rel-5			CR		NOTED
N1-011509	PSTN-T flows update	Nokia/Bajkó Gábor	24.228	IMS-CCR	1.5.0	Rel-5			CR		AGREED
N1-011510	PSTN-O flows update	Nokia/Bajkó Gábor	24.228	IMS-CCR	1.5.0	Rel-5			CR		REVISED TO 1616
N1-011511	Procedures at P-CSCF: Deregistration	Nokia/Bajkó Gábor	24.229	IMS-CCR	0.7.0	Rel-5			CR		WITHDRAWN
N1-011512	P-CSCF handling the initial INVITE request	Nokia/Bajkó Gábor	24.229	IMS-CCR	0.7.0	Rel-5			CR		WITHDRAWN
N1-	S-CSCF procedures in	Nokia/Kris	24.229	IMS-	0.	Rel-5			CR		REVISED

011513	Network Initiated De-Registration case	ztian Kiss		CCR	7.0								TO 1586
N1-011514	S-CSCF procedures in User Initiated Call Release case	Nokia/Martti Perala	24.229	IMS-CCR	0.7.0	Rel-5				CR			WITHDRAWN
N1-011515	Registration procedures at P-CSCF	Nokia/Bajkó Gábor	24.229	IMS-CCR	0.7.0	Rel-5				CR			REVISED TO 1584
N1-011516	#2 Flow updates	Nokia/Kristian Kiss	24.228	IMS-CCR	1.5.0	Rel-5				CR			NOTED
N1-011517	Update of the information to be stored in P-CSCF during session setup	Nokia/Martti Perala	24.228	IMS-CCR	1.5.0	Rel-5				CR			REJECTED
N1-011518	Introduction of Source Statistics Descriptor	Nokia	24.008	QoS	5.1.0	Rel-5	B	458	2	CR			REVISED TO 1620
N1-011519	IMS parameters in Protocol Configuration Options IE	Motorola/Apostolis		IMS-CCR						DISC			AGREED
N1-011520	RRC Establishment Causes for LCS Procedures	Ericsson	24.008	LCS	4.4.0	Rel-4	F	494		CR			Not treated due to lack of time.
N1-011521	RRC Establishment Causes for LCS Procedures	Ericsson	24.008	LCS	5.1.0	Rel-5	A	495		CR			Not treated due to lack of time.
N1-011522	TS 23.218v070 "IP multimedia Session Handling; IP multimedia Call Model"	Motorola, Andrew Allen	23.218	IMS-CCR	0.7.0	Rel-5				TS			NOTED
N1-011523	Editorial correction to Support for SIP compression in TS 24.229	Motorola, Andrew Allen	24.229	IMS-CCR	0.6.0	Rel-5				CR			AGREED
N1-011524	Use of User-Agent Header including for location Information	Motorola Andrew Allen								DISC			NOTED
N1-011525	Support of Emergency Sessions	Motorola Andrew Allen	24.228	EMC1-PS	1.5.0	Rel-5				CR			REVISED TO 1591
N1-011526	Editorial and Minor changes against TS 23.218	Motorola Andrew Allen	23.218	IMS-CCR	0.7.0	Rel-5				CR			REVISED TO 1597
N1-011527	P-TMSI Signature handling	NTT Software	24.008	GPRS	3.9.0	R99	F	496		CR			AGREED
N1-011528	P-TMSI Signature handling	NTT Software	24.008	GPRS	4.4.0	Rel-4	A	497		CR			AGREED
N1-011529	P-TMSI Signature handling	NTT Software	24.008	GPRS	5.1.0	Rel-5	A	498		CR			AGREED
N1-011530	E-Interface Protocol after Inter MSC Handover	Siemens	23.009	TEI4	4.2.0	Rel-4	C	053		CR			REJECTED
N1-011531	Usage of new TLLI at MS during delayed TBF	Nokia / Hannu		GPRS		R97				DISC			NOTED

	release procedure	Hietalahti										
N1-011532	QoS flows: GPRS only, Diff Serve in core network with SBLP	BT	24.228	IMS-CCR	1.5.0	Rel-5				CR	Related to 1504, N3 impacts.	REPLACED BY 1602
N1-011533	Interworking with TS 24.229 SIP	BT	24.229	IMS-CCR	0.6.0	Rel-5				CR		NOTED
N1-011534	Filtering Criteria and Service Points of Interest	Nokia/Bajkó Gábor	23.218	IMS-CCR	0.7.0	Rel-5				CR		NOTED
N1-011535	Correction on maximum transfer delay value in QoS IE	Nokia	24.008	QoS enhancements	3.9.0	R99	F	499		CR		AGREED
N1-011536	Correction on maximum transfer delay value in QoS IE	Nokia	24.008	QoS enhancements	4.4.0	Rel-4	A	500		CR		AGREED
N1-011537	Correction on maximum transfer delay value in QoS IE	Nokia	24.008	QoS enhancements	5.1.0	Rel-5	A	501		CR		AGREED
N1-011538	Move 24.228 flows which are not updated to Annex	Siemens / Georg Mayer	24.228	IMS-CCR	1.5.0	Rel-5				CR		REJECTED
N1-011539	Network initiated de-registration	Siemens / Georg Mayer	24.228	IMS-CCR	1.5.0	Rel-5				CR		Not available
N1-011540	Behavior of a B2BUA	Siemens / Georg Mayer	24.229	IMS-CCR	0.6.0	Rel-5				CR		WITHDRAWN
N1-011541	Stateful I-CSCF	Siemens / Georg Mayer								DISC		NOTED
N1-011542	Network initiated Re-Registration	Siemens / Georg Mayer	24.228	IMS-CCR	1.5.0	Rel-5				CR		Not available
N1-011543	Initial Notes for section 9 of 24.229	Siemens / Georg Mayer	24.229	IMS-CCR	0.6.0	Rel-5				CR		REVISED TO 1623
N1-011544	S-CSCF selection problems	Siemens / Georg Mayer								DISC	Linked to 1601	NOTED
N1-011545	CR to 24.228: I-CSCF Processing 100 Trying	Lucent Technologies / Xin Chen	24.228	IMS-CCR	1.5.0	Rel-5				CR		REJECTED
N1-011546	CR to 24.228: Tokenisation in hiding cases	Lucent Technologies / Xin Chen	24.228	IMS-CCR	1.5.0	Rel-5				DISCUSSION	Option 2 agreed.	AGREED
N1-011547	CR to 24.229: Transport mechanisms for SIP	Lucent Technologies / Keith Drage	24.229	IMS-CCR	0.6.0	Rel-5				CR		REJECTED
N1-011548	CR to 24.229: Editorial changes and technical alignment	Lucent Technologies / Keith Drage	24.229	IMS-CCR	0.6.0	Rel-5				CR		AGREED
N1-	CR to 24.229: URL and	Lucent	24.229	IMS-	0.	Rel-5				CR		REVISED

011549	address assignments in IM CN subsystem	Technologies / Keith Drage		CCR	6.0							TO 1624
N1-011550	CR to 24.229: Some proposals for procedures at the UE	Lucent Technologies / Keith Drage	24.229	IMS-CCR	0.6.0	Rel-5				CR		Not treated due to lack of time.
N1-011551	CR to 24.229: Some proposals for procedures at the P-CSCF	Lucent Technologies / Keith Drage	24.229	IMS-CCR	0.6.0	Rel-5				CR		Not treated due to lack of time.
N1-011552	CR to 24.229: Some proposals for procedures at the I-CSCF	Lucent Technologies / Keith Drage	24.229	IMS-CCR	0.6.0	Rel-5				CR		Not treated due to lack of time.
N1-011553	CR to 24.229: Some proposals for procedures at the S-CSCF	Lucent Technologies / Keith Drage	24.229	IMS-CCR	0.6.0	Rel-5				CR		REVISED TO 1626
N1-011554	CR to 24.229: Some proposals for procedures at the BGCF	Lucent Technologies / Keith Drage	24.229	IMS-CCR	0.6.0	Rel-5				CR		Not treated due to lack of time.
N1-011555	CR to 24.229: Some proposals for procedures at the MGCF	Lucent Technologies / Keith Drage	24.229	IMS-CCR	0.6.0	Rel-5				CR		Not treated due to lack of time.
N1-011556	Multicall bearer selection	Nokia	23.009	Multicall	3.8.0	R99	F	054		CR	Agreed conditionally to SA1 agreement on 22.129 in 1581 or later version	AGREED
N1-011557	Multicall bearer selection	Nokia	23.009	Multicall	4.2.0	Rel-4	F	055		CR	Agreed conditionally to SA1 agreement on 22.129 in 1581 or later version	AGREED
N1-011558	Transfer of P-CSCF address(es) within PDP context activation signalling	Nokia	24.008	IMS-CCS	5.1.0	Rel-5	B	502		CR		WITHDRAWN
N1-011559	Protocol on the E interface	Ericsson		Handover						DISC		NOTED
N1-011560	Usage of Location Reporting for Relocation and Inter-system Handover	Ericsson	23.009	Handover	3.8.0	R99		056		CR		WITHDRAWN
N1-011561	Usage of Location Reporting for Relocation and Inter-system	Ericsson	23.009	Handover	4.2.0	Rel-4		057		CR		WITHDRAWN

	Handover											
N1-011562	Support of the feature 'Intra domain connection of RAN nodes to multiple CN nodes'	Vodafone / Duncan Mills	24.007	IUFL EX	4.0.0	Rel-5	C	044		CR		REJECTE D
N1-011563	Support of the feature 'Intra domain connection of RAN nodes to multiple CN nodes'	Vodafone / Duncan Mills	24.008	IUFL EX	5.1.0	Rel-5	C	503		CR		WITHDR WN
N1-011564	Support of the feature 'Intra domain connection of RAN nodes to multiple CN nodes'	Vodafone / Duncan Mills	29.018	IUFL EX	4.1.0	Rel-5	C	021		CR		WITHDR WN
N1-011565	Introduction of Cell ID to SIP messages	Vodafone / Duncan Mills								Disc		Not available
N1-011566	CR to 23.218 Correction to use of term Application Server in OSA context	Lucent Technologies	23.218	IMS-CCR	0.7.0	Rel-5				CR		REVISED TO 1599
N1-011567	Dividing of work and responsibilities between CN1 and CN5 regarding MPCCS mappings to SIP	Lucent Technologies	23.218	IMS-CCR	0.7.0	Rel-5				DISC		NOTED
N1-011568	CR to 23.218 Additions to the OSA Specific sections on Session Handling with an OSA Service Capability Server	Lucent Technologies	23.218	IMS-CCR	0.7.0	Rel-5				CR		REVISED TO 1600
N1-011569	InterSystem IntraMSC-B Handover	Lucent Technologies / Alex Moukhale d		GSM/UMTS interworking						DISC		NOTED
N1-011570	CR to 24.228: A review of the editor's notes in clause 7.3 and 17.3	Lucent Technologies	24.228	IMS-CCR	1.5.0	Rel-5				CR		WITHDR WN
N1-011571	Linked to N(SD) CRs in 1453 and 1454	Robert Zaus								LS OUT	Linked to 1067.	WITHDR WN
N1-011572	LS to GERAN on WB-AMR Signalling	Inma C.								LS OUT	To: GERAN2, Linked to 1290	AGREED
N1-011573	Draft CR to 23.009 due to RRC changes in 44.018	GERAN/Nokia	23.009	Alignment of 3G functional split and lu.	4.2.0	Rel-5	B	058		CR		REJECTE D
N1-011574	Correction of the Reject cause when T6-1 expires	Motorola/Apostolis	09.18	GPRS	6.6.0	R97	F	A048	1	CR	Revised from 1463	AGREED
N1-011575	LS on Distributed Speech Recognition (DSR)	CN#13/S1								LS IN	NP-010415, To:S4, S2, T2, CN Forwarded from CN#13	NOTED
N1-	LS IN Answer to LS on	CN#13/S4								LS	NP-	NOTED

011576	Distributed Speech Recognition (DSR)									IN	010418, To:S1 Cc:S2, T2, CN Forwarded from CN#13	
N1-011577	Mobile terminated call with single numbering scheme	Nokia	24.008	TEI	3.9.0	R99	F	476	1	CR	Revised from 1446	WITHDRAWN
N1-011578	Mapping of NAS procedures to RRC Establishment Causes	Ericsson	24.008	GSM/UMTS Interworking	3.9.0	R99	F	485	1	CR	Revised from 1466	AGREED
N1-011579	Mapping of NAS procedures to RRC Establishment Causes	Ericsson	24.008	GSM/UMTS Interworking	4.4.0	Rel-4	A	486	1	CR	Revised from 1467	AGREED
N1-011580	Mapping of NAS procedures to RRC Establishment Causes	Ericsson	24.008	GSM/UMTS Interworking	5.1.0	Rel-5	A	487	1	CR	Revised from 1468	AGREED
N1-011581	Bearer selection criteria of calls in a multicall	Nokia	22.129	Multicall	3.5.0	R99	F			CR		NOTED
N1-011582	Package for subscription to registration state, non-hiding case	Ericsson	24.228	IMS-CCR	1.5.0	Rel-5				CR	Revised from 1500	AGREED
N1-011583	Package for subscription to registration state, hiding case	Ericsson	24.228	IMS-CCR	1.5.0	Rel-5				CR	Revised from 1501	AGREED
N1-011584	Registration procedures at P-CSCF	Nokia/Bajkó Gábor	24.229	IMS-CCR	0.7.0	Rel-5				CR	Revised from 1515	REJECTED
N1-011585	Re-registration requirements and use cases	Hutchison 3g	24.229	IMS-CCR	0.7.0	Rel-5				CR	Revised from 1448	AGREED
N1-011586	S-CSCF procedures in Network Initiated De-Registration case	Nokia/Kristian Kiss	24.229	IMS-CCR	0.7.0	Rel-5				CR	Revised from 1513	AGREED
N1-011587	CR to 24.228: Summary of changes proposed to 24.228 from editorial breakout sessions	Motorola, John O'Hare	24.228	IMS-CCR	1.5.0	Rel-5				CR		REVISED TO 1627
N1-011588	Extent of the specification work in 3GPP for IMS to IP interworking	N3/Siemens		IMS-CCR		Rel-5				DISCUSSION		NOTED
N1-011589	IMS to CS session cases to include in 29.163	N3/BT		IMS-CCR		Rel-5				DISCUSSION	This contribution will be seen in a future meeting	NOTED
N1-011590	Report of the Handover breakout meeting	Ericsson, Lucent, Nokia, Nortel, Siemens								REPORT		NOTED
N1-	Support of Emergency	Motorola	24.228	EMC1	1.	Rel-5				CR	Revised	AGREED

011591	Sessions	Andrew Allen		-PS	5.0							from 1525	
N1-011592	CR to 24.229: An analysis of the requirements for the Date header	Lucent Technologies / Keith Drage	24.229	IMS-CCR	0.6.0	Rel-5					CR	Revised from 1476	AGREED
N1-011593	List of possible contributions on minor issues in 24.228	IMS Break Out Meeting / Georg Mayer									DISC		Not treated due to lack of time.
N1-011594	LS to SA1 on Multicall handover requirements	Inma C.									LS OUT	To: SA1, Linked to 1556 and 1581.	AGREED
N1-011595	Usage of TMSI in Intra Domain Connection of RAN Nodes to Multiple CN Nodes	Ericsson/Zdravko	24.008	IUFL EX	5.1.0	Rel-5	C	493	1		CR	Revised from 1491	REVISED TO 1621
N1-011596	CR to 23.218 Addition of CAMEL Procedures to section 11	Lucent Technologies / Michel Grech	23.218	IMS-CCR	0.7.0	Rel-5					CR	Revised from 1480	AGREED
N1-011597	Editorial and Minor changes against TS 23.218	Motorola Andrew Allen	23.218	IMS-CCR	0.7.0	Rel-5					CR	Revised from 1526	AGREED
N1-011598	Proposal for text to the scope section in TS ab.cde	N3/Ericsson											AGREED
N1-011599	CR to 23.218 Correction to use of term Application Server in OSA context	Lucent Technologies	23.218	IMS-CCR	0.7.0	Rel-5					CR	Revised from 1566	AGREED
N1-011600	CR to 23.218 Additions to the OSA Specific sections on Session Handling with an OSA Service Capability Server	Lucent Technologies	23.218	IMS-CCR	0.7.0	Rel-5					CR	Revised from 1568	AGREED
N1-011601	Selection of S-CSCF by I-CSCF based on capability requirements	N4									LS OUT	Linked to 1544. N4-011188, LS OUT To: SA2, SA5 Cc: CN1 SA1	NOTED
N1-011602	QoS flows: GPRS only, Diff Serve in core network with and without SBLP support	Ericsson/BT	24.228	IMS-CCR		Rel-5					CR		AGREED
N1-011603	CR to 24.228: Cx interface interaction in registration	Lucent Technologies / Xin Chen	24.228	IMS-CCR	1.5.0	Rel-5					CR	Revised from 1481	AGREED
N1-011604	Handling of new/old TLLI in the network	Motorola/Apostolis	04.08	GPRS	7.13.0	R98	F	A1119			CR		AGREED
N1-011605	Correction of the Reject cause when T6-1 expires	Motorola/Apostolis	09.18	GPRS	7.4.0	R98	F	A049			CR		AGREED
N1-011606	CR to 24.228: Cx interface interaction in	Lucent Technolog	24.228	IMS-CCR	1.5.	Rel-5					CR	Revised from 1482	AGREED

	session initiation	ies / Xin Chen			0							
N1-011607	Correction of the criteria for the usage of combined RAU	Siemens	24.008	GPRS	3.9.0	R99	F	477	1	CR	Revised from 1455	AGREED
N1-011608	Correction of the criteria for the usage of combined RAU	Siemens	24.008	GPRS	4.4.0	Rel-4	A	478	1	CR	Revised from 1456	AGREED
N1-011609	Correction of the criteria for the usage of combined RAU	Siemens	24.008	GPRS	5.1.0	Rel-5	A	479	1	CR	Revised from 1457	AGREED
N1-011610	Use of Supported Codecs IE for all codec types	Nokia	24.008	AMR-WB	5.1.0	Rel-5	B	504		CR		REVISED TO 1622
N1-011611	P-CSCF processing for Mobile Terminating Calls	Ericsson	24.229	IMS-CCR	0.5.0	Rel-5				CR		AGREED
N1-011612	LS On the handling of the Protocol Configuration Options IE	N4								LS IN	N4-011217, To: N1	LS OUT i 1625 by Atle M.
N1-011613	Handling of new/old TLLI in the network	Motorola/Apostolis	24.008	GPRS	3.9.0	R99	A	505		CR		AGREED
N1-011614	Handling of new/old TLLI in the network	Motorola/Apostolis	24.008	GPRS	4.4.0	Rel-4	A	506		CR		AGREED
N1-011615	Handling of new/old TLLI in the network	Motorola/Apostolis	24.008	GPRS	5.1.0	Rel-5	A	507		CR		AGREED
N1-011616	PSTN-O flows update	Nokia/Bajkó Gábor	24.228	IMS-CCR	1.5.0	Rel-5				CR	Revised from 1510	AGREED
N1-011617	CN1 Terms of Reference	CN1 chairman								OTHER		WITHDRWN
N1-011618	Introduction of QoS Alternative IE	Motorola/Apostolis	24.008	QoS	5.1.0	Rel-5	B	484	1	CR	Revised from 1462. Agreed conditionally on the related 23.060 CR agreed in SA2	AGREED
N1-011619	LCS capability for GPRS	Ericsson	24.008	LCS	5.1.0	Rel-5	B	489	1	CR	Revised from 1486	Not available
N1-011620	Introduction of Source Statistics Descriptor	Nokia	24.008	QoS	5.1.0	Rel-5	B	458	3	CR	Revised from 1518	AGREED
N1-011621	Usage of TMSI in Intra Domain Connection of RAN Nodes to Multiple CN Nodes	Ericsson/Zdravko	24.008	IUFL EX	5.1.0	Rel-5	C	493	2	CR	Revised from 1595	AGREED
N1-011622	Use of Supported Codecs IE for all codec types	Nokia	24.008	AMR-WB	5.1.0	Rel-5	B	504	1	CR	Revised from 1610	REVISED TO 1628
N1-011623	Initial Notes for section 9 of 24.229	Siemens / Georg Mayer	24.229	IMS-CCR	0.6.0	Rel-5				CR	Revised from 1543	Not available
N1-	CR to 24.229: URL and	Lucent	24.229	IMS-	0.	Rel-5				CR	Revised	REVISED

011624	address assignments in IM CN subsystem	Technologies / Keith Drage		CCR	6.0						from 1549	TO 1629
N1-011625	Liaison Statement response on 'LS On the handling of the Protocol Configuration Options IE'	Atle M.							LS OUT		To: CN4, Linked to 1612	AGREED
N1-011626	CR to 24.229: Some proposals for procedures at the S-CSCF	Lucent Technologies / Keith Drage	24.229	IMS-CCR	0.6.0	Rel-5			CR		Revised from 1553	REJECTED
N1-011627	CR to 24.228v150: Summary of changes proposed to 24.228 from editorial breakout sessions (including detailed script and output 24.228v150)	Motorola, John O'Hare	24.228	IMS-CCR	1.5.0	Rel-5			CR		Revised from 1587	AGREED
N1-011628	Use of Supported Codecs IE for all codec types	Nokia	24.008	AMR-WB	5.1.0	Rel-5	B	504	2	CR	Revised from 1622	REJECTED
N1-011629	CR to 24.229: URL and address assignments in IM CN subsystem	Lucent Technologies / Keith Drage	24.229	IMS-CCR	0.6.0	Rel-5				CR	Revised from 1624	AGREED

Annex E Liaison Statements OUT

TDoc #	Status	Source	Tdoc Title	Type	Comments
N1-011594	AGREED	Inma C.	LS to SA1 on Multicall handover requirements	LS OUT	To: SA1, Linked to 1556 and 1581.
N1-011572	AGREED	Inma C.	LS to GERAN on WB-AMR Signalling	LS OUT	To: GERAN2, Linked to 1290
N1-011625	AGREED	Atle M.	Liaison Statement response on 'LS On the handling of the Protocol Configuration Options IE'	LS OUT	To: CN4, Linked to 1612

Annex F Aged Work Items

None

Annex G Agreed specifications (TS or TR)

None

Annex H List of CRs to N1 drafts

Spec	TDoc #	CR #	Rev	CAT	C_Version	Tdoc Title	Type	WI	Rel	Status
23.218	N1-011596				0.7.0	CR to 23.218 Addition of CAMEL Procedures to section	CR	IMS-CCR	Rel-5	AGREED

23.218	N1-011597				0.7.0	11 Editorial and Minor changes against TS 23.218	CR	IMS-CCR	Rel-5	AGREED
23.218	N1-011599				0.7.0	CR to 23.218 Correction to use of term Application Server in OSA context	CR	IMS-CCR	Rel-5	AGREED
23.218	N1-011600				0.7.0	CR to 23.218 Additions to the OSA Specific sections on Session Handling with an OSA Service Capability Server	CR	IMS-CCR	Rel-5	AGREED
Spec	TDoc #	CR #	Rev	CAT	C_Version	Tdoc Title	Type	WI	Rel	Status
24.228	N1-011475				1.5.0	CR to 24.228: General editorial issues	CR	IMS-CCR	Rel-5	AGREED
24.228	N1-011478				1.5.0	CR to 24.228: A review of the editor's notes in clause 7.3 and 17.3	CR	IMS-CCR	Rel-5	AGREED
24.228	N1-011493				1.5.0	CR to 24.228: Propose moving session establishment error procedures to main body (i.e. All of Annex A-2).	CR	IMS-CCR	Rel-5	AGREED
24.228	N1-011494				1.5.0	CR to 24.228: Propose moving session release procedures to main body (All of Annex A-5).	CR	IMS-CCR	Rel-5	AGREED
24.228	N1-011495				1.5.0	CR to 24.228: Consistent S-CSCF and P-CSCF notation where UE#2 is being served by the same network as UE#1	CR	IMS-CCR	Rel-5	AGREED
24.228	N1-011503				1.5.0	Use of SUBSCRIBE/NOTIFY for network initiated de-registration with hiding	CR	IMS-CCR	Rel-5	AGREED
24.228	N1-011509				1.5.0	PSTN-T flows update	CR	IMS-CCR	Rel-5	AGREED
24.228	N1-011582				1.5.0	Package for subscription to registration state, non-hiding case	CR	IMS-CCR	Rel-5	AGREED
24.228	N1-011583				1.5.0	Package for subscription to registration state, hiding case	CR	IMS-CCR	Rel-5	AGREED
24.228	N1-011591				1.5.0	Support of Emergency Sessions	CR	EMC1-PS	Rel-5	AGREED
24.228	N1-011602					QoS flows: GPRS only, Diff Serve in core network with and without SBLP support	CR	IMS-CCR	Rel-5	AGREED
24.228	N1-011603				1.5.0	CR to 24.228: Cx interface interaction in registration	CR	IMS-CCR	Rel-5	AGREED
24.228	N1-011606				1.5.0	CR to 24.228: Cx interface interaction in session initiation	CR	IMS-CCR	Rel-5	AGREED
24.228	N1-011616				1.5.0	PSTN-O flows update	CR	IMS-CCR	Rel-5	AGREED
24.228	N1-011627				1.5.0	CR to 24.228v150: Summary of changes proposed to 24.228 from editorial breakout sessions (including detailed script and output 24.228v150)	CR	IMS-CCR	Rel-5	AGREED
Spec	TDoc #	CR #	Rev	CAT	C_Version	Tdoc Title	Type	WI	Rel	Status
24.229	N1-011477				0.6.0	CR to 24.229: An analysis of the requirements for the Alert-Info header	CR	IMS-CCR	Rel-5	AGREED
24.229	N1-011479				0.6.0	CR to 24.229: Treatment of 1xx	CR	IMS-	Rel-	AGREED

					responses		CCR	5	
24.229	N1-011498			0.6.0	Erroneous text for I-CSCF in 24.229	CR	IMS-CCR	Rel-5	AGREED
24.229	N1-011523			0.6.0	Editorial correction to Support for SIP compression in TS 24.229	CR	IMS-CCR	Rel-5	AGREED
24.229	N1-011548			0.6.0	CR to 24.229: Editorial changes and technical alignment	CR	IMS-CCR	Rel-5	AGREED
24.229	N1-011585			0.7.0	Re-registration requirements and use cases	CR	IMS-CCR	Rel-5	AGREED
24.229	N1-011586			0.7.0	S-CSCF procedures in Network Initiated De-Registration case	CR	IMS-CCR	Rel-5	AGREED
24.229	N1-011592			0.6.0	CR to 24.229: An analysis of the requirements for the Date header	CR	IMS-CCR	Rel-5	AGREED
24.229	N1-011611			0.5.0	P-CSCF processing for Mobile Terminating Calls	CR	IMS-CCR	Rel-5	AGREED
24.229	N1-011629			0.6.0	CR to 24.229: URL and address assignments in IM CN subsystem	CR	IMS-CCR	Rel-5	AGREED