



DRAFT Version 1, 22.05.2001

Meeting Report TSG CN WG1# 17 Puerto Rico, USA 14 - 18 May 2001

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Secretary: Per Johan Jorgensen (MCC)

Host: North American friends of 3GPP

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Documents can be found on the 3GPP-server:

http://www.3gpp.org/ftp/tsg_cn/WG1_mm-cc-sm/TSGN1_17/Docs/

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1 Opening of the meeting. Approval of the agenda with allocated documents. Calls for IPRs

N1-010684 : CN1 chairman, Title: Agenda

Discussion : Stephen Hayes welcomed on behalf of the host and briefed on the logistics. This document will continue as a living document in the doc PuertoRico0105.rtf. Joint meeting will take place at 14:00 16/5 with CN2/3/4 (CN1 meeting points 8.1 and 8.2 where the other groups may participate).

Also a joint meeting CN3/S2 on QoS will take place 17/5 at 14:00 while S2+N1/2/3/4 meets for SIP+ on 17/5 at 18:00,- where CN1 delegates may participate.

IPR policies were referred to the document attached to 684.

Conclusion : *Agreed*

2 Reports

N1-010791 : CN1 chairman, Title: Minutes from SIP#04

Discussion : Provided for information. Current versions of the drafts have the outcome from the meeting already.

Conclusion : *Noted*

N1-010792 : MCC, Title: Minutes from TSG CN WG1# Ad Hoc, R99 old stuff

Discussion : The CRs 'agreed' from Helsinki AdHoc are forwarded, and will be quickly handled in agenda item 5.2 in the end of this week for possible quick agreement. Improvement of this minute is due to e-mail discussion ending 5 working days (25/5) after this meeting, if no comments have been received or left unresolved on the CN1 exploder,- with Per as mediator of the e-mail approval.

Conclusion : *For e-mail approval*

N1-010793 : MCC, Title: DRAFT STATUS REPORT v2.0.0 3GPP TSG-CN#11

Discussion : Provided for information. 1 CN1 CR that was approved erroneously to 23.122 in CN#11, will be solved with a CR to this meeting by Sophie.

Conclusion : *Noted*

N1-010794 : MCC, Title: Draft Report of TSG SA meeting #11, version 0.0.5

Discussion : Provided for information. To be noted is one new WID on emergency call in IMS without USIM that was approved.

Conclusion : *Noted*

3 Input Liaison Statements

N1-010502 : SA2 (S2-010757), Type: LS IN , Title: Reply LS for "IM User Identities"

Discussion : Seen in SIP#04. Outcome of that agreed: Private identity is permanently allocated for IM subscribers for Registration, Authorization, Administration and Accounting purposes. Authentication takes place during registration. No user registrations on behalf of other users are required for Rel-5. Proposal that INVITE should contain an identity which can be authenticated (i.e. private identity, or alternatively authenticating a public identity could also be considered)

Conclusion : *Noted*

N1-010503 : T3 (T3-010193), Type: LS IN , Title: LS for “IM Subsystem Address Storage on USIM”

Discussion : Seen in SIP#04. Outcome of that agreed: T3 say that storing a URL-like identity on USIM is feasible provided the amount of data to be stored is reasonable.

Conclusion: *Noted*

N1-010504 : SA2 (S2-010798r2), Type: LS IN , Title: Liaison Statement on IMS-Service Provision

Discussion : Seen in SIP#04. Outcome of that agreed. Goes to joint meeting in CN1#17. S2 has agreed to a single standardized protocol for the S-CSCF /Service Control interface,- to be detailed further in a new chapter in 23.228. The attachment was missing in this document but it has been already incorporated in 23.228 and can be reviewed there.

Conclusion: *Noted*

N1-010620: GERAN (GP-010847), Type: LS IN , Title: LS on 24.008 CR for classmark issues.

Discussion : Seen in the AdHoc meeting. 654/670/671 was not available at that time, and therefore new tdocs will be requested now. GERAN2 proposes clarifications to MS CM 1,2 and 3 and also functional modifications to the requirements for encoding the MS CM information. Defined settings of irrelevant fields in IE is needed for handover to GSM instead of the current encoding to something that is syntactically correct.

Conclusion: *LS OUT in 797 by Duncan*

N1-010649 : GERAN4 (G4-010221), Type: LS IN , Title: GPRS attach type in NMO I

Discussion : Seen in the AdHoc meeting. Revised LS OUT is available to this meeting. The clarification of attach types in combined procedures is returned to GERAN4.

Conclusion: *LS OUT in 718 by Arne*

N1-010686 : GERAN4 (G4-010330), Type: LS IN , Title: GPRS attach type in NMO I

Discussion : Is this the same as 649 ?

Conclusion: *Noted*

N1-010687 : GERAN2 (TSGG#03(01)0355), Type: LS IN , Title: Liaison statement: Introduction of release information in the MS Radio Access Capability IE in 3GPP TS 24.008

Discussion : The attached CR needs to be rewritten towards 24.008 v420. Addition of new Revision level indicator2 is questioned also by one originator. A liaison out is needed saying that this can not be done.

Conclusion: *LS OUT in 798 by Eiko*

N1-010688 : GERAN (TSGG#03(01)0386), Type: LS IN , Title: Proposed LS to TSG-T WG1 on cell selection timing.

Discussion : Does not affect CN1. It is stated that 23.122 does not set requirements for PLMN selection timing and that the requirements for idle mode timings and performance aspects originate from GERAN and RAN.

Conclusion: *Noted*

N1-010689 : GERAN2 (TSGG#03(01)0413), Type: LS IN , Title: Response to LS on Information about current status in RAN2 on the interactions between RRC and upper layers

Discussion : Has any CR been received to this meeting on the issue? To Sophia meeting (CN1#16) a 24.007 CR probably on this issue were agreed upon (tdoc 486). GERAN2 agrees that "Duplication avoidance protocol" in 04.18 chapter 3.1.4.3 is a core network function and that it should be moved to the CN1 24.008 specification.

Conclusion: *LS OUT in 799 by Francesco*

N1-010690 : GERAN2 (TSGG#03(01)00414), Type: LS IN , Title: LS on DL indication of the network interface

Discussion : GERAN 2 proposes that in Iu mode and in A/Gb mode the actual GERAN configuration behind the serving AN should be taken into account. What shall the MS do with this indication if received ?

Conclusion: Noted

N1-010691 : GERAN (GP-010453), Type: LS IN , Title: Removal of GPRS Network Operation Mode III

Discussion : NMO III is not to be removed.

Conclusion: Noted

N1-010692 : GERAN2 (GP-010943), Type: LS IN , Title: GERAN response to Geographic Shape restriction in LCS and a note on LCS Stage 2.

Discussion : Information to CN1 that text are added to 43.059 on the topic.

Conclusion: Noted

N1-010693 : GERAN4 (TSGG#4(01)0944), Type: LS IN , Title: Introduction of AMR-WB

Discussion : Co-ordinate the response with CN4 dealing with this during this week as well. GERAN recommends to use existing mechanisms for signalling of supported codecs, meaning BC IE works as before and introducing supported codecs for later releases. Linked with 764.

Conclusion: LS OUT in 800 by Rouzbeh and Inma

N1-010694 : GERAN (GP?010948), Type: LS IN , Title: Addition of UI Dummy command for Delayed TBF Release

Discussion : 44.060 is changed from 'dummy LLC PDU' to 'UI Dummy Command', using this to delay release of TBF. Postponed for checking a related document by Apostolis,- linked with 803.

Conclusion: Noted

N1-010695 : GERAN (GP-010977), Type: LS IN , Title: CR on 24.008 on Modulation based multislot capability

Discussion : A new CR towards latest version is needed, to indicate modulation multislot class into CM3 , but none seems available.

Conclusion: Noted

N1-010696 : GERAN (GP-010978), Type: LS IN , Title: Indication of Extended uplink TBF capability

Discussion : What about support of this feature (introduction of an extended uplink TBF mode in 44.060) for R97/R98 ? The support of the feature is optional for the mobile and an indication is needed in CM3 and RAC.If not supported in older specs, such modifications to older MSs should be avoided. The length needs to be checked for the RAC IE, including spare bits from older versions. The extra length will however be ignored by a MS following older version with shorter length. R97/98 is 'deep' frozen release. The CR need to be rewritten and separated.

Conclusion: LS OUT in 801 by Andrew

N1-010697 : GERAN4 (N1-010588), Type: LS IN , Title: LS on "Security for IM SIP session Signaling"

Discussion : N1/S2 joint meeting asks S3 for a joint meeting listing some issues.

Conclusion: Noted

N1-010698 : CN (NP-010211), Type: LS IN , Title: Deletion of WIs with impact on other TSGs

Discussion : TSGN #11 deleted work items because no contributions have been received:

- Service modification without pre-notification (WI code 1359);
- Circuit switched multimedia swap and fallback (WI code 1655);
- IWF at the edge (CN border) (WT 2205).

Conclusion: Noted

N1-010699 : R2 (R2-010750), Type: LS IN , Title: Response to LS (N1-001315) on Establishment and paging causes

Discussion : Linked with 770 and 772. Informing that CN1 does the mapping from upper layer causes to RRC establishment and paging.

Conclusion: Noted

N1-010700 : R2-010754, Type: LS IN , Title: LS on (Equivalent) "PLMN codes" terminology

Discussion : Action for CN1 Rapporteurs: CRs to align at least 24.008 and 23.122 with the agreement in SA1-CN1 joint meeting 8/5 to use the term PLMN identity.

Conclusion: Noted

N1-010765 : R2-010757, Type: LS IN , Title: LS on RRC connection release cause for Iu connection failure

Discussion : Was any decision made in the April meeting of R2 ? A new RRC connection release cause to identify such release at Iu establishment failure or Iu reset.

Conclusion: Noted

N1-010766 : R2-010981, Type: LS IN , Title: LS on THRESHOLD check at RRC connection establishment

Discussion : Need more information of what is requested by CN1, but R2 asks for clarification by S3 on the procedure for checking THRESHOLD and the deletion of keys if these are considered to be too old. It was mentioned that the threshold values were unclear, so a liaison stating the understanding of the procedure is correct.

Conclusion: LS OUT in 910 by Francesco

N1-010767 : R2-010984, Type: LS IN , Title: Response (to TSG-CN WG1) to LS (N1-010494) on RRC establish cause

Discussion : 727/728 is linked.

Conclusion: LS OUT in 813 by Francesco

N1-010768 : R2-010985, Type: LS IN , Title: Response to LS (N1-010485) on T3240 timer problem and correction proposals

Discussion : R2 confirms that MM request to release the signalling connection does not immediately cause local release, but only after peer-to-peer procedure to request the RNC to release the radio connection. Also a safeguard mechanism exists to allow the RNC to release the connection in case of MSC or RNC failure.

Conclusion: Noted

N1-010769 : R3-010218, Type: LS IN , Title: Response to LS (N1-001407) on "Behaviour in the Forward Handover Scenario without an Iur in Release 99"

Discussion : No CN1 impact.

Conclusion: Noted

N1-010770 : R3#18(01)0279, Type: LS IN , Title: Response to LS on Information about current status in RAN2 on the interactions between RRC and upper layers

Discussion : 699/772 are linked. Is paging cause "cause unknown" needed (see 699)? Besides this R3 asks to be informed in case the listed approved paging causes is not what is needed from RANAP.

Conclusion: Noted

N1-010771 : R3#18(01)0305, Type: LS IN , Title: Response to LS - UTRAN Initiated RAB Renegotiation/Reconfiguration

Discussion : Does CN1 foresee RAB parameters negotiation at call set-up only or also later during the call? More information is needed on the procedure that R3 is planning to use for RAB negotiation. For non transparent data the RNC can already change the bit rate during the call. And for transparent data and speech it is not possible to change the data rate.

Conclusion: LS OUT in 814 by Apostolis

N1-010772 : R3#18(01)0312, Type: LS IN , Title: Response Liaison on the usage of Paging Cause IE in a Paging message

Discussion : Linked with 699/770. R3 reply to CN1 LS in N1-001315 on the usage of Paging Cause IE in a RANAP Paging message. CN1 requested RAN 3 to study the possibility of changing the presence of this IE to conditional.

RAN 3 has studied the issue and reached the conclusion that the current version of RANAP protocol copes with the preconditions given by CN1.

Conclusion: Noted

N1-010773 : R3#19(01) 0890, Type: LS IN , Title: Response to LSs related to optimised IP speech and header removal support in GERAN

Discussion : R3 informs that it has no plans to deploy header removal in UTRAN. Also R3 points out that the bearers used in UTRAN are designed generic, i.e. there is no certain bearer type for a particular service (e.g. for a certain speech codec), and that it is possible to define the SDU size explicitly for each used subflow to support different services.

Conclusion: Noted

N1-010774 : R3#19(01)0953, Type: LS IN , Title: LS on NAS messages maximum length

Discussion : The answer is Yes. R3 had spotted an inconsistency between RRC and RANAP specification and before correcting it they would like confirmation that no NAS message exceeds 4095 octets.

Conclusion: LS OUT in 815 by Apstolis

N1-010775 : S1 (01) 0271, Type: LS IN , Title: LS on basic and advanced services examples

Discussion : 10 pages LS makes it postponed for people to study it more. This was not presented in depth and therefore not treated properly.

Conclusion: Noted

N1-010776 : S2-010705, Type: LS IN , Title: Response to LS on Routeing Parameter in the Initial Direct Transfer message

Discussion : Coding of NAS routeing parameter is an open issue for CN1, and schedule is SA#13 meaning CR(s) on Iu flexibility workitem are needed for CN1#19 meeting .

Conclusion: Noted

N1-010777 : S2-010717, Type: LS IN , Title: Proposed Reply LS on Joint Mobility Management session for GERAN

Discussion : The joint meeting took place in April.

Conclusion: Noted

N1-010778 : S3-010099, Type: LS IN , Title: TR 31.900 - SIM/USIM Internal and External Interworking Aspects

Discussion : R99+ ME with a USIM inserted and attached to a UTRAN shall only participate in UMTS AKA and shall not participate in GSM AKA,- is that disputable within 24.008 ? It was never the intention of SA3 to allow a 3G ME to respond to 2G authentication if 3G USIM is available. 2G authentication was intended to be the fallback and not allowed in UTRAN. This was the working assumption as well in CN1. Check the text on fallback cases to see if alignment is needed. 785 might be related to this,- it's the trigger document. Seems to be agreement with S3, and a reply may be needed after checking the text in CN1.

Conclusion: Noted

N1-010779 : S3-010133, Type: LS IN , Title: UE functionality split over physical devices

Discussion : Linked with 789. S3 agrees that the scenarios presented in the initial T2 document raises security concerns, but more study is needed.

Conclusion: Noted

N1-010780 : S3z010060, Type: LS IN , Title: Reply LS on Security implications of supporting "hiding"

Discussion : S3 reply to CN1 LS in N1-010268 containing the attached N1-010267 on 24.228 about path header and network topology hiding. S3 acknowledges that the solutions CN1 presents have security implications and requests the interested companies to raise contributions on this issue.

Conclusion: Noted

N1-010781 : S4-(01)0123, Type: LS IN , Title: LS answer on support of DTX and No_Data frames.

Discussion : No impact.

Conclusion: Noted

N1-010782 : S4-(01)0126, Type: LS IN , Title: LS on RAB Assignment and QoS Negotiation

Discussion : S4 could not come to a conclusion on that topic and would like to propose to postpone the issue to REL-5.

Conclusion: Noted

N1-010783 : S4-010243, Type: LS IN , Title: LS Reply on Codec Type UMTS_AMR_2

Discussion : Modifying UMTS_AMR to match exactly UMTS_AMR_2 characteristics would have been the ideal choice. But as it is too late to do this in R99 it seems appropriate to introduce an additional Codec Type UMTS_AMR_2 in 3G TS 26.103 and 3G TS 28.062. Since both Codec Types are almost identical it is proposed that only one of the two is included by the core network in the Codec Lists, to avoid duplication of configuration parameters. The UMTS_AMR_2 shall be the preferred one, and UMTS_AMR shall be selected only if UMTS_AMR_2 is not available (i.e. R99 UMTS_only terminals).UMTS_AMR_2 shall be a mandatory Codec Type in all UEs from REL 4 onwards.

Conclusion: Noted

N1-010784 : S4-(01)0270, Type: LS IN , Title: LS on TSG-SA4 request for information with regard to the applicable residual (undetected) bit error ratios for radio bearers that should carry RTP/UDP/IP packets compressed with ROHC

Discussion : S4 would like to request information on the range of residual bit error rates for RTP payloads when carried over radio bearers that carry RTP/UDP/IP packets compressed with ROHC, but this LS is only copy to CN1.

Conclusion: Noted

N1-010785 : T3-010109, Type: LS IN , Title: TR 31.900 - SIM/USIM Internal and External Interworking Aspects

Discussion : T3 has drafted a technical report TR 31.900 on SIM/USIM internal and external interworking aspects. It describes the different cases of interaction between a GSM-SIM or a 3G-UICC and a GSM or 3G ME with a special focus on the diverse scenarios that can apply in a mixed 2G/3G network environment. Since this LS is well over time the review of the TR and invitation to their meeting is history.

Conclusion: Noted

N1-010786 : T3-010245, Type: LS IN , Title: Introduction of features from the CPHS for 3G Rel-4

Discussion : No impact.

Conclusion: Noted

N1-010787 : T3-010232, Type: LS IN , Title: Enhancement of CPHS Network Operator Name Feature for 3G Rel-4

Discussion : T3 responds that they have followed the recommendations given by CN1 in N1-010208.

Conclusion: Noted

N1-010788 : T3-010245, Type: LS IN , Title: GPRS operator preferences for 3G Rel-4

Discussion : T3 have identified a requirement for a data field within the USIM application for the setting of GPRS parameters, which is defined in the attached 31.102 CR.

Conclusion: Noted

N1-010789 : T3-010250, Type: LS IN , Title: Response to LS (T2-000793) on discussion document on UE functionality split over physical devices

Discussion : Linked with 779. T3 share T2's understanding of the car pooling scenario that was circulated by T2. T3 have identified subscription related issues which they are studying and believe that security and architecture would be impacted also.

Conclusion: Noted

N1-010796 : T3-010379, Type: LS IN , Title: Rejection of 2G Authentication and Key Agreement by 3G ME with USIM in UTRAN

Discussion : There is a requirement in 3G TS 33.102, section 6.8.1.4, that a "R99+ ME with a USIM inserted and attached to a UTRAN shall only participate in UMTS AKA and shall not participate in GSM AKA." CN1 to check its specification.

Conclusion: Noted

N1-010842 : S1-010518,, Type: LS IN , Title: Request for information from GSM Europe on 3 digit MNC

Discussion : What are the system implications if one of the following two scenarios is implemented:

- 1 mixture of 2 and 3 digit MNC following the same MCC
- 2 assignment of a new MCC to each country to be followed by a 3 digit MNC.

SA1 would like to invite CN1 to evaluate the contribution, inform S1 if other TSGs need to be involved in this assessment and prepare a response, based on the expertise of the group. CN1 has a history on this so some old docs could be used as base for the reply in doc 867

Conclusion: LS OUT in 867 by Andrew

N1-010843 : S1-010544, Type: LS IN , Title: LS on (Equivalent) "PLMN identity" terminology

Discussion : SA1 and CN1 studied the proposal during a joint ad hoc on network selection and decided that the correct term to refer to a MCC+MNC combination is **PLMN identity**. CN1 rapporteurs to check their specifications.

Conclusion: Noted

N1-010844 : S1-010569, Type: LS IN , Title: LS on "IM CN Subsystem Roaming"

Discussion : SA1 does not have any requirements at all related to roaming agreements, as these are commercial agreements between operators. S1 should be informed that roaming requires PDP contexts and use of resources, so somebody needs to pay for that.

Conclusion: Noted

N1-010845 : S1-010575, Type: LS IN , Title: Liaison Statement on UE Functionality Split

Discussion : No CN1 impact.

Conclusion: Noted

4 Work Plan for TSGN WG1

N1-010790 : MCC, Title: Report on specifications under N1 responsibility

Discussion : TR 23.814 and 23.972 to be R99 only ? 23.972 had open issues and was limited to Rel-4, so any new Rel-5 contributions need new WID anyway. Agreed to leave these 2 TRs to R99 and not lift them to v4.0.0. Hannu takes this to CN#12 in his status report.

Any change to rapporteurs listed in 790 must be reported back to MCC. Eg. if not agreed to the rapporteurs stated now in the specification database, the company or person listed in 790 should use the e-mail exploder or bring the issue to the next N1 meeting.

Conclusion : Agreed to end TR 23.814 and TR 23.972 as respectively v3.1.0 and v.3.0.0 (ie no Rel-4 versions).

N1-010795 : MCC, Title: Latest 3GPP workplan modified with N1 issues

Discussion : 1281, check out the status.

1296, no CN1 requirements yet, is that correct ?

1653, correct the deadline to equal the IMS (end of the year), same with 1646

1656, target date to september plenary with indication of half completion rate

1180, what is the status,? Remains the architecture decision on RNC/BSC ?

1658, 1545, 1551, 1659, is for CN1 but CN1 needs to be told what to do ? After next plenary?

1660, is for another WG (3?)

2231, ASCII 100% completed and no other work known. Meaning 2230 is also 100% completed

2248, waiting for SA2 direction, corresponding 2243 is marked for the December plenary

Conclusion : Noted

5 Maintenance of R98 and older releases

5.1 Corrections

N1-010806 : 04.08v6.14.0 CR#A1105 Duncan Mills / Vodafone, Type: CR Title: Handling of LOCATION UPDATE REJECT by Mobile Stations

Discussion : If it is a problem it would be good to have these CRs agreed now and reopened during the week if necessary? Is only the CS attach section effected, or every occurrence of reject cause #3 or #6 effected ? The wording seems to make the SIM values invalid for non-GPRS in an inconsistent way. Also for Service reject and other specification parts (eg for GPRS ?), the wording should be similar for same expected behavior of the MS. #3 and #6 should make the MS invalid regardless of how it was received. Why these changes now for R97/R98 ? MS may be attempted to try the other domain, where it should most likely get the same rejection. A proposal is to look at only the CS part (all sections affected), but not mandatory for R97/R98. R99 was discussed lengthly if it should be mandatory or not, and no clear outcome.

Conclusion : Revised to 857

N1-010857 : 04.08v6.14.0 CR#A1105r1 Duncan Mills / Vodafone, Type: CR Title: Handling of LOCATION UPDATE REJECT by Mobile Stations

Discussion : Gs interface could become assymmetric making MSC to inform SGSN on the cause value but not vice versa. For R97 and R98 more checking seems needed.

Conclusion : Rejected

N1-010807 : 04.08v7.11.0 CR#A1107 Duncan Mills / Vodafone, Type: CR Title: Handling of LOCATION UPDATE REJECT by Mobile Stations

Discussion :

Conclusion : Revised to 858

N1-010858 : 04.08v7.11.0 CR#A1107r1 Duncan Mills / Vodafone, Type: CR Title: Handling of LOCATION UPDATE REJECT by Mobile Stations

Discussion :

Conclusion : Rejected

N1-010808 : 24.008v3.7.0 CR#420 Duncan Mills / Vodafone, Type: CR Title: Handling of LOCATION UPDATE REJECT by Mobile Stations

Discussion :

Conclusion : Revised to 859

N1-010859 : 24.008v3.7.0 CR#420r1 Duncan Mills / Vodafone, Type: CR Title: Handling of LOCATION UPDATE REJECT by Mobile Stations

Discussion : Treated as cat F to be done since R97/R98 is not agreed on.

Conclusion : Agreed

N1-010809 : 24.008v4.2.0 CR#421 Duncan Mills / Vodafone, Type: CR Title: Handling of LOCATION UPDATE REJECT by Mobile Stations

Discussion :

Conclusion : Revised to 860

N1-010860 : 24.008v4.2.0 CR#421r1 Duncan Mills / Vodafone, Type: CR Title: Handling of LOCATION UPDATE REJECT by Mobile Stations

Discussion :

Conclusion : Agreed

N1-010880 : 04.08v7.11.0 Peng/ Qualcomm, Type: CR Title: Modification to MS's MM states to enable LCS signalling on RR layer

Discussion :

Conclusion : Withdrawn

N1-010899 : 24.008v4.2.0 CR#424 Ericsson, Type: CR Title: Default Codec For UMTS & GSM dual systems

Discussion : Late arrival document that was asked for more time to be studied.

Conclusion : Rejected

5.2 CRs proposed by CN1 R99 old stuff ad hoc meeting

N1-010593 : 04.08v6.14.0 CR#A1093, Nokia, Type: CR, Title: Missing SM cause 40 in table 10.6.6

Discussion :

Conclusion : Agreed

N1-010594 : 04.08v7.11.0 CR#A1095, Nokia, Type: CR , Title: Missing SM cause 40 in table 10.6.6

Discussion :

Conclusion : Agreed

N1-010595 : 24.008v370 CR#393, Nokia, Type: CR , Title: Missing SM cause 40 in table 10.6.6

Discussion :

Conclusion : Agreed

N1-010596 : 24.008v420 CR394, Nokia, Type: CR , Title: Missing SM cause 40 in table 10.6.6

Discussion :

Conclusion : Agreed

N1-010598 : 23.009v360 CR#025, Nokia, Type: CR , Title: Indication of Intra MSC handover from 3G_MSC-B to MSC-A/3G_MSC-A

Discussion : Merged with the new tdoc 831. Was linked with 725, the SDL part of the CR.

Conclusion : Rejected

N1-010599 : 23.009v400 CR#027, Nokia, Type: CR , Title: Indication of Intra MSC handover from 3G_MSC-B to MSC-A/3G_MSC-A

Discussion : Merged with the new tdoc 832. Was linked with 726, the SDL part of the CR.

Conclusion : Rejected

N1-010615 : 24.008v370 CR#399, Telia AB, Type: CR, Title: Stored list of equivalent PLMNs and error/abnormal cases

Discussion : Agreed

Conclusion :

N1-010616 : 24.008v420 CR#400, Telia AB, Type: CR, Title: Stored list of equivalent PLMNs and error/abnormal cases

Discussion : Agreed

Conclusion :

N1-010627 : 04.08v7.11.0 CR#A1071, Siemens, Type: CR, Title: Length of User-user IE

Discussion :

Conclusion : Agreed

N1-010662 : 24.008v420 CR#333r2, Siemens, Type: CR, Title: Length of User-user IE

Discussion :

Conclusion : Agreed

N1-010663 : 24.008v370 CR#332r2, Siemens, Type: CR, Title: Length of User-user IE

Discussion :

Conclusion : Agreed

N1-010666 : 24.008v370 CR#397r1, Nokia, Type: CR , Title: Clarification to REQUEST PDP CONTEXT ACTIVATION

Discussion :

Conclusion : Agreed

N1-010667 : 24.008v420 CR#398r1, Nokia, Type: CR , Title: Clarification to REQUEST PDP CONTEXT ACTIVATION

Discussion :

Conclusion : Agreed

N1-010668 : 23.122v360 CR#023r1, Telia AB, Type: CR, Title: Stored list of equivalent PLMNs and error/abnormal cases

Discussion :

Conclusion : Agreed

N1-010669 : 23.122v400 CR#024r1, Telia AB, Type: CR, Title: Stored list of equivalent PLMNs and error/abnormal cases

Discussion :

Conclusion : Agreed

N1-010675 : 23.122v360 CR#026r1, Ericsson, Type: CR, Title: Corrections and clarifications to PLMN Selection

Discussion :

Conclusion : Agreed

N1-010676 : 23.122v400 CR#027r1, Ericsson, Type: CR, Title: Corrections and clarifications to PLMN Selection

Discussion :

Conclusion : Agreed

N1-010677 : 04.08v6.14.0 CR#A1099r2, Qualcomm, Type: CR, Title: Clarification of Network Initiated GPRS Detach Procedure

Discussion : Agreed

Conclusion :

N1-010678 : 04.08v7.11.0 CR#A1101r2, Qualcomm, Type: CR, Title: Clarification of Network Initiated GPRS Detach Procedure

Discussion : Agreed

Conclusion :

N1-010679 : 24.008v370 CR#405r2, Qualcomm, Type: CR, Title: Clarification of Network Initiated GPRS Detach Procedure

Discussion :

Conclusion : Agreed

N1-010680 : 24.008v420 CR#411r2, Qualcomm, Type: CR, Title: Clarification of Network Initiated GPRS Detach Procedure

Discussion :

Conclusion : Agreed

N1-010681 : 04.08v7.11.0 CR#A1097r2, Nokia/Siemens, Type: CR, Title: Modification to MS's MM states to enable LCS signalling on RR layer

Discussion : Mirror CRs are in 840 and 841.

Conclusion : Agreed

6 Maintenance of Release 99

6.1 R99 corrections

N1-010717 : 23.009v360 CR#036, Siemens, Type: CR , Title: Usage of Location Reporting for Relocation and inter-system handover

Discussion : Before MSC-A can start the reporting procedure it needs some information. These additional changes to CR#15 do require the implementation according to one or the other CR. This CR might require SDL updates. The new cause is for the case of a positive acknowledgement without a SA ID.

Conclusion : *Rejected*

N1-010719 : 24.008v370 CR#417, Ericsson, Type: CR , Title: The priority in the CALL PROCEEDING message for eMLPP supporting network

Discussion : Which document has been modified in which CN4 meeting defining the new requirement? In November in 23.067. More time during this meeting needed for checking. Rewording the note for clarity.

Conclusion : *Revised to 828*

N1-010828 : 24.008v370 CR#417r1, Ericsson, Type: CR , Title: The priority in the CALL PROCEEDING message for eMLPP supporting network

Discussion : Revision of 719. Editorials.

Conclusion : *Revised to 916*

N1-010916 : 24.008v370 CR#417r2, Ericsson, Type: CR , Title: The priority in the CALL PROCEEDING message for eMLPP supporting network

Discussion :

Conclusion : *Agreed*

N1-010720 : 24.008v420 CR#418, Ericsson, Type: CR , Title: The priority in the CALL PROCEEDING message for eMLPP supporting network

Discussion :

Conclusion : *Revised to 829*

N1-010829 : 24.008v420 CR#418r1, Ericsson, Type: CR , Title: The priority in the CALL PROCEEDING message for eMLPP supporting network

Discussion : Revision of 720. Editorials.

Conclusion : *Revised to 917*

N1-010917 : 24.008v420 CR#418r2, Ericsson, Type: CR , Title: The priority in the CALL PROCEEDING message for eMLPP supporting network

Discussion :

Conclusion : *Agreed*

N1-010721 : 24.008v370 CR#415r1, Hutchison3g, Type: CR , Title: Partial Roaming - restriction by location area

Discussion : Clarification of the MS behavior at cell selection needed,- to RAN groups ? This CR applies to both CS and PS domain. Operators awareness of the use of this cause value #15 controlled by single RA technology, was raised as a must. Renaming the #15.

Conclusion : *Revised to 833*

N1-010833 : 24.008v370 CR#415r2, Hutchison3g, Type: CR , Title: Partial Roaming - restriction by location area

Discussion : The new cause value name is 'No Suitable Cells In Location Area'. 08.08 and 48.008 deals with the handover. Is this now sufficiently distinctive towards #12,- which is not to be changed ? Proposal to have a note saying what #12 does not do. The name seems sufficient. #13 is also unclearly described in annex G2.

Conclusion : *Revised to 861*

N1-010861 : 24.008v370 CR#415r3, Hutchison3g, Type: CR , Title: Partial Roaming - restriction by location area

Discussion :

Conclusion : Agreed

N1-010722 : 24.008v420 CR#416, Hutchison3g, Type: CR , Title: Partial Roaming - restriction by location area

Discussion :

Conclusion : Revised to 834

N1-010834 : 24.008v420 CR#416r1, Hutchison3g, Type: CR , Title: Partial Roaming - restriction by location area

Discussion :

Conclusion : Revised to 862

N1-010862 : 24.008v420 CR#416r2, Hutchison3g, Type: CR , Title: Partial Roaming - restriction by location area

Discussion :

Conclusion : Agreed

N1-010723 : 23.122v360 CR#029, Hutchison3g, Type: CR , Title: Partial Roaming - restriction by location area

Discussion : The figure 3 needs to be included as well.

Conclusion : Revised to 835

N1-010835 : 23.122v360 CR#029r1, Hutchison3g, Type: CR , Title: Partial Roaming - restriction by location area

Discussion : The new cause value name is 'No Suitable Cells In Location Area'. The picture is written with Power Point, and must be provided with the proper SDL tool. Move the modification to paragraph 3.2 or 3.4 or....4 ?

Conclusion : Revised to 863

N1-010863 : 23.122v360 CR#029r2, Hutchison3g, Type: CR , Title: Partial Roaming - restriction by location area

Discussion : Insert 'suitable' in the search of cell.

Conclusion : Revised to 918

N1-010918 : 23.122v360 CR#029r3, Hutchison3g, Type: CR , Title: Partial Roaming - restriction by location area

Discussion :

Conclusion : Agreed

N1-010724 : 23.122v400 CR#030, Hutchison3g, Type: CR , Title: Partial Roaming - restriction by location area

Discussion :

Conclusion : Revised to 836

N1-010836 : 23.122v400 CR#030r1, Hutchison3g, Type: CR , Title: Partial Roaming - restriction by location area

Discussion :

Conclusion : Revised to 864

N1-010864 : 23.122v400 CR#030r2, Hutchison3g, Type: CR , Title: Partial Roaming - restriction by location area

Discussion :

Conclusion : Revised to 919

N1-010919 : 23.122v400 CR#030r3, Hutchison3g, Type: CR , Title: Partial Roaming - restriction by location area

Discussion :

Conclusion : Agreed

N1-010725 : 23.009v360 CR#034, Nokia, Type: CR, Title: Indication of Intra MSC handover from 3G_MSC-B to MSC-A/3G_MSC-A

Discussion : Linked with CRs forwarded from Helsinki AdHoc,- 598 for the text part.

Conclusion : Revised to831

N1-010831 : 23.009v360 CR#034r1, Nokia, Type: CR, Title: Indication of Intra MSC handover from 3G_MSC-B to MSC-A/3G_MSC-A

Discussion :

Conclusion : Revised to 871

N1-010871 : 23.009v360 CR#034r2, Nokia, Type: CR, Title: Indication of Intra MSC handover from 3G_MSC-B to MSC-A/3G_MSC-A

Discussion :

Conclusion : Revised to 913

N1-010913 : 23.009v360 CR#034r3, Nokia, Type: CR, Title: Indication of Intra MSC handover from 3G_MSC-B to MSC-A/3G_MSC-A

Discussion :

Conclusion : Agreed

N1-010726 : 23.009v400 CR#035, Nokia, Type: CR, Title: Indication of Intra MSC handover from 3G_MSC-B to MSC-A/3G_MSC-A

Discussion : Linked with CRs forwarded from Helsinki AdHoc,- 599 for the text part.

Conclusion : Revised to832

N1-010832 : 23.009v400 CR#035r1, Nokia, Type: CR, Title: Indication of Intra MSC handover from 3G_MSC-B to MSC-A/3G_MSC-A

Discussion :

Conclusion : Revised to 872

N1-010872 : 23.009v400 CR#035r2, Nokia, Type: CR, Title: Indication of Intra MSC handover from 3G_MSC-B to MSC-A/3G_MSC-A

Discussion :

Conclusion : Revised to 914

N1-010914 : 23.009v400 CR#035r3, Nokia, Type: CR, Title: Indication of Intra MSC handover from 3G_MSC-B to MSC-A/3G_MSC-A

Discussion :

Conclusion : Agreed

N1-010727 : 24.008v370 CR#412r2, Ericsson, Type: CR, Title: Mapping of NAS procedures to RRC Establishment causes

Discussion : Secondary PDP context was an issue for clarification.

Conclusion : Revised to 868

N1-010868 : 24.008v370 CR#412r3, Ericsson, Type: CR, Title: Mapping of NAS procedures to RRC Establishment causes

Discussion : If the CRs are not approved a LS is needed to be sent to R2. A preference to change the 'Reason for change in bullet 2, and eg. Explain what is the most demanding RAB.

Conclusion : *Rejected and LS OUT in 911 by Francesco*

N1-010728 : 24.008v420 CR#413r2, Ericsson, Type: CR, Title: Mapping of NAS procedures to RRC Establishment causes

Discussion :

Conclusion : *Revised to 869*

N1-010869 : 24.008v420 CR#413r3, Ericsson, Type: CR, Title: Mapping of NAS procedures to RRC Establishment causes

Discussion :

Conclusion : *Rejected and LS OUT in 911 by Francesco*

N1-010731 : Siemens, Type: DISCUSSION, Title: Replacement of references for DTMF in TS 23.014 and 24.008

Discussion : The topic was discussed in Helsinki adhoc. Comparison of the old ETSI TR and the new ES regarding DTMF tones. Currently 23.014 and 24.008 refer to the old TR but the requirements of the new standard do not map to the old ones in a very straightforward manner. R99 version of the CR is attached and will be provided in August CN1#19 for approval, and by then companies should have formed an opinion,- also for Rel-4.

Conclusion : *Noted*

N1-010763 : Lucent, Type: INFO, Title: Adding New Definitions to 21.905

Discussion : Lucent proposal for a possible LS OUT. SA1 definitions is not in line with the ones used in 24.008. The 'new' R99 definition would require many changes to 24.008. But modifications are needed on the 2 definitions 'In A/Gb mode' and 'In Iu mode' for Rel-5. The principal of adding the terms to 21.905 was well received. The doc is therefore not agreeable.

Conclusion : *Rejected*

N1-010810 : 24.008v370 CR#402r1, Vodafone, Type: CR, Title: Mapping of NAS procedures to RRC Establishment causes

Discussion :

Conclusion : *Revised to 837*

N1-010837 : 24.008v370 CR#402r2, Vodafone, Type: CR, Title: Mapping of NAS procedures to RRC Establishment causes

Discussion :

Conclusion : *Agreed*

N1-010811 : 24.008v420 CR#403r1, Vodafone, Type: CR, Title: Mapping of NAS procedures to RRC Establishment causes

Discussion :

Conclusion : *Revised to 838*

N1-010838 : 24.008v420 CR#403r2, Vodafone, Type: CR, Title: Mapping of NAS procedures to RRC Establishment causes

Discussion :

Conclusion : *Agreed*

N1-010816 : 23.009v360 CR#028r1, Nokia, Type: CR, Title: Priority selection criteria of calls in a multicall

Discussion : Linked with 816, 817, 826, 827 and 732. Proposal to approve on the issue now, but the related contribution in 826 and 827 must be looked into first. Nothing to liaison in 732 unless there is a decision on the issue. Proposal to bring 2 sets to the plenary with a LS for the reason and way forward.

Conclusion : *Conditionally agreed. Depending R3 answer to 870, the set 816/817 or 826/827 is agreed, and the set is 'critical' input to CN#12*

N1-010817 : 23.009v400 CR#029r1, Nokia, Type: CR, Title: Priority selection criteria of calls in a multicall

Discussion :

Conclusion : *Conditionally agreed. Depending R3 answer to 870, the set 816/817 or 826/827 is agreed, and the set is 'critical' input to CN#12*

N1-010819 : 23.122v360 CR#031, France Telecom, Type: CR, Title: Removal of Requirement of priority on High Quality Signal cell concerning Acceptable cell (for limited service as emergency call)' from 23.122

Discussion : Agreed with the comment that the CR affects ME.

Conclusion : *Agreed*

N1-010820 : 23.122v400 CR#032, France Telecom, Type: CR, Title: Removal of Requirement of priority on High Quality Signal cell concerning Acceptable cell (for limited service as emergency call)' from 23.122

Discussion : Agreed with the comment that the CR affects ME

Conclusion : *Agreed*

N1-010821 : 23.122v360 CR#033, France Telecom, Type: CR, Title: Alignment with stage 1 specification on PLMN background search

Discussion : Agreed with two comments: The change affects ME, and the appropriate box need to be ticked on the cover page. Also, one line of text under subclause 4.4.3.3 is in red in the reference specification and CN1 asks Per to correct also that when implementing the CR.

Conclusion : *Agreed*

N1-010822 : 23.122v400 CR#034, France Telecom, Type: CR, Title: Alignment with stage 1 specification on PLMN background search

Discussion : Agreed with two comments: The change affects ME, and the appropriate box need to be ticked on the cover page. Also, one line of text under subclause 4.4.3.3 is in red in the reference specification and CN1 asks Per to correct also that when implementing the CR.

Conclusion : *Agreed*

N1-010823 : 24.008v370 CR#395r2, Nokia, Type: CR, Title: Modification to MS's MM states to enable LCS

Discussion : No change in text from 681 related CR to which this one is a mirror CR, meaning this is now applicable for UMTS also.

Conclusion : *Revised to 840*

N1-010840 : 24.008v370 CR#395r3, Nokia, Type: CR, Title: Modification to MS's MM states to enable LCS

Discussion : Mirror CR of 861.

Conclusion : *Agreed*

N1-010824 : 24.008v420 CR#396r2, Nokia, Type: CR, Title: Modification to MS's MM states to enable LCS

Discussion : No change in text from 681 related CR to which this one is a mirror CR, meaning this is now applicable for UMTS also.

Conclusion : *Revised to 841*

N1-010841 : 24.008v420 CR#396r3, Nokia, Type: CR, Title: Modification to MS's MM states to enable LCS

Discussion : No change in text from 681 related CR to which this one is a mirror CR, meaning this is now applicable for UMTS also. Mirror CR of 861.

Conclusion : *Agreed*

N1-010825 : 23.009v400 CR#037, Siemens, Type: CR, Title: Usage of Location Reporting for Relocation and inter-system handover

Discussion :

Conclusion : *Withdrawn*

N1-010826 : 23.009v360 CR#038, Siemens, Type: CR, Title: Priority selection criteria of calls in a multicall

Discussion : In case of handover of a multicall it may not be possible to handover all bearers belonging to the multicall, e.g. in case of UMTS to GSM inter-system handover, or in case of inter-MSC relocation if 3G_MSC-B does not support multicall or cannot support the number of bearers requested by 3G_MSC-A, or in case of a lack of radio resources in the UMTS target cell. In these cases the 3G_MSC-A or 3G_MSC-B shall select one or several bearers to be handed over according to the selection criteria specified in TS 22.129. In order to align both specifications, it needs to be specified that during RAB assignment and relocation request a 3G_MSC-A supporting multicall shall always assign priorities, and that the priorities shall be assigned in such a way that the requirements from TS 22.129 are fulfilled automatically. Proposal to make the procedure conditional.

Conclusion : *Conditionally agreed. Depending R3 answer to 870, the set 816/817 or 826/827 is agreed, and the set is 'critical' input to CN#12*

N1-010827 : 23.009v400 CR#039, Siemens, Type: CR, Title: Priority selection criteria of calls in a multicall

Discussion :

Conclusion : *Conditionally agreed. Depending R3 answer to 870, the set 816/817 or 826/827 is agreed, and the set is 'critical' input to CN#12*

N1-010856 : Lucent, Type: INFO, Title: Adding New Definitions to 21.905

Discussion : Proposed LS OUT from CN1,- should not have 'if CN1 agrees' in it. To be changed with SA1. CN1 has used these terms from the beginning and would not like SA1 to change the terms. GERAN 2 now uses another interpretation and it looks like the terms are spec related rather than a general 21.905 definition. Harmonization should be achieved for Rel-5.

Conclusion : *Revised to 873 (which became a LS OUT and can be found in chapter 9)*

6.2 CRs proposed by CN1 R99 old stuff ad hoc meeting

None provided

7 Release 4

7.1 Rel-4 corrections

N1-010802 : 24.008v420 CR#419, Ericsson, Type: CR, Title: Clean up related to V.23, X.75, X.25 and X.32

Discussion : Similar change has not been done for R99 because the services was deleted from Rel-4. To be categorized as essential correction on frozen Rel-4. Making the fields reserved results in rejecting the message, so if earlier implementations used the values this could have been a problem. A bracket needs to be removed.

Conclusion : Revised to 853

N1-010853 : 24.008v420 CR#419r1, Ericsson, Type: CR, Title: Clean up related to V.23, X.75, X.25 and X.32

Discussion :

Conclusion : Agreed

N1-010830 : 24.008v420 CR#422, Ericsson Type: CR, Title: Extended uplink TBF

Discussion : Linked with LS out in 801. GERAN improvements #4.

Conclusion : Agreed

7.2 CS based emergency call enhancements

None provided

7.3 Security

None provided

7.4 TrFo

None provided

7.5 QoS

None provided

7.6 Location Services

None provided

7.7 ASCI

N1-010729 : 44.068v411 CR#002, Siemens, Type: CR, Title: Clarification of the coding of otdi information in IA5 format

Discussion : Correction and clarification of the coding of otdi information in IA5 format, moving old annex A to B and introducing a new informative annex A. IA5 characters are always 7 bits long. Any confusion with user-user discriminator ? Move the tag to second paragraph.

Conclusion : Revised to 854

N1-010854 : 44.068v411 CR#002r1, Siemens, Type: CR, Title: Clarification of the coding of otdi information in IA5 format

Discussion :

Conclusion : Agreed

N1-010730 : 44.069v411 CR#002, Siemens, Type: CR, Title: Clarification of the coding of otdi information in IA5 format

Discussion :

Conclusion : Revised to 855

N1-010855 : 44.069v411 CR#002r1, Siemens, Type: CR, Title: Clarification of the coding of otdi information in IA5 format

Discussion :

Conclusion : Agreed

7.8 TEI4

N1-010750: Hutchison3g, Type: DISCUSSION, Title: Partial Roaming Background Discussion

Discussion :

Conclusion : Withdrawn

N1-010751: 24.008v420 CR#414, Hutchison3g, Type: CR, Title: Partial Roaming - PLMN Radio Access Technology identifier

Discussion :

Conclusion : Withdrawn

N1-010752: 23.122v400 CR#028, Hutchison3g, Type: CR, Title: Partial Roaming - PLMN Radio Access Technology identifier

Discussion :

Conclusion : Withdrawn

N1-010759 : 44.064v400 CR#001, Motorola, Type: CR, Title: Addition of UI Dummy command for use in RLC/MAC delayed TBF release procedure

Discussion : CR # 001 need to be inserted. Linked with 803 and 694.

Conclusion : Agreed

N1-010803 : Motorola, Type: DISCUSSION, Title: Discussion on Dummy LLC PDU

Discussion : At CN1#16 meeting, a CR to LLC specification was considered (see N1-010471), but many delegates have expressed concerns if this CR is really needed. 2 approaches discussed: 1) A new 'dummy' LLC PDU is defined in TS 44.064. (This approach has been recommended by GERAN2). 2) No new LLC PDU is specified in TS 44.064.

Support expressed for having the dummy in the LLC specification (1) with informative text referring to 44.060, or a normative part in 44.064 ? The LLC shall receive the PDU, but always triggered by the RLC layer. The LLC discards it when received, but behaves normally as for any message. Invalid PDU is not a needed term.

The CR on 44.064 is in 759.

Conclusion : Noted. Agreed to define Dummy LLC PDU in 44.064

N1-010839 : 24.008v420 CR#423, Ericsson, Type: CR, Title: Correct coding errors in the MS Radio Access Capability IE

Discussion :

Conclusion : Revised to 909

N1-010909 : 24.008v420 CR#423r1, Ericsson, Type: CR, Title: Correct coding errors in the MS Radio Access Capability IE

Discussion : Take this and 903 as critical CRs to the plenary. One page was missing in RAC IE for Rel-4.

Conclusion : Agreed

N1-010903 : 24.008v370 CR#425, Ericsson, Type: CR, Title: Correct coding errors in the MS Radio Access Capability IE

Discussion : Take this and 909 as critical CRs to the plenary.

Conclusion : *Agreed*

7.9 Evolution of transport in CN

None provided

7.10 ODB for packet oriented services

None provided

7.11 Other Rel-4 issues

None provided

8 Release 5

Section 8.1 and 8.2 is the part where joint session between CN1/2/3/4 took place and is reported (end to end issues)

All building blocks under feature ID 1273.

Other CN WGs are welcomed but it is up to the other WGs to decide if they schedule other issues for a separate session for this same time.

Attendance: CN1: All, CN2: 14, CN3: 8, CN4: 7

8.1 23.218 issues for joint CN WG session

N1-010504 : SA2 (S2-010798r2), Type: LS IN , Title: Liaison Statement on IMS-Service Provision

Discussion : Forwarded to this joint session from CN1#17, so for CN1 comments see also this doc. in chapter 3. Besides agreeing the Cx interface SA2 agreed on a single standardised protocol to be supported by the S-CSCF for service control. Guidelines for further details are summarised in a new chapter to 23.228. These details are given in S2-010797 which is approved by S2 and not attached to this LS.

These new requirements are not contributed to this meeting, so no drafting based on this can be done in CN1 now. But the protocol architectural requirements will be discussed in the S2/N1-4 meeting later this week.

Where is IMS SCF documented? In chapter 6 of 23.218. Mapping between ISC (IM Service Control) standardized protocol (or SIP+) to CAMEL was proposed to be documented in CN2 specifications. But further work needs to be decided upon when more information is available around these topics. Lot of support to change the confusing SIP+ to a recommendation on name and communicate it to SA2, but SA2 will make that decision and design the needed architecture. A liaison to SA2 is agreed to be sent, and additional clarification to the name could be that this is related to the protocol only.

Additionally it was agreed that the structure of 23.218 should be reviewed and any proposals to change the current structure should be provided in the form of written contributions to the CN joint meeting during CN1 #18.

Conclusion: *LS OUT in 888 by Magnus*

N1-010749 : 23.218, Lucent, Type: CR, Title: Service Triggers in SIP telephony network

Discussion : This contribution gives some generic points of interests, at which the S-CSCF will interact with service platform during the session.

Received as a good starting point. The granularity of triggers are too big, and some other triggers as eg PRACK could be of interest to the service as well. Break up response to classes were also asked for. More generic description is needed in order to avoid modification for every protocol modification. Also registration related responses should be looked at. Another way of handling this is by filtering. It was proposed to move it into an informative annex. Another proposal was introduction to chapter 5 directly.

Conclusion: *Agreed to put this in as informative annex*

N1-010761 : 23.218, Motorola, Type: CR, Title: Modification to scope of TS 23.218

Discussion : A proposal to change the scope so that 23.218 should focus on the Interactions between the S-CSCF and Application Servers (IM_SSF, OSA SCS and SIP Application Servers), and the Mappings and Call Models contained in these entities should not contain the functional requirements for Proxy-CSCF, Interrogating-CSCF and Serving-CSCF for basic call/session handling which would be best specified in TS 24.229.

IMS in 23.218 (covering the S-CSCF only) was earlier intended as an analogue to basic call handling in 23.018 and opinions were raised to keep it that way. A new document to handle the service issues, or make 23.218 more service oriented ? Not recommended moving something to the protocol part,-24.229. But if so, then it should preferably be done before taking it to plenary CN#13 for issuing v1.0.0. At least section 5 of 23.218 could be modified to remove P-CSCF and I-CSCF functionality.

Conclusion : *Noted*

N1-010762 : 23.218, Motorola, Type: INFO, Title: TS 23.218 v.0.5.0

Discussion : Latest available version. No changes has been done yet since the April meeting in Sophia. The work is in progress and the architecture is being modified.

Conclusion : *Noted*

8.2 24.228 issues for joint CN WG session

N1-010702 : 24.228, ATT, Lucent, Motorola, Type: CR, Title: Move Annex A to Normative text

Discussion : Please see also 702 under 8.4 since this was a forwarded document from CN1 earlier this week.

TS 24.228 is intended to be input to plenary CN#12 for approval to v1.0.0

Conclusion : *Agreed to move annex A to main part except for clause 100 and 101*

N1-010706 : 24.228, ATT, Type: CR, Title: Call Transfer Procedures

Discussion : It is proposed that the proposed text be added to an informative Annex (TS 24.228 Annex B) as preliminary material for section 10.5. In addition, the following IETF Internet-Drafts is proposed added to the Work Item Description as IETF dependencies:

- Draft-ietf-sip-cc-transfer-04
- Draft-roach-sip-subscribe-notify-03

An alternative architecture to this where all parties are involved, would be that S-CSCF terminates the REFER and does not impact the first leg, transport (network centric). This was contradicted since UE#1 needs to know about the media, a human centric approach. What about privacy on UE#3 and who pays for the transferred leg ? Service control boxes should be shown in the flows. Why do we have 2 scenarios here ? Reason is that eg. REFER is different. Call transfer is a basis for fraud and this document must be reviewed by SA3 before going into the informative annex. 23.228 already has a section on call transfer and therefore a LS should be sent to affected groups,- to S3 with copy to S2 and possibly S5.

Conclusion : *Agreed to be put in the annex and not the main body of the TS. LS OUT in 890 by Sunil*

N1-010733 : 24.228, Lucent, Type: CR , Title: More service control tasks in 24.228

Discussion : In this contribution, the positions where the service control boxes shall be inserted when 180 Ringing, COMET and 486 BUSY messages are met in S-CSCF are indicated in the list.

Ringing is optional, and adding a service control box in every possible flow and message could more efficiently be made through some text. This list was intended as editing rule for the 24.228 update.

Conclusion : *Revised to 891 for CN1 during this week (see agenda item 8.4)*

N1-010746 : Lucent, Type: DISCUSSION, Title: An analysis of the requirements for the Max-Forwards header

Discussion : This contribution discusses the handling of ICMP messages by SIP. The contribution concludes that -due to security reasons - the ICMP messages should be ignored by the 3GPP SIP implementations. It is proposed that CN1 sends a liaison statement to the SA3 requesting a clarification pertaining to handling of the ICMP messages in 3GPP SIP implementations.

Both support and not were raised for a liaison doc. This could instead be seen as an implementation issue. The solution should be sought in the routers themselves. A statement of ignoring ICMP is too restrictive. ICMPs from an insecure source could be ignored.

Conclusion : *LS OUT in 892 by Milo*

N1-010756 : 24.228 Motorola, Type: INFO, Title: 24.228v050 "Signalling flows for the IP multimedia call control based on SIP and SDP"

Discussion : Latest version available, also stored on the 3GPP server under specs/latest draft

Conclusion : *Noted*

N1-010852 : 24.228, Lucent, Type: CR, Title: Signalling flow for session release

Discussion :

Conclusion : *Forwarded to CN1 during the week in 884*

N1-010865 : 24.228, Motorola, Type: CR, Title: SIP/SDP compression

Discussion : The number of messages coupled with the typical length of a SIP message places a strenuous burden on bandwidth over the air interface, which remains a scarce and expensive resource. It is proposed that CN1 agree that compression of SIP/SDP messages is required in the Rel-5 IM subsystem architecture over the air interface, and that CN1 should investigate the merits of both text compression and SIP/SDP aware compression schemes.

SA2 still needs to agree on the schemes and where to compress. Building an efficient dictionary are depending on the amount of messages exchanged. The architecture is a way of reducing amount of messages. S-CSCF could limit the number of messages over the radio interface (in case of forked requests) or all messages could be compressed or both. Possibility of compression seems to be reduced since SA3 has an optional security feature between UE and P-CSCF. Should SA4 be involved? If the compression is made in RAN it will appear in the 25 series, and additionally handover aspects need to be handled. A question is if CN1 is a proper place for further contributions ? The working group on algorithm(s) will be dictated with the architectural decisions to be done. In IETF the ROCH group may be taking this up, but 3GPP can not wait for that. This doc is forwarded to CN1 on Friday after the document has been presented in SA2.

Conclusion : *Noted. Forwarded to CN1 later this week (see agenda item 8.4)*

N1-010881 : From SIP#04 (N1-010582), Type: LS IN, Title: LS "on GPRS work covering break in radio transmission"

Discussion : The joint meeting of SA2 and CN1 identified the following item within 23.228 (see extract under 3 in this liaison) which requires enhancement of a number of GPRS specifications under the control of various working groups. Since CN4 delegates are not all present a request to forward this to CN4 was accepted.

Conclusion : *Noted. Forwarded to CN4*

8.3 Rel-5 corrections

None provided.

8.4 SIP call control protocol for the IM CN subsystem

N1-010701 : 24.228/24.229, Ericsson, Type: DISCUSSION, Title: Refreshing sessions in stateful elements

Discussion : This document studies certain scenarios where call stateful proxies, under certain circumstances, may not be informed that the session is terminated (e.g., a BYE is received). These SIP proxies will not have a deterministic method of determining that the session has died. The contribution also proposes a solution based on the use of the SIP Session Timer [Sess_Timer]. It is pointed out a solution, standardized in the SIP WG in the IETF, which will solve those odd conditions. A recommended use of the session timer for 3GPP environment has been proposed, including recommended values for timers. Propriate timer for the UE should be less than for the network which could be around 1 hour (charging impacts?). Should the P-CSCF trigger the Session Timer instead of passing it over the air interface ? Lower layer indication is another approach, or should it be end to end. The timer can be changed on a per session basis. Some operators may charge on signalling, but SA5 should have a saying on this and a possible timer value. The problem presented in the document was agreed to be real, but it was found difficult to accept to apply session timer end to end instead of between proxies.

Conclusion : *Rejected*

N1-010702 : 24.228, ATT, Lucent, Motorola, Type: CR, Title: Move Annex A to Normative text

Discussion : Agreed to move all text from Annex A to the main body of the document with following exceptions that remain in the annex :

Clauses 100 and 101

The intention is to present 24.228 to CN#12 for information and approval to v1.0.0. To be forwarded to CN joint meeting later this week. All contributions agreed from now on on 24.228 should be marked as going to the annex or to the main part of the TS draft.

Conclusion : *Agreed with exception of clause 100 and 101*

N1-010703 : 24.228, ATT, Type: CR, Title: Handling of non-mutual configuration hiding

Discussion : Too long document,- could the examples be abbreviated ? How should flows be shown, entire end to end or deltas when possible ? Organizing the 24.228 should be discussed off line since finding information in the now big specification become difficult. Goes to normative annex. It is also proposed to go to the informative annex for at least an interim between meetings to study details.

Conclusion : *Agreed to go to the main part*

N1-010704 : 24.228, ATT, Type: CR, Title: Configuration hiding in BGCF

Discussion : It is proposed that section 8.3.5, containing S-S#4, be extended to include four options, labeled S-S#4a (section 8.3.5) through S-S#4d (section 8.3.8), covering all combinations of inter-operator configuration hiding.

Is the equivalent capability in 23.228 ? Modifications proposed by Sean.

Conclusion : *Rejected*

N1-010705 : 24.228, ATT, Type: CR, Title: I-CSCF updating of private URL in Anonymous calling

Discussion : When network configuration hiding is desired, it is necessary that the I-CSCF re-generate the private URL, identifying itself as the network element that must first decode/decrypt/determine the originator. This fact is included in the procedures for session redirection after bearer establishment, in section 10.4.6. However, the procedure was missed in the anonymous calling use of private URLs.

Does the I-CSCF become statefull remembering the association ?

Conclusion : *Agreed to go to the main part*

N1-010707 : 24.228, ATT, Type: CR, Title: Document structure and contents for "Normal" error cases

Discussion : TS 24.228 currently covers only a few sub-cases of a handful of the "normal" error cases. Continuing the present practice of a separate section with a detailed call flow for each error code (e.g. 8.2.5 (MT#1c) variation of MT#1a with a 486 error, 8.2.6 (MT#1d) variation of MT#1b with a 486 error, etc.) will lead to excessive duplication of text. A simpler structure is needed and proposed.

Is this the right structure, and the way to do the error cases ? The structure was well received, but swapping of chapters to follow the flows was principally agreed. Where will call release procedures be shown in 24.228? A contribution to this meeting deals with that. Update of the full content with swapping sections including numbering on tables, figures etc., will be provided for the next meeting.

Conclusion : *Agreed to the subclauses proposed and to go to the annex*

N1-010708 : 24.228, ATT, Type: CR, Title: State information stored in P-CSCF and S-CSCF

Discussion : The current flows in TS 24.228 sections 8.1 and 8.2 show only the call state information stored in the P-CSCF in order to reduce the message size over the air interface. It is proposed that TS 24.228 sections 8.1 and 8.2 be enhanced to show the additional call state information needed to be stored in P-CSCF and S-CSCF elements for the other functions identified in TS 23.228 and TS 24.228. Section 8.3 could also be extended to contain this information, but it would be redundant from 8.1 and 8.2, and therefore proposed not.

Clarifications required on message numbering and what is stored where. Where is generation of BYE ? Change required to the references done in the doc. Introduce this into the annex part making association to changes from the normative part

Conclusion : *Revised to 883*

N1-010883 : 24.228, ATT, Type: CR, Title: State information stored in P-CSCF and S-CSCF

Discussion :

Conclusion : *Agreed to go to the annex*

N1-010709 : 24.228, Nokia , Type: CR, Title: The usage of Request URI, Route and RR headers in signalling flows

Discussion : The usage of Request URI, Route and Record Route headers are not consistent in 24.228.

If needed Nokia will make a contribution, which seemed necessary before details can be discussed. The principals gets some support, but a better understanding of aligning methods, flows and headers should take place before such a large contribution (200 pages) is submitted. Split the SIP related issues and have parts reviewed in the beginning of CN1#19 in a separate review groups.

Conclusion : *Revised to 904*

N1-010904 : 24.228, Nokia , Type: CR, Title: The usage of Request URI, Route and RR headers in signalling flows

Discussion :

Conclusion : *Noted*

N1-010710 : 24.228, Nokia, Type: CR , Title: Re-Registration- S-CSCF From Previous Registration Not Available

Discussion : 23.228 requirement : A Serving-CSCF is assigned at registration, this does not preclude additional Serving-CSCFs or change of CSCF at a later time. Procedures for use of additional CSCFs are not standardised in this release. Can a subscriber be registered in several S-CSCFs simultaneously related to same private ID ? Should a LS be sent to S2 on this topic ?

Conclusion : *LS OUT in 885 by Gabor (later in the discussion that document turned up as a CR)*

N1-010885 : Nokia (Gabor), Type: CR, Title: Re-Registration- S-CSCF From Previous Registration Not Available

Discussion :

Conclusion : *Agreed to go to the annex*

N1-010711 : 24.228, Nokia , Type: CR, Title: Exceptional cases in Registration flows

Discussion :

Conclusion : Revised to 886

N1-010886 : 24.228, Nokia , Type: CR, Title: Exceptional cases in Registration flows

Discussion : This was withdrawn because(Gabor to provide the text)

Conclusion : Withdrawn

N1-010712 : 24.228, Nokia , Type: CR, Title: Network initiated de-registration

Discussion : Alternative proposal in 877.

Part C is acceptable. Merge with 877

Conclusion : Revised to 895

N1-010895 : 24.228, Nokia/Nortel , Type: CR, Title: Network initiated de-registration

Discussion : Why is 200 OK content marked for further study ? Editors note should be included as it was in the previous version.

Conclusion : Agreed to go to the annex.

N1-010713 : 24.228, Nokia , Type: CR, Title: Warning header in 403 Forbidden

Discussion : A 3GPP terminal must register to the network before it is able to initiate a call. In IETF SIP this is not a requirement. Thus, in SIP there is no final response which can be returned to user to indicate that it must register or re-register with the network in order to use the networks' services.

Warning code is for information and will be ignored by non-3GPP terminals. 403 "Forbidden" error code does not give enough information to the MS on the reason why INVITE can not be accepted (registration is not valid any more). The IANA registration could take place as in related doc 866 when revised to 896.

Conclusion : Agreed

N1-010714 : 24.228, Nokia , Type: DISCUSSION, Title: Using Subscribe/Notify to Authenticate users after registration

Discussion : This seems to be an architectural issue, SA2 with possible linking to SA3 on security. CN1 issues could be isolated, eg the network challenging the UE over the air interface. Operators expressed the issue as a requirement likely to come very soon, and that authentication should be possible at any time as in GSM.

Conclusion : Noted

N1-010715 : 24.228, Nokia , Type: CR, Title: Usage of Path header in no-hiding case

Discussion : Currently there is no section in 24.228 describing a Registration procedure in case hiding is not required. Is another contribution needed?

Conclusion : Revised to 874

N1-010874 : 24.228, Nokia , Type: CR, Title: Usage of Path header in no-hiding case

Discussion :

Conclusion : Agreed to go to the main part

N1-010716 : 24.228, Nokia , Type: DISCUSSION, Title: Hiding decision

Discussion :

Conclusion : Withdrawn

N1-010734 : 24.228, Nortel, Type: CR, Title: Editorial modifications to 24.228

Discussion : This document proposes editorial and minor issues against 24.228 v0.5.0. Cover page and editorials needed.

Conclusion : Revised to 898

N1-010898 : 24.228, Nortel, Type: CR, Title: Editorial modifications to 24.228

Discussion :

Conclusion : Agreed

N1-010735 : 24.228, Nortel, Type: CR, Title: Using NOTIFY in Network Initiated Deregistration procedure

Discussion : Alternative proposal in 712.

Conclusion : Revised to 877

N1-010877 : 24.228, Nortel, Type: CR, Title: Using NOTIFY in Network Initiated Deregistration procedure

Discussion : Revised from 735. 23.228 needs to be changed on this. Cx is not the responsibility of CN1.

Conclusion : Revised to 895

N1-010895 : 24.228, Nokia/Nortel, Type: CR, Title: Using NOTIFY in Network Initiated Deregistration procedure

Discussion : Revision of 712 and 877.

Conclusion : Agreed to go to the annex

N1-010736 : 24.228, Nortel, Type: CR, Title: Explicit Subscription for User's Registration Information

Discussion : This document proposes "Explicit Subscription" by using the SIP SUBSCRIBE method. Although, this proposal adds two more messages over the air interface, it eliminates current issues with implicit subscriptions. Also, an explicit SUBSCRIBE will be needed anyway when other 3GPP services are supported.

Implicit subscription has holes in the specification now, and does not exclude explicit description. Call ID is unstable and meant for NOTIFY. Allow Events are meant for UE to receive subscription events. What is used for correlating NOTIFY with REGISTRATION if not Call ID ? How many times is SUBSCRIBE sent ? Subscribe is a separate process from Registration. Proposal to postpone this contribution until the draft subscribe notify has been progressed. Do Subscribe need to be in Rel-5 ? Solve the problem with multipel registrations in parallell ? The flows will be provided for information (or to the informative annex ?) in this meeting and give people more time until CN1#18 to study the issue.

Conclusion : Noted

N1-010737 : 24.229, Lucent, Type: TS, Title: Current draft 24.229: "IP Multimedia Call Control Protocol based on SIP and SDP"

Discussion :

Conclusion : Noted

N1-010738 : 24.229, Lucent, Type: CR, Title: An analysis of the requirements for the Max-Forwards header

Discussion : Discussion points remains that will be handled later.

Conclusion : Agreed

N1-010739 : 24.229, Lucent, Type: CR, Title: CR to 24.229 specifying the mapping of IM CN subsystem functional entities to SIP roles

Discussion : This contribution proposes text that defines the roles (as defined by clause 5 of 24.229) that are taken by the various IM CN subsystem functional entities.

Conclusion : Revised to 912

N1-010912 : 24.229, Lucent, Type: CR, Title: CR to 24.229 specifying the mapping of IM CN subsystem functional entities to SIP roles

Discussion :

Conclusion : Agreed to go to the main body

N1-010740 : Lucent, Type: INFO, Title: Summary of current IETF documents in SIP

Discussion : Highlighted in yellow those depending on IETF drafts.

Conclusion : Noted

N1-010741 : Lucent, Type: INFO, Title: Summary of current IETF documents in SIPPING

Discussion :

Conclusion : Noted

N1-010742 : Lucent, Type: INFO, Title: Summary of current IETF documents in MMUSIC

Discussion :

Conclusion : Noted

N1-010743 : Lucent, Type: INFO, Title: Summary of current IETF documents on SIMPLE

Discussion :

Conclusion : Noted

N1-010744 : 24.229, Lucent, Type: CR, Title: Update of status-code tables in TS 24.229

Discussion :

Conclusion : Withdrawn

N1-010745 : 24.229, Lucent, Type: CR, Title: Locating the home I-CSCF

Discussion :

Conclusion : Revised to 889

N1-010889 : 24.229, Lucent, Type: CR, Title: Locating the home I-CSCF

Discussion : Domain name should be used for I-CSCF,- is now in stage 2 (not numeric address). And what is now changed from the similar contribution in CN1#16 is the SA2 decisions, here shown as deleted text. An editors note should be there, and modified.

Conclusion :Revised to 907

N1-010907 : 24.229, Lucent, Type: CR, Title: Locating the home I-CSCF

Discussion :

Conclusion : Agreed

N1-010747 : 24.228, Lucent, Type: CR, Title: Signalling flow for session establish reject due to terminal out of radio coverage

Discussion : This contribution shows the information call flow for one of the exception conditions; the called terminal is out of radio coverage. This results in a 480 Temporarily Unavailable response. Which should be included as new clause 8.2.9.

A note should state that the shown flow is an example of several possible (eg use of ICMP), and which one is most likely. Sending 7 INVITES should not be needed but is a solution. Step#15 needs to be moved down ? An editor note for the default value on the timer should be included. The note in the CR can be inserted after point 6. A GPRS detected 'out of coverage UE' flow is probably needed to be covered in a later contribution as well. A scenario where the UE is

reachable to CS (simultaneously attached) is needed to be taken into account. Adrafting group decides on proper text in the editors note to be included.

Conclusion : Agreed to go to the annex

N1-010748 : 24.228, Lucent, Type: CR, Title: Signalling flow for session establish reject due to service reject on 200 OK response

Discussion : This contribution points out an issue when service control is failed in S-CSCF when receiving 200 OK response. It provides the information flows in the case that the service control fails when S-CSCF receives the 200 OK response. It should be included as new clause 8.2.10.

B2BUA solution. Does the S-CSCF need to understand the service control in order to continue, and if it should be noted in the doc. It could be a service triggered and at service failure the S-CSCF can continue. Linked with 753, 754, 755 and 739.

Conclusion : Noted

N1-010753 : Ericsson, Type: DISCUSSION, Title: Addressing B2BUA in a SIP network

Discussion : For future proof networks that are limited only by the intelligence of the terminals, it was shown that network transparency is required in the SIP network. It was shown that use of a B2BUA will result in breakdown of network transparency making the SIP network non-compliant with RFC2543. Therefore, a method needs to be determined by which the network can control the endpoints without using a B2BUA.

It was argued that the 3GPP network was not a transparent network, and that UA is an endpoint terminated in the network. The S-CSCF was said to be controlling the call, and whether this is the case or UE controls the call is basic understanding for proceeding this discussion. 23.228 says the S-CSCF may behave as a UA, and not a must in every scenario. Linked with 739, 748, 754, 755

Conclusion : Noted

N1-010754 : Ericsson, Type: DISCUSSION, Title: Network initiated SIP session termination using REFER

Discussion :

Conclusion : Noted

N1-010755 : Ericsson, Type: DISCUSSION, Title: Network initiated SIP session termination using 503 response/timeouts

Discussion :

Conclusion : Noted

N1-010757 : 24.228, Motorola, Type: CR, Title: Registration Failure - Cx-Profile Transaction Failure

Discussion :

Conclusion : Withdrawn

N1-010758 : NTT Comware, Type: DISCUSSION, Title: Understanding the alignment of PATH header with IETF SIP

Discussion : Proposal of alignment of PATH header with IETF SIP. Only one mechanism is needed as earlier contributed by Ericsson, instead of 2. Stage 2 is controlling and therefore both methods should be kept.

Conclusion : Noted

N1-010760 : 24.228, Motorola, Type: DISCUSSION, Title: SIP/SDP compression

Discussion :

Conclusion : Withdrawn

N1-010812 : 24.228, Ericsson, Type: CR, Title: An alternative solution to the Path: header extension

Discussion : TS 24.228 and 24.229 currently document a mechanism (the Path: header) for establishing a static route from the P-CSCF to the S-CSCF at registration time. This route is then used for subsequent signalling from the P-CSCF to the S-CSCF for originating signalling and from the S-CSCF to the P-CSCF for terminating signalling. As an option, this static route can include a THIG, a special purpose I-CSCF that exists to hide the topology of one operator's network from other operators. This contribution proposes an alternative mechanism to achieve the same results as the Path: header. The CR is an alternative that satisfies the same basic requirements while not requiring any extensions to SIP itself.

A new version should show eg. a scenario of 2 UEs back to back to show that the proposal works. Is this proposed working assumption in line with stage 2 ? Both assumptions have support.

Conclusion : Noted

N1-010846 : 24.229, Lucent, Type: CR, Title: Editorial comments on 24.229

Discussion :

Conclusion : Agreed

N1-010847 : 24.229, Lucent, Type: CR, Title: Table for major capabilities

Discussion : Section 2.3 with Proxy roles is confusing on behavior for sending/receiving INVITEs.

Conclusion : Agreed to go to the main body

N1-010848 : 24.229, Lucent, Type: CR, Title: An analysis of the requirements for the Timestamp header

Discussion :

Conclusion : Agreed

N1-010849 : 24.228, Lucent, Type: CR, Title: Editorial comments on 24.228

Discussion : Several points to make the spec consistent and in line with 23.228. Point 1, 2, 3, 5, 6, 4 agreed. And these updates to the TS can be implemented for CN#12 or put in an annex for later implementation.

Conclusion : Agreed

N1-010850 : 24.228, Lucent, Type: CR, Title: Revision of the key in 24.228 for empty headers

Discussion : Alternative proposal in 893.

Conclusion : Rejected

N1-010851 : 24.228, Lucent, Type: CR, Title: Removal of duplicated material from 23.228 in introductory part of clause 8 of 24.228

Discussion : Why is it 2 alternatives for hiding still to be included as editor note. Agreed to remove this.

Conclusion : Revised to 900

N1-010900 : 24.228, Lucent, Type: CR, Title: Removal of duplicated material from 23.228 in introductory part of clause 8 of 24.228

Discussion :

Conclusion : Agreed

N1-010852 : 24.228, Lucent, Type: CR, Title: Signalling flow for session release

Discussion : Forwarded from CNjoint meeting during the week in 884

Conclusion : Revised to 884

N1-010884 : 24.228, Lucent, Type: CR, Title: Signalling flow for session release

Discussion : This contribution provides a preliminary set of session release flows for inclusion in 24.228.

A correction is needed in the Route header. Was it an agreement to label as THIG ? Yes but was it supposed to wait for coordination with 23.228. Flow 2 and 3 in parallel, why ? Just copies to the stage 2 yet. Clarifications to releasing resources in step 4 and 10. This issue should be addressed to SA2 first was expressed, but another view is that an editor's note must at least be following a possible inclusion into stage 3 now. Other inconsistencies and race condition was pointed out. QoS interactions with GPRS should be put in here as well (CN3?). Proposal to put it into Annex A.

Conclusion : Agreed to go to the annex

N1-010865 : 24.228, Motorola, Type: CR, Title: SIP/SDP compression

Discussion : Forwarded from CN joint meeting. The number of messages coupled with the typical length of a SIP message places a strenuous burden on bandwidth over the air interface, which remains a scarce and expensive resource. It is proposed that CN1 agree that compression of SIP/SDP messages is required in the Rel 5 IM subsystem architecture over the air interface, and that CN1 should investigate the merits of both text compression and SIP/SDP aware compression schemes.

SA2 still needs to agree on the schemes and where to compress. Building an efficient dictionary are depending on the amount of messages exchanged. The architecture is a way of reducing amount of messages. Number of compression seems to be reduced since SA3 has an optional security feature between UE and P-CSCF. Should SA4 be involved. If the compression is made in RAN it will appear in the 25 series, and handover aspects need to be handled. A question is if CN1 is a proper place for further contributions ? The working group will be dictated at architectural decision. In IETF the ROCH group may be taking this up, but 3GPP can not wait for that. This doc is forwarded to CN1 on Friday after the document has been presented in SA2.

Conclusion : Noted

N1-010866 : 24.228, Motorola, Type: CR, Title: Registration Failure - Cx-Profile Transaction Failure "forbidden"

Discussion : One of the scenarios still needing completion in TS 24.228 is registration failure due to unsuccessful profile update transaction with the HSS. This contribution presents the signalling flow for the scenario, where the user is forbidden from registering in the current network.

The warning can be adapted to language via a header. What does the UE do when receiving this message ? Only initiates Registration or Deregistration immediately according to what 24.228 will define.

Conclusion : Revised to 896

N1-010896 : 24.228, Motorola, Type: CR, Title: Registration Failure - Cx-Profile Transaction Failure "forbidden"

Discussion :

Conclusion : Withdrawn

N1-010875 : 24.228, France Telecom, Type: DISCUSSION, Title: PSTN originated calls

Discussion : Modified text to 23.228 is needed as well, but since SA2 decisions in the area are close to finish it could be acceptable to introduce this now. A view was that only one of the specifications should contain this information. Has it been agreed that MGCF contains IWU ?

Conclusion : Agreed to go to the main part if it is aligned with SA2

N1-010876 : 24.228, France Telecom, Type: DISCUSSION, Title: Mobile terminated calls when user is only reachable through the CS domain

Discussion :

Conclusion : Withdrawn

N1-010882 : 24.228, Dynamicsoft, Ericsson, Type: DISCUSSION, Title: REPORT on Analysis of Call Flows without Path:

Discussion : Not aligned with 23.228 flows was disputed. I-CSCF needs to be in the path for hiding but how do S-CSCF find out this step,- at registration ? Uncertainty whether THIG will be in Rel-5. A solution without PATH header should be looked for since it is not likely to be in time in IETF. It was argued that the proposal might not work for all scenarios, and it was needed more time to study the issue. More material will be provided for CN1#18.

Conclusion : Noted

N1-010887 : 24.228, France Telecom, Type: DISCUSSION, Title: Mobile terminated calls when user is not reachable through the IM sub-system

- **Discussion** : Discussed if this is SA2 issue or not ? Agreed that the interworking cases between CS and IMS are necessary, but it is difficult for CN1 to define the IMS part of it without knowing the architecture, e.g. which entity decides to route and incoming call to either CS or IMS. If that entity is completely outside IMS then the issue is also outside the scope of 24.228. When a legacy terminal reaches IMS the HSS will route the call to GMSC or not when not registered ? How to route incoming MT calls to either CS domain or IMS? A call to IMS subscriber with currently no capability to receive IMS call (out of IMS service area, USIM in old mobile,...) is the difficult part. Which entity should make the decision to route the call either to IMS or to CS? The contribution deals with the middle part of the flows and should cover an MS to MS call as well. 23.228 on the interworking cases should be covered first.

Conclusion : Rejected

N1-010891 : 24.228, Lucent, Type: CR , Title: More service control tasks in 24.228

Discussion : Complicates the flows, but at least the first flow should have the service control boxes as example.

Conclusion : Agreed

N1-010893 : 24.228, Vodafone, Type: DISCUSSION, Title: Proposed revision of the presentation of SIP headers in 24.228

Discussion : Revision of 733. This contribution offers an alternative way of displaying the header field contents in SIP requests/responses in 24.228. It is proposed that all header contents are shown in each message, and those headers that have been added in a message shall be shown in bold text. Any content of a header field that has been modified/added shall be shown in bold text.

The proposal was very well received. Not possible to do it for the plenary , but make a v1.1.0.

Conclusion : Agreed

N1-010901 : 24.228, Nortel, Type: CR, Title: Explicit Subscription for User's Registration Information

Discussion : Linked with 736. Just for information before the contribution comes in next meeting.

Conclusion : Noted

8.5 IP & PS based emergency call enhancements

None provided

8.6 TEI5

None provided

8.7 Other Rel-5 issues

N1-010764 : 24.008, Nokia, Type: CR, Title: Introduction of AMR-WB

Discussion :

Conclusion : Rejected

N1-010804 : 24.008, Nokia, Type: CR, Title: Introduction of GTT (CTM) support

Discussion :

Conclusion : Revised to 894

N1-010894 : 24.008, Nokia, Type: CR, Title: Introduction of GTT (CTM) support

Discussion :

Conclusion : Withdrawn

N1-010805 : 26.103, Nokia, Type: CR, Title: Introduction of CTM codec type

Discussion :

Conclusion : Withdrawn

N1-010818 : Ericsson, Type: DISCUSSION, Title: Use Supported Codecs IE for all new codec types

Discussion: Proposal is to modify TS 24.008 Release 5 to indicate that all new codec types defined by SA4 from Release 5 onwards shall be indicated via the Supported Codecs IE and no longer shall new codepoints be added to Octet 3a of Bearer Characteristics.

In Rel-5 it would be sufficient to state that octet 3 can still be used for backward compatibility (all old GSM codecs will have to be indicated by the MS in the BC as before), but when Supported Codecs IE is present the octet3 is ignored. From a certain point an MS when supporting a codec must use the Supported Codecs IE. SA4 should in time inform CN WGs on new codecs for taking network aspects into consideration. Mappings of bit for different codecs supported are becoming problematic. The principal to use Supported Codecs IE for both UMTS and GSM from Rel-5 was agreed, and the originator will bring in contributions.

What about GSM 8PSK and GSM GMSK having separate system identifiers in order not to run out of available codepoints in Supported Codecs IE. Agreed to use supported codecs list IE to indicate all codecs, both GSM and UMTS.

SA4 has a workitem in this area, which might be broadened to cover other WGs impacted if not already included. It was seen that a WID to cover the CN part of the work is needed because several WGs will be involved in specifying WB-AMR.

Conclusion : Noted

N1-010905 : 24.008v420 CR#426 Rel-5, Ericsson/Nokia/Nortel, Type: CR, Title: Introduction of CTM codec type

Discussion :

Conclusion : Revised to 906

N1-010906 : 24.008v420 CR#426r1 Rel-5, Ericsson/Nokia/Nortel, Type: CR, Title: Introduction of CTM codec type

Discussion : The backward compatibility was seen as almost OK. The problem is that we remain with an empty list. This CR can go to plenary as a critical CR to be presented separately.

Conclusion : Agreed

9 LS OUT

N1-010685 : Chairman (Hannu), Type: LS OUT , Title: Proposed LS on introduction of new Mobile Country Codes (MCC)

Discussion : Only to CN plenary, describing consequences of new MCC codes to new countries and when added to existing MCC(s). Just stating facts, not any implications.

Conclusion : Agreed

N1-010718 : MCIUK (Arne), Type: LS OUT, Title: Reply to GERAN WG4 on GPRS attach type in NMO I

Discussion : The 2 combined attach types are optional to use.

Conclusion : Agreed

N1-010732 : Siemens (Robert), Type: LS OUT, Title: LS on Priority selection criteria of calls in a multical

Discussion :

Conclusion : Revised to 870

N1-010870 : Siemens (Robert), Type: LS OUT, Title: LS on Priority selection criteria of calls in a multical

Discussion : One set goes to the plenary and that the response from R3 need to go to the plenary, and should be distributed on N1 reflector. If no response then none of the sets go to the plenary. The delegates are asked to brief their RAN3 colleagues on this issue. Two CRs which are urgently needed for R99 depend on their decision and CN1 secretary needs to know which alternative to forward to TSGN #12 for approval. There is no CN1 meeting before that TSGN plenary.

Tdocs N1-010816, 817, 826, 827 are linked

Conclusion : Agreed

N1-010797 : Vodafone (Duncan), Type: LS OUT, Title: Classmark 1,2 and 3 corrections (Reply to N1-010620 (GP-010847))

Discussion : CM2 and CM3 changes should be included.

Conclusion : Revised to 908

N1-010908 : Vodafone (Duncan), Type: LS OUT, Title: Classmark 1,2 and 3 corrections (Reply to N1-010620 (GP-010847))

Discussion :

Conclusion : Agreed

N1-010798 : Ericsson (Eiko), Type: LS OUT, Title: Proposed response LS on Introduction of release information in the MS Radio Access Capability IE in 3GPP TS 24.008

Discussion :

Conclusion : Revised to 902

N1-010902 : Ericsson (Eiko), Type: LS OUT, Title: Proposed response LS on Introduction of release information in the MS Radio Access Capability IE in 3GPP TS 24.008

Discussion : Section 2 removed and dates to be corrected.

Conclusion : Agreed

N1-010799 : Ericsson (Francesco), Type: LS OUT, Title: Liaison Statement on "Duplication avoidance protocol moved from 04.18 to 24.007"

Discussion : Change meeting dates before sending it.

Conclusion : Agreed

N1-010800 : Ericsson (Rouzbeh/Inma), Type: LS OUT, Title: Introduction of AMR-WB

Discussion : A CN work item was preferred. Should GERAN be

Conclusion : Agreed

N1-010801 : Motorola (Andrew), Type: LS OUT, Title: Indication of Extended uplink TBF capability

Discussion :

Conclusion : Agreed

N1-010813 : Ericsson (Francesco), Type: LS OUT, Title: Liaison Statement on "RRC establish cause mapping"

Discussion : Editorials like dates and attachment section to be corrected.

Conclusion : Agreed

N1-010814 : Motorola (Apostolis), Type: LS OUT, Title: Response to LS - UTRAN Initiated RAB Renegotiation/Reconfiguration (N1-010771 or TSGR3#18(01)0305)

Discussion : Dates to be corrected.

Conclusion : Agreed

N1-010815 : Motorola (Apostolis), Type: LS OUT, Title: Response to LS on NAS messages maximum length (N1-010774 or TSGR3#19(01)0953)

Discussion :

Conclusion : Agreed

N1-010867 : Motorola (Andrew), Type: LS OUT, Title: Request for information from GSM Europe on 3 digit MNC

Discussion : Also To CN plenary and CC to CN4.

Conclusion : Agreed

N1-010873 : Lucent, Type: INFO, Title: Liaison Statement on Adding New Definitions to 21.905

Discussion : Revision of 856.

Conclusion : Agreed

N1-010888 : Ericsson (Magnus), Type: LS OUT, Title: Response to LS N1-010504 (S2-010798r2)

Discussion : To SA2 with CC N2/3/4.

Conclusion : Agreed

N1-010890 : BT (Sunil), Type: LS OUT, Title: Liaison Statement on the IM Call Transfer service

Discussion : Change meeting dates. CC to all CN2/3/4.

Conclusion : Agreed

N1-010892 : Lucent (Milo), Type: LS OUT, Title: Liaison Statement on " Handling of ICMP messages by 3GPP SIP Implementations"

Discussion : Chairman editions online to be used.

Conclusion : Agreed

N1-010897 : Siemens (Robert), Type: LS OUT, Title: Indication of Intra MSC handover from 3G_MSC-B to MSC-A/3G_MSC-A

Discussion :

Conclusion : Revised to 915

N1-010915 : Siemens (Robert), Type: LS OUT, Title: Indication of Intra MSC handover from 3G_MSC-B to MSC-A/3G_MSC-A

Discussion :

Conclusion : Agreed

N1-010910 : Ericsson (Francesco), Type: LS OUT, Title: Liaison Statement on THRESHOLD check at RRC connection establishment

Discussion :

Conclusion : Agreed

N1-010911 : Ericsson (Francesco), Type: LS OUT, Title: establishment mapping

Discussion :

Conclusion : Withdrawn

10 Any Other Business

Deadline for Request sheet and Tdoc submission is 5 working days before a meeting, and for CN1#18 that will be Monday evening for the Dresden meeting. A reminder will be issued, and as usual the correct req.sheet and other templates is available on the 3GPP server for the meeting in question.

Late arrivals will be subject for postponement if not enough time for treating all WIs within reasonable meeting hours.

11 Closing of the meeting

15:00 Friday

Review of dates and hosts for future meetings

Meeting schedule for rest of 2001

3GPP Meeting	Date	Place	Host
TSGN#12	13-15 June 2001	Stockholm, Sweden	Ericsson
N1#18	10-12 July 2001	Dresden, Germany	D2 Vodafone
N1#19	27-31 Aug 2001	?	?
TSGN#13	19-21 Sept 2001	Beijing, China	Lucent Technologies, CWTS
N1#20	15-19 October 2001	UK	Vodafone, BT
N1#21	26-30 November 2001	Cancun ?	Nort American friends of 3GPP
TSGN#14	12-14 December 2001	Kyoto, Japan	
N1#22	14-18 January 2002	?	?
TSGN#15	6-8 March 2002	Korea	
N1#23	8-12 April 2002	?	?
N1#24	13-17 May 2002	?	?
TSGN#16	5-7 June 2002	?	
N1#25	29.July-2.August 2002	Finland	Sonera
TSGN#17	4-6 September 2002	France	
N1#26	23-27 September 2002	?	?
N1#27	11-15 November 2002	?	?
TSGN#18	4-6 December 2002	New Orleans, USA	

Annex A Joint meeting report (CN1/ 2/ 3/ 4)

Please see section 8.1 and 8.2

Annex B List of participants

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Annex C Agreed CRs

TDoc #	Spec	CR #	Rev	CAT	Tdoc Title	C_Ver sion	Type	WI	Rel
N1-010816	23.009	028	1	F	Priority selection criteria of calls in a multicall	3.6.0	CR	Multicall	R99
N1-010817	23.009	029	1	A	Priority selection criteria of calls in a multicall	4.0.0	CR	Multicall	Rel- 4
N1-010913	23.009	034	3	F	Indication of Intra MSC handover from 3G_MSC-B to MSC-A/3G_MSC-A	3.6.0	CR	Handover	R99
N1-010914	23.009	035	3	A	Indication of Intra MSC handover from 3G_MSC-B to MSC-A/3G_MSC-A	4.0.0	CR	Handover	Rel- 4
N1-010826	23.009	038		F	Priority selection criteria of calls in a multicall	3.6.0	CR	Multicall	R99
N1-010827	23.009	039		A	Priority selection criteria of calls in a multicall	4.0.0	CR	Multicall	Rel-4
N1-010918	23.122	029	3	F	Partial Roaming - restriction by location area	3.6.0	CR	TEI	R99
N1-010919	23.122	030	3	A	Partial Roaming - restriction by location area	4.0.0	CR	TEI	Rel-4
N1-010819	23.122	031		F	Removal of 'Requirement of priority on High Quality Signal cell concerning Acceptable cell (for limited service as emergency call)' from 23.122	3.6.0	CR	TEI	R99
N1-010820	23.122	032		A	Removal of 'Requirement of priority on High Quality Signal cell concerning Acceptable cell (for limited service as emergency call)' from 23.122	4.0.0	CR	TEI	Rel-4
N1-010821	23.122	033		F	Alignment with stage 1 specification on PLMN background search	3.6.0	CR	TEI	R99
N1-010822	23.122	034		A	Alignment with stage 1 specification on PLMN background search	4.0.0	CR	TEI	Rel-4
N1-010840	24.008	395	3	A	Modification to MS's MM states to enable LCS	3.7.0	CR	LCS	R99
N1-010841	24.008	396	3	A	Modification to MS's MM states to enable LCS	4.2.0	CR	LCS	Rel-4
N1-010837	24.008	402	2	F	Classmark 1,2 and 3 corrections	3.7.0	CR	GSM-UMTS interworking	R99
N1-010838	24.008	403	2	A	Classmark 1,2 and 3 corrections	4.2.0	CR	GSM-UMTS interworking	Rel-4
N1-010861	24.008	415	3	F	Partial Roaming - restriction by location area	3.7.0	CR	TEI	R99
N1-010862	24.008	416	2	A	Partial Roaming - restriction by location area	4.2.0	CR	TEI	Rel-4
N1-010916	24.008	417	2	F	The priority in the CALL	3.7.0	CR	TEI	R99

					PROCEEDING message for eMLPP supporting network						
N1-010917	24.008	418	2	A	The priority in the CALL PROCEEDING message for eMLPP supporting network	4.2.0	CR	TEI		Rel-4	
N1-010853	24.008	419	1	D	Clean up related to V.23, X.75, X.25 and X.32	4.2.0	CR	TEI4		Rel-4	
N1-010859	24.008	420	1	A	Handling of LOCATION UPDATE REJECT by Mobile Stations	3.7.0	CR	TEI		R99	
N1-010860	24.008	421	1	A	Handling of LOCATION UPDATE REJECT by Mobile Stations	4.2.0	CR	TEI		Rel-4	
N1-010830	24.008	422		B	Extended uplink TBF	4.2.0	CR	GERAN		Rel4	
N1-010909	24.008	423	1	F	Correct coding errors in the MS Radio Access Capability IE	4.2.0	CR	TEI4		REL-4	
N1-010903	24.008	425		F	Correct coding errors in the MS Radio Access Capability IE	3.7.0	CR	TEI		R99	
N1-010906	24.008	426	1	B	Introduction of GTT (CTM) support	4.2.0	CR	GTT		Rel-5	
N1-010759	44.064	001		B	Addition of UI Dummy command for use in RLC/MAC delayed TBF release procedure	4.0.0	CR	TEI4		Rel-4	
N1-010854	44.068	002	1	F	Clarification of the coding of otdi information in IA5 format	4.1.1	CR	ASCI		Rel-4	
N1-010855	44.069	002	1	F	Clarification of the coding of otdi information in IA5 format	4.1.1	CR	ASCI		Rel-4	

CRs for e-mail agreement

None

Documents Endorsed by N1

None

Annex D Tdoc list (incl. the status)

TDoc #	Tdoc Title	Source	WI	C_Ver_sion	Rel	CA T	Spec	CR #	Re v	Type	Comments	Status
N1-010684	Agenda	Chairman								AGENDA		AGREED
N1-010685	Proposed LS on introduction of new Mobile Country Codes (MCC)	Chairman								LS OUT	To: TSGN Plenary	AGREED
N1-010686	GPRS attach type in NMO I	GERAN 4								LS IN	G4-010330, but is equal to G4-010221(=N1-010649). Only to N1. LS OUT refer to both.	NOTED copy of N1-010649
N1-010687	Liaison statement: Introduction of release information in the MS Radio Access Capability IE in 3GPP TS 24.008	GERAN 2								LS IN	TSGG#03(01) 0355, to N1 only	Reply in N1-010798

N1-010688	Proposed LS to TSG-T WG1 on cell selection timing.	GERAN							LS IN	TSGG#03(01)0386, to TSG-T1/SIG, TSG-T1/RF and copy N1	NOTED
N1-010689	Response to LS on Information about current status in RAN2 on the interactions between RRC and upper layers	GERAN 2							LS IN	TSGG#03(01)0413, to N1	Reply in N1-010799
N1-010690	LS on DL indication of the network interface	GERAN 2							LS IN	TSGG#03(01)00414, to N1	NOTED
N1-010691	Removal of GPRS Network Operation Mode III	GERAN							LS IN	GP-010453, to S2, copy N1	NOTED
N1-010692	GERAN response to Geographic Shape restriction in LCS and a note on LCS Stage 2.	GERAN 2							LS IN	GP-010943, to S2 with copy to N1	NOTED
N1-010693	Introduction of AMR-WB	GERAN							LS IN	TSGG#4(01)0944, to TSG CN WG1, TSG CN WG4, and TSG SA WG4	Reply in N1-010800
N1-010694	Addition of UI Dummy command for Delayed TBF Release	GERAN							LS IN	Tdoc GP?010948, to N1	NOTED
N1-010695	CR on 24.008 on Modulation based multislot capability	GERAN							LS IN	GP-010977, to N1	NOTED
N1-010696	Indication of Extended uplink TBF capability	GERAN							LS IN	GP-010978, to N1	Reply in N1-010801
N1-010697	LS on "Security for IM SIP session Signaling"	TSG SA2-CN1 Joint SIP Adhoc							LS IN	N1-010588, to S3 and N1 with copy S2	NOTED
N1-010698	Deletion of WIs with impact on other TSGs	CN							LS IN	NP-010211, to SA, S1, S2, T2, T1 with copy N1	NOTED
N1-010699	Response to LS (N1-001315) on Establishment and paging causes	R2							LS IN	R2-010750, to R3 and N1	NOTED
N1-010700	LS on (Equivalent) "PLMN codes" terminology	R2							LS IN	R2-010754, to S1 and N1	NOTED
N1-010701	Refreshing sessions in stateful elements	Ericsson	IMS-CCR	050	Rel-5	24.228			DISCUSSION DOC		REJECTED
N1-010702	Move Annex A to Normative text	ATT, Lucent, Motorola	IMS-CCR	050	Rel-5	24.228	-----		CR	Clause 100 and 101 is not moved from annexA	AGREED
N1-010703	Handling of non-mutual configuration hiding	ATT	IMS-CCR	050	Rel-5	24.228	-----		CR	To be put in the main part	AGREED
N1-010704	Configuration hiding in BGCF	ATT	IMS-CCR	050	Rel-5	24.228	-----		CR		REJECTED

N1-010705	I-CSCF updating of private URL in Anonymous calling	ATT	IMS-CCR	050	Rel-5		24.228	-----		CR	To be put in the main part	AGREED
N1-010706	Call Transfer Procedures	ATT	IMS-CCR	050	Rel-5		24.228	-----		CR	To be put in the annex	AGREED
N1-010707	Document structure and contents for "Normal" error cases	ATT	IMS-CCR	050	Rel-5		24.228	-----		CR	To be put in the annex	AGREED
N1-010708	State information stored in P-CSCF and S-CSCF	ATT	IMS-CCR	050	Rel-5		24.228	-----		CR		REVISED TO 883
N1-010709	The usage of Request URI, Route and RR headers in signalling flows	Nokia/Bajkó Gábor	IMS-CCR	0.5.0	Rel-5		24.228			CR		REVISED TO 904
N1-010710	Re-Registration- S-CSCF From Previous Registration Not Available	Nokia/Bajkó Gábor	IMS-CCR	0.5.0	Rel-5		24.228			CR	Send a LS in 885	NOTED
N1-010711	Exceptional cases in Registration flows	Nokia/Bajkó Gábor	IMS-CCR	0.5.0	Rel-5		24.228			CR		REVISED TO 886
N1-010712	Network initiated de-registration	Nokia/Bajkó Gábor	IMS-CCR	0.5.0	Rel-5		24.228			CR		REVISED TO 895
N1-010713	Warning header in 403 Forbidden	Nokia/Bajkó Gábor	IMS-CCR	0.5.0	Rel-5		24.228			CR		AGREED
N1-010714	Using Subscribe/Notify to Authenticate users after registration	Nokia/Bajkó Gábor	IMS-CCR	0.5.0	Rel-5		24.228			DISCUSSION DOC		NOTED
N1-010715	Usage of Path header in no-hiding case	Nokia/Bajkó Gábor	IMS-CCR	0.5.0	Rel-5		24.228			CR		REVISED TO 874
N1-010716	Hiding decision	Nokia/Bajkó Gábor	IMS-CCR	0.5.0	Rel-5		24.228			DISCUSSION DOC		WITHDRAWN
N1-010717	Usage of Location Reporting for Relocation and inter-system handover	Siemens	GSM / UMTS interworking	3.6.0	R99	F	23.009	036		CR		REJECTED
N1-010718	Reply to GERAN WG4 on GPRS attach type in NMO I	CN1 (MCUK?)								LS OUT	To: GERAN WG4 GPRS	AGREED
N1-010719	The priority in the CALL PROCEEDING message for eMLPP supporting network	Ericsson	TEI	3.7.0	R99	F	24.008	417		CR		REVISED TO 828
N1-010720	The priority in the CALL PROCEEDING message for eMLPP supporting network	Ericsson	TEI	4.2.0	Rel-4	A	24.008	418		CR		REVISED TO 829
N1-010721	Partial Roaming - restriction by location area	Hutchison3g	TEI	3.7.0	R99	F	24.008	415	1	CR		REVISED TO 833
N1-010722	Partial Roaming - restriction by location area	Hutchison3g	TEI	4.2.0	Rel-4	A	24.008	416		CR		REVISED TO 834
N1-010723	Partial Roaming - restriction by location	Hutchison3g	TEI	3.6.0	R99	F	23.122	029		CR		REVISED TO 835

	area											
N1-010724	Partial Roaming - restriction by location area	Hutchison3g	TEI	4.0.0	Rel-4	A	23.122	030		CR		REVISED TO 836
N1-010725	Indication of Intra MSC handover from 3G_MSC-B to MSC-A/3G_MSC-A	Nokia/Inma Carrion	Hand over	3.6.0	R99	F	23.009	034		CR		REVISED TO 831
N1-010726	Indication of Intra MSC handover from 3G_MSC-B to MSC-A/3G_MSC-A	Nokia/Inma Carrion	Hand over	4.0.0	Rel-4	A	23.009	035		CR		REVISED TO 832
N1-010727	Mapping of NAS procedures to RRC Establishment causes	Ericsson	TEI	3.7.0	R99	F	24.008	412	2	CR		REVISED TO 868
N1-010728	Mapping of NAS procedures to RRC Establishment Cause	Ericsson	TEI	4.2.0	Rel-4	A	24.008	413	2	CR		REVISED TO 869
N1-010729	Clarification of the coding of otdi information in IA5 format	Siemens	ASCII	4.1.1	Rel-4	F	44.068	002	-	CR		REVISED TO 854
N1-010730	Clarification of the coding of otdi information in IA5 format	Siemens	ASCII	4.1.1	Rel-4	F	44.069	002	-	CR		REVISED TO 855
N1-010731	Replacement of references for DTMF in TS 23.014 and 24.008	Siemens	TEI							Disc		NOTED
N1-010732	LS on priority selection criteria of calls in a multical	Siemens	Multicall							LS OUT	Tdocs N1-010816, 817, 826, 827 and 732 are linked	REVISED TO 870
N1-010733	More service control tasks in 24.228	Lucent Technologies / Xin Chen	IMS-CCR	0.5.0	Rel-5		24.228			CR		REVISED TO 891
N1-010734	Editorial modifications to 24.228	Nortel Networks	IMS-CCR	0.5.0	Rel-5		24.228			CR		REVISED TO 898
N1-010735	Using NOTIFY in Network Initiated Deregistration procedure	Nortel Networks	IMS-CCR	0.5.0	Rel-5		24.228			CR		REVISED TO 877
N1-010736	Explicit Subscription for User's Registration Information	Nortel Networks	IMS-CCR	0.5.0	Rel-5		24.228			CR		NOTED
N1-010737	Current draft 24.229: "IP Multimedia Call Control Protocol based on SIP and SDP"	Lucent Technologies / Keith Drage	IMS-CCR	0.2.0	5		24.229			TS		NOTED
N1-010738	An analysis of the requirements for the Max-Forwards header	Lucent Technologies / Keith Drage	IMS-CCR	0.2.0	Rel-5		24.229			CR		AGREED
N1-010739	CR to 24.229 specifying the mapping of IM CN subsystem functional entities to SIP roles	Lucent Technologies / Keith Drage	IMS-CCR	0.2.0	5		24.229			CR		REVISED TO 912
N1-010740	Summary of current IETF documents in SIP	Lucent Technol	IMS-CCR							INFO		NOTED

		ogies / Keith Drage										
N1-010741	Summary of current IETF documents in SIPPING	Lucent Technologies / Keith Drage	IMS-CCR							INFO		NOTED
N1-010742	Summary of current IETF documents in MMUSIC	Lucent Technologies / Keith Drage	IMS-CCR							INFO		NOTED
N1-010743	Summary of current IETF documents on SIMPLE	Lucent Technologies / Keith Drage	IMS-CCR							INFO		NOTED
N1-010744	Update of status-code tables in TS 24.229	Lucent Technologies / Keith Drage	IMS-CCR	0.2.0	Rel-5		24.229			CR		WITHDRAWN
N1-010745	Locating the home I-CSCF	Lucent Technologies / Milo Orsic	IMS-CCR	0.2.0	Rel-5		24.229			CR		REVISED TO 889
N1-010746	Handling of IMCP messages by SIP	Lucent Technologies / Milo Orsic	IMS-CCR							DISCUSSION DOC		REVISED TO 892
N1-010747	Signalling flow for session establish reject due to terminal out of radio coverage	Lucent Technologies / Xin Chen	IMS-CCR	0.5.0	Rel-5		24.228			CR	To be put in the annex	AGREED
N1-010748	Signalling flow for session establish reject due to service reject on 200 OK response	Lucent Technologies / Xin Chen	IMS-CCR	0.5.0	Rel-5		24.228			CR		NOTED
N1-010749	Service Triggers in SIP telephony network	Lucent Technologies / Xin Chen	IMS-CCR	0.5.0	Rel-5		23.218			CR		AGREED
N1-010750	Partial Roaming Background Discussion	Hutchison3g	TEI4		Rel-4							WITHDRAWN
N1-010751	Partial Roaming - PLMN Radio Access Technology identifier	Hutchison3g	TEI4	4.2.0	Rel-4	F	24.008	414		CR		WITHDRAWN
N1-010752	Partial Roaming - PLMN Radio Access Technology identifier	Hutchison3g	TEI4	4.0.0	Rel-4	F	23.122	028		CR		WITHDRAWN
N1-010753	Addressing B2BUA in a SIP network	Ericsson								DISCUSSION DOC		NOTED
N1-	Network initiated SIP	Ericsson								DISC		NOTED

010754	session termination using REFER	n								USSI ON DOC		
N1-010755	Network initiated SIP session termination using 503 response/timeouts	Ericsson								DISC USSI ON DOC		NOTED
N1-010756	24.228v050 "Signalling flows for the IP multimedia call control based on SIP and SDP"	Motorola A. Allen	IMS-CCR	050	Rel-5	-	24.228			INFO		NOTED
N1-010757	Registration Failure - Cx-Profile Transaction Failure	Motorola A. Allen	IMS-CCR	050	Rel-5		24.228			CR		WITHDRAWN
N1-010758	Understanding the alignment of PATH header with IETF SIP	NTT Comware/ Hiroshi Ishikawa								DISC USSI ON DOC		NOTED
N1-010759	Addition of UI Dummy command for use in RLC/MAC delayed TBF release procedure	Motorola Apostolis	TEI4	4.0.0	Rel-4	B	44.064	001		CR		AGREED
N1-010760	SIP/SDP compression	Motorola A. Allen	IMS-CCR	050	Rel-5	-	24.228			DISC USSI ON DOC		WITHDRAWN
N1-010761	Modification to scope of TS 23.218	Motorola A. Allen	IMS-CCR	050	Rel-5	-	23.218			CR		NOTED
N1-010762	TS 23.218 v.0.5.0	Motorola A. Allen	IMS-CCR	050	Rel-5	-	23.218			INFO		NOTED
N1-010763	Adding New Definitions to 21.905	Lucent Technologies/Xin Chen	IMS-CCR							INFO		REJECTED
N1-010764	Introduction of AMR-WB	Nokia	AMR-WB	4.1.1	Rel-5	B	24.008		-	CR		REJECTED
N1-010765	LS on RRC connection release cause for lu connection failure	R2								LS IN	R2-010757, to N1	NOTED
N1-010766	LS on THRESHOLD check at RRC connection establishment	R2								LS IN	R2-010981, to S3 and N1.	Reply in N1-010910
N1-010767	Response (to TSG-CN WG1) to LS (N1-010494) on RRC establish cause mapping	R2								LS IN	R2-010984, to N1 and R3	Reply in N1-010813
N1-010768	Response to LS (N1-010485) on T3240 timer problem and correction proposals	R2								LS IN	R2-010985, to N1	NOTED
N1-010769	Response to LS (N1-001407) on "Behaviour in the Forward Handover Scenario without an lur in Release 99"	R3								LS IN	R3-010218, to N1	NOTED
N1-	Response to LS on	R3								LS IN	R3#18(01)02	NOTED

010770	Information about current status in RAN2 on the interactions between RRC and upper layers										79, to N1	
N1-010771	Response to LS - UTRAN Initiated RAB Renegotiation/Reconfiguration	R3							LS IN	R3#18(01)0305, to N1	Reply in N1-010814	
N1-010772	Response Liaison on the usage of Paging Cause IE in a Paging message	R3							LS IN	R3#18(01)0312, to N1	NOTED	
N1-010773	Response to LSs related to optimised IP speech and header removal support in GERAN	R3							LS IN	R3#19(01)0890, to S2 and GERAN with copy to N1	NOTED	
N1-010774	LS on NAS messages maximum length	R3							LS IN	R3#19(01)0953, to N1	Reply in N1-010815	
N1-010775	LS on basic and advanced services examples	S1							LS IN	S1 (01) 0271, to SA and S2 with copy N1	NOTED	
N1-010776	Response to LS on Routeing Parameter in the Initial Direct Transfer message	S2							LS IN	S2-010705, to GERAN with copy N1	NOTED	
N1-010777	Proposed Reply LS on Joint Mobility Management session for GERAN	S2							LS IN	S2-010717, to GERAN and R3 with copy N1	NOTED	
N1-010778	TR 31.900 - SIM/USIM Internal and External Interworking Aspects	S3							LS IN	S3-010099, to T3, N1 and T2	NOTED	
N1-010779	UE functionality split over physical devices	S3							LS IN	S3-010133, to T2, S1 and S2 with copy to N1	NOTED	
N1-010780	Reply LS on Security implications of supporting "hiding"	S3							LS IN	S3z010060, to N1 and S2	NOTED	
N1-010781	LS answer on support of DTX and No_Data frames.	S4							LS IN	S4-(01)0123, to N1, N4, R2 and R3	NOTED	
N1-010782	LS on RAB Assignment and QoS Negotiation	S4							LS IN	S4-(01)0126, to N1, N4, S2 and R3	NOTED	
N1-010783	LS Reply on Codec Type UMTS_AMR_2	S4							LS IN	S4-010243, to GERAN, T, N4, R1 and R2 with copy N1	NOTED	
N1-010784	LS on TSG-SA4 request for information with regard to the applicable residual (undetected) bit error ratios for radio bearers that should carry RTP/UDP/IP packets compressed with ROHC	S4,Matsushita, Nokia							LS IN	S4-(01)0270, to R2 with copy N1	NOTED	
N1-010785	TR 31.900 - SIM/USIM Internal and External Interworking Aspects	T3							LS IN	T3-010109, to S1, S3, T2, N1	NOTED	

N1-010786	Introduction of features from the CPHS for 3G Rel-4	T3								LS IN	T3-010112, to T2 with copy N1	NOTED
N1-010787	Enhancement of CPHS Network Operator Name Feature for 3G Rel-4	T3								LS IN	T3-010232, to N1	NOTED
N1-010788	GPRS operator preferences for 3G Rel-4	T3								LS IN	T3-010245, to S1 with copy N1	NOTED
N1-010789	Response to LS (T2-000793) on discussion document on UE functionality split over physical devices	T3								LS IN	T3-010250, to T, T2, S3 and N1	NOTED
N1-010790	Report on specifications under N1 responsibility	MCC								Info	Agreed that TR 23.814 (MS CM) and 23.972 (CS multimedia) will remain in R99 in version 3.0.0 and not raised to version 4.0.0 in Rel-4 (or later releases)	NOTED
N1-010791	Minutes from SIP#04	Chairman								REPORT		NOTED
N1-010792	Meeting Report Minutes from TSG CN WG1# Ad Hoc, R99 old stuff	MCC								REPORT	UNTIL 5 working days after this meeting	E-Mail APPROVAL
N1-010793	DRAFT STATUS REPORT v2.0.0 3GPP TSG-CN#11	MCC								REPORT		NOTED
N1-010794	Draft Report of TSG SA meeting #11, version 0.0.5	MCC								REPORT		NOTED
N1-010795	Latest 3GPP workplan modified with N1 issues	MCC								WORK PLAN		NOTED
N1-010796	Rejection of 2G Authentication and Key Agreement by 3G ME with USIM in UTRAN	T3								LS IN	T3-010379, to SA, SA1, SA3, T, T2, CN1	NOTED
N1-010797	Classmark 1,2 and 3 corrections (Reply to N1-010620 (GP-010847))	Duncan Mills / Vodafone								LS OUT	Reply to N1-010620	REVISED TO 908
N1-010798	Proposed response LS on Introduction of release information in the MS Radio Access Capability IE in 3GPP TS 24.008	Eiko								LS OUT	Reply to N1-010687	REVISED TO 902
N1-010799	Liaison Statement on "Duplication avoidance protocol moved from 04.18 to 24.007"	Francesco								LS OUT	Reply to N1-010689. To: GERAN WG2 Cc: R2, R3	AGREED

N1-010800	Introduction of AMR-WB	Rouzbeh/Inma								LS OUT	Reply to N1-010693 To: GERAN Cc: N4, S4	AGREED
N1-010801	Indication of Extended uplink TBF capability	Andrew								LS OUT	Reply to N1-010696 To: GERAN Cc: S2, CN, SA	AGREED
N1-010802	Clean up related to V.23, X.75, X.25 and X.32	L.M. Ericsson/Zdravko	TEI4	4.2.0	Rel-4	D	24.008	419		CR		REVISED TO 853
N1-010803	Discussion on Dummy LLC PDU	Motorola Apostolis	TEI4	4.0.0	Rel-4		44.064			DISCUSSION DOC		NOTED
N1-010804	Introduction of GTT (CTM) support	Nokia/Pasi Ylinen	GTT	4.2.0	Rel-5	B	24.008			CR		REVISED TO 894
N1-010805	Introduction of CTM codec type	Nokia/Pasi Ylinen	GTT	5.0.0	Rel-5	B	26.103			CR		WITHDRAWN
N1-010806	Handling of LOCATION UPDATE REJECT by Mobile Stations	Duncan Mills / Vodafone	TEI	6.14.0	R97	F	04.08	A1105		CR		REVISED TO 857
N1-010807	Handling of LOCATION UPDATE REJECT by Mobile Stations	Duncan Mills / Vodafone	TEI	7.11.0	R98	A	04.08	A1107		CR		REVISED TO 858
N1-010808	Handling of LOCATION UPDATE REJECT by Mobile Stations	Duncan Mills / Vodafone	TEI	3.7.0	R99	A	24.008	420		CR		REVISED TO 859
N1-010809	Handling of LOCATION UPDATE REJECT by Mobile Stations	Duncan Mills / Vodafone	TEI	4.2.0	Rel-4	A	24.008	421		CR		REVISED TO 860
N1-010810	Classmark 1,2 and 3 corrections	Duncan Mills / Vodafone	GSM / UMTS interworking	3.7.0	R99	F	24.008	402	1	CR		REVISED TO 837
N1-010811	Classmark 1,2 and 3 corrections	Duncan Mills / Vodafone	GSM / UMTS interworking	4.2.0	Rel-4	A	24.008	403	1	CR		REVISED TO 838
N1-010812	An alternative solution to the Path: header extension	Ericsson	IMS-CCR	0.5.0	Rel-5		24.228			CR		NOTED
N1-010813	Liaison Statement on "RRC establish cause mapping"	Francesco								LS OUT	Reply to N1-010767 To: R2	AGREED
N1-010814	Response to LS -UTRAN Initiated RAB Renegotiation/Reconfiguration (N1-010771 or TSGR3#18(01)0305)	Apostolis								LS OUT	Reply to N1-010771 To: R3 Cc: S2	AGREED
N1-010815	Response to LS on NAS messages maximum length	Apostolis								LS OUT	Reply to N1-010774 To: R3	AGREED

	(N1-010774 or TSGR3#19(01)0953)										Cc: R2	
N1-010816	Priority selection criteria of calls in a multicall	Nokia/Inma Carrion	Multicall	3.6.0	R99	F	23.009	028	1	CR	Depending R3 answer to 870, the set 816/817 or 826/827 is agreed, and the set is 'critical' input to CN#12	AGREED
N1-010817	Priority selection criteria of calls in a multicall	Nokia/Inma Carrion	Multicall	4.0.0	Rel-4	A	23.009	029	1	CR	Depending R3 answer to 870, the set 816/817 or 826/827 is agreed, and the set is 'critical' input to CN#12	AGREED
N1-010818	Use Supported Codecs IE for all new codec types	Ericsson/Phil	AMRWB		Rel-5					DISCUSSION DOC		NOTED
N1-010819	Removal of 'Requirement of priority on High Quality Signal cell concerning Acceptable cell (for limited service as emergency call)' from 23.122	France Telecom	TEI	3.6.0	R99	F	23.122	031		CR		AGREED
N1-010820	Removal of 'Requirement of priority on High Quality Signal cell concerning Acceptable cell (for limited service as emergency call)' from 23.122	France Telecom	TEI	4.0.0	Rel-4	A	23.122	032		CR		AGREED
N1-010821	Alignment with stage 1 specification on PLMN background search	France Telecom	TEI	3.6.0	R99	F	23.122	033		CR		AGREED
N1-010822	Alignment with stage 1 specification on PLMN background search	France Telecom	TEI	4.0.0	Rel-4	A	23.122	034		CR		AGREED
N1-010823	Modification to MS's MM states to enable LCS	Nokia / Hannu Hietlahti	LCS	3.7.0	R99	A	24.008	395	2	CR		REVISED TO 840
N1-010824	Modification to MS's MM states to enable LCS	Nokia / Hannu Hietalahti	LCS	4.2.0	Rel-4	A	24.008	396	2	CR		REVISED TO 841
N1-010825	Usage of Location Reporting for Relocation and inter-system handover	Siemens	GSM / UMTS interworking	4.0.0	Rel-4	A	23.009	037		CR		WITHDRAWN
N1-010826	Priority selection criteria of calls in a multicall	Siemens	Multicall	3.6.0	R99	F	23.009	038		CR	Depending R3 answer to 870, the set 816/817 or 826/827 is	AGREED

											agreed, and the set is 'critical' input to CN#12	
N1-010827	Priority selection criteria of calls in a multical	Siemens	Multicall	4.0.0	Rel-4	A	23.009	039		CR	Depending R3 answer to 870, the set 816/817 or 826/827 is agreed, and the set is 'critical' input to CN#12	AGREED
N1-010828	The priority in the CALL PROCEEDING message for eMLPP supporting network	Ericsson	TEI	3.7.0	R99	F	24.008	417	1	CR	Revised from 719	REVISED TO 916
N1-010829	The priority in the CALL PROCEEDING message for eMLPP supporting network	Ericsson	TEI	4.2.0	Rel-4	A	24.008	418	1	CR	Revised from 720	REVISED TO 917
N1-010830	Extended uplink TBF	Ericsson	GERAN	4.2.0	Rel-4	B	24.008	422		CR		AGREED
N1-010831	Indication of Intra MSC handover from 3G_MSC-B to MSC-A/3G_MSC-A	Nokia/Inma Carrion	Handover	3.6.0	R99	F	23.009	034	1	CR	Revised from 725	REVISED TO 871
N1-010832	Indication of Intra MSC handover from 3G_MSC-B to MSC-A/3G_MSC-A	Nokia/Inma Carrion	Handover	4.0.0	Rel-4	A	23.009	035	1	CR	Revised from 726	REVISED TO 872
N1-010833	Partial Roaming - restriction by location area	Hutchison3g	TEI	3.7.0	R99	F	24.008	415	2	CR	Revised from 721	REVISED TO 861
N1-010834	Partial Roaming - restriction by location area	Hutchison3g	TEI	4.2.0	Rel-4	A	24.008	416	1	CR	Revised from 722	REVISED TO 862
N1-010835	Partial Roaming - restriction by location area	Hutchison3g	TEI	3.6.0	R99	F	23.122	029	1	CR	Revised from 723	REVISED TO 863
N1-010836	Partial Roaming - restriction by location area	Hutchison3g	TEI	4.0.0	Rel-4	A	23.122	030	1	CR	Revised from 724	REVISED TO 864
N1-010837	Classmark 1,2 and 3 corrections	Duncan Mills / Vodafone	GSM / UMTS interworking	3.7.0	R99	F	24.008	402	2	CR	Revised from 810	AGREED
N1-010838	Classmark 1,2 and 3 corrections	Duncan Mills / Vodafone	GSM / UMTS interworking	4.2.0	Rel-4	A	24.008	403	2	CR	Revised from 811	AGREED
N1-010839	Correct coding errors in the MS Radio Access Capability IE	Ericsson	TEI4	4.2.0	REL-4	F	24.008	423		CR		REVISED TO 909
N1-010840	Modification to MS's MM states to enable LCS	Nokia / Hannu Hietalahti	LCS	3.7.0	R99	A	24.008	395	3	CR	Revised from 823	AGREED
N1-010841	Modification to MS's MM states to enable LCS	Nokia / Hannu Hietalahti	LCS	4.2.0	Rel-4	A	24.008	396	3	CR	Revised from 824	AGREED

N1-010842	Request for information from GSM Europe on 3 digit MNC	S1								LS IN	S1-010518, to N1	Reply in N1-010867
N1-010843	LS on (Equivalent) "PLMN identity" terminology	S1								LS IN	S1-010544, to N1 and R2	NOTED
N1-010844	LS on "IM CN Subsystem Roaming"	S1								LS IN	S1-010569, to N1	NOTED
N1-010845	Liaison Statement on UE Functionality Split	S1								LS IN	S1-010575, to T2, T3, S2, S3, N1	NOTED
N1-010846	Editorial comments on 24.229	Lucent Technologies / Keith Drage	IMS-CCR	0.2.0	Rel-5		24.229			CR		AGREED
N1-010847	Table for major capabilities	Lucent Technologies / Keith Drage	IMS-CCR	0.2.0	Rel-5		24.229			CR	To be put in the main part	AGREED
N1-010848	An analysis of the requirements for the Timestamp header	Lucent Technologies / Keith Drage	IMS-CCR	0.2.0	Rel-5		24.229			CR		AGREED
N1-010849	Editorial comments on 24.228	Lucent Technologies / Keith Drage	IMS-CCR	0.5.0	Rel-5		24.228			CR		AGREED
N1-010850	Revision of the key in 24.228 for empty headers	Lucent Technologies / Keith Drage	IMS-CCR	0.5.0	Rel-5		24.228			CR		REJECTED
N1-010851	Removal of duplicated material from 23.228 in introductory part of clause 8 of 24.228	Lucent Technologies / Keith Drage	IMS-CCR	0.5.0	Rel-5		24.228			CR		REVISED TO 900
N1-010852	Signalling flow for session release	Lucent Technologies / Keith Drage	IMS-CCR	0.5.0	Rel-5		24.228			CR		REVISED TO 884
N1-010853	Clean up related to V.23, X.75, X.25 and X.32	L.M. Ericsson / Zdravko	TEI4	4.2.0	Rel-4	D	24.008	419	1	CR	Revised from 802	AGREED
N1-010854	Clarification of the coding of otdi information in IA5 format	Siemens	ASCI	4.1.1	Rel-4	F	44.068	002	1	CR	Revised from 729	AGREED
N1-010855	Clarification of the coding of otdi information in IA5 format	Siemens	ASCI	4.1.1	Rel-4	F	44.069	002	1	CR	Revised from 729	AGREED
N1-010856	Adding New Definitions to 21.905	Lucent Technologies/Xin Chen	IMS-CCR							INFO		REVISED TO 873
N1-010857	Handling of LOCATION UPDATE REJECT by	Duncan Mills /	TEI	6.14.0	R97	F	04.08	A1105	1	CR	Revised from 806	REJECTED

	Mobile Stations	Vodafone										
N1-010858	Handling of LOCATION UPDATE REJECT by Mobile Stations	Duncan Mills / Vodafone	TEI	7.11.0	R98	A	04.08	A1107	1	CR	Revised from 807	REJECTED
N1-010859	Handling of LOCATION UPDATE REJECT by Mobile Stations	Duncan Mills / Vodafone	TEI	3.7.0	R99	A	24.008	420	1	CR	Revised from 808	AGREED
N1-010860	Handling of LOCATION UPDATE REJECT by Mobile Stations	Duncan Mills / Vodafone	TEI	4.2.0	Rel-4	A	24.008	421	1	CR	Revised from 809	AGREED
N1-010861	Partial Roaming - restriction by location area	Hutchison3g	TEI	3.7.0	R99	F	24.008	415	3	CR	Revised from 833	AGREED
N1-010862	Partial Roaming - restriction by location area	Hutchison3g	TEI	4.2.0	Rel-4	A	24.008	416	2	CR	Revised from 834	AGREED
N1-010863	Partial Roaming - restriction by location area	Hutchison3g	TEI	3.6.0	R99	F	23.122	029	2	CR	Revised from 835	REVISED TO 918
N1-010864	Partial Roaming - restriction by location area	Hutchison3g	TEI	4.0.0	Rel-4	A	23.122	030	2	CR	Revised from 836	REVISED TO 919
N1-010865	SIP/SDP compression	Motorola A. Allen	IMS-CCR	050	Rel-5	-	24.228			DISC		NOTED
N1-010866	Registration Failure - Cx-Profile Transaction Failure "forbidden"	Motorola A. Allen	IMS-CCR	050	Rel-5	-	24.228			CR		REVISED TO 896
N1-010867	Request for information from GSM Europe on 3 digit MNC	Andrew								LS OUT	Reply to N1-010842 To: S1, CN, SA Cc: N4	AGREED
N1-010868	Mapping of NAS procedures to RRC Establishment causes	Ericsson	TEI	3.7.0	R99	F	24.008	412	3	CR	Revised from 727, LS to be sent to R2 in 911	REJECTED
N1-010869	Mapping of NAS procedures to RRC Establishment Cause	Ericsson	TEI	4.2.0	Rel-4	A	24.008	413	3	CR	Revised from 728	REJECTED
N1-010870	LS on Priority Selection Criteria of Calls in a Multicall	Siemens	Multicall							LS OUT	Revised from 732, Tdocs N1-010816, 817, 826, 827 and 870 are linked To: R3 Cc: S1	AGREED
N1-010871	Indication of Intra MSC handover from 3G_MSC-B to MSC-A/3G_MSC-A	Nokia/Inma Carrion	Handover	3.6.0	R99	F	23.009	034	2	CR	Revised from 831	REVISED TO 913
N1-010872	Indication of Intra MSC handover from 3G_MSC-B to MSC-A/3G_MSC-A	Nokia/Inma Carrion	Handover	4.0.0	Rel-4	A	23.009	035	2	CR	Revised from 832	REVISED TO 914
N1-010873	Liaison Statement on Adding New Definitions to 21.905	Lucent Technologies/Xi	IMS-CCR							LS OUT	Revised from 856 To: S1, SA	AGREED

		n Chen									Cc: S2, GERAN 2	
N1-010874	Usage of Path header in no-hiding case	Nokia/ Bajkó Gábor	IMS- CCR	0.5.0	Rel- 5	24.22 8			CR	Revised from 715. To be put in the main part	AGREED	
N1-010875	PSTN originated calls	France Teleco m							DISC		AGREED	
N1-010876	Mobile terminated calls when user is only reachable through the CS domain	France Teleco m							DISC USSI ON DOC		WITHDRAWN	
N1-010877	Using NOTIFY in Network Initiated Deregistration procedure	Nortel Network s	IMS- CCR	0.5.0	Rel- 5	24.22 8			CR	Revised from 735	REVISED TO 895	
N1-010878	Modification to MS's MM states to enable LCS	Qualco mm	LCS	3.7.0	R99	24.00 8			CR		WITHDRAWN	
N1-010879	Modification to MS's MM states to enable LCS	Qualco mm	LCS	4.2.0	Rel- 4	24.00 8			CR		WITHDRAWN	
N1-010880	Modification to MS's MM states to enable LCS signalling on RR layer	Qualco mm	LCS	7.11.0	R98	04.08			CR	Revised from 681, which was agreed in AdHOC	WITHDRAWN	
N1-010881	LS "on GPRS work covering break in radio transmission"	CN WG1- SA2 SIP joint meeting							LS IN	N1-010582, to be forwarded to CN4 from joint N1-4	NOTED	
N1-010882	REPORT on Analysis of Call Flows without Path:	Dynami csoft, Ericss on							DISC USSI ON DOC		NOTED	
N1-010883	State information stored in P-CSCF and S-CSCF	ATT	IMS- CCR	050	Rel- 5	24.22 8	-----		CR	Revised from 708. To be put in the annex	AGREED	
N1-010884	Signalling flow for session release	Lucent Technol ogies / Keith Drage	IMS- CCR	0.5.0	Rel- 5	24.22 8			CR	Revision of 852. To be put in the annex	AGREED	
N1-010885	Re-Registration-- S-CSCF From Previous Registration Not Available	Gabor				24.22 8			CR	Related to 710. To be put in the annex	AGREED	
N1-010886	Exceptional cases in Registration flows	Nokia/ Bajkó Gábor	IMS- CCR	0.5.0	Rel- 5	24.22 8			CR	Revised from 711	WITHDRAWN	
N1-010887	Mobile terminated calls when user is not reachable through the IM sub-system	France Teleco m				24.22 8			DISC USSI ON DOC		REJECTED	
N1-010888	Response to LS N1-010504 (S2-010798r2)	Magnus							LS OUT	LS IN in 504 to the joint meeting is related. Reply of N1-010504 To: S2 Cc: N2, N3, N4	AGREED	

N1-010889	Locating the home I-CSCF	Lucent Technologies / Milo Orsic	IMS-CCR	0.2.0	Rel-5		24.229		CR	Revised from 745	REVISED TO 907
N1-010890	Liaison Statement on the IM Call Transfer service	Sunil							LS OUT	Related with N1-010706 To: S3, S5 Cc: S2, N2, N3, N4	AGREED
N1-010891	More service control tasks in 24.228	Lucent Technologies / Xin Chen	IMS-CCR	0.5.0	Rel-5		24.228		CR	Revised from 733	AGREED
N1-010892	Liaison Statement on "Handling of ICMP messages by 3GPP SIP Implementations"	Milo							LS OUT	Related with N1-010746 To: S3	AGREED
N1-010893	Proposed revision of the presentation of SIP headers in 24.228	Duncan Mills / Vodafone					24.228		DISCUSSION DOC	To be implemented to v1.1.0	AGREED
N1-010894	Introduction of GTT (CTM) support	Nokia/Pasi Ylinen	GTT	4.2.0	Rel-5	B	24.008		CR	Revised from 804	WITHDRAWN
N1-010895	Using NOTIFY in Network Initiated Deregistration procedure	Nokia/Nortel Networks	IMS-CCR	0.5.0	Rel-5		24.228		CR	Revised from 712 and 877. To be put in the annex	AGREED
N1-010896	Registration Failure - Cx-Profile Transaction Failure "forbidden"	Motorola A. Allen	IMS-CCR	050	Rel-5	-	24.228		CR	Revised from 866	WITHDRAWN
N1-010897	Indication of Intra MSC handover from 3G_MSC-B to MSC-A/3G_MSC-A	Siemens	GSM / UMTS interworking						LS OUT		REVISED TO 915
N1-010898	Editorial modifications to 24.228	Nortel Networks	IMS-CCR	0.5.0	Rel-5		24.228		CR	Revised from 734	AGREED
N1-010899	Default Codec For UMTS & GSM dual systems	Ericsson/Phil	TrFo	4.2.0	Rel-4	F	24.008	424	CR		REJECTED
N1-010900	Removal of duplicated material from 23.228 in introductory part of clause 8 of 24.228	Lucent Technologies / Keith Drage	IMS-CCR	0.5.0	Rel-5		24.228		CR	Revised from 851	AGREED
N1-010901	Explicit Subscription for User's Registration Information	Nortel Networks	IMS-CCR	0.5.0	Rel-5		24.228		CR		NOTED
N1-010902	Response LS on Introduction of release information in the MS Radio Access Capability IE in 3GPP TS 24.008	Eiko							LS OUT	Reply to N1-010687, revised from 798 To: GERAN2	AGREED
N1-010903	Correct coding errors in the MS Radio Access Capability IE	Ericsson	TEI	3.7.0	R99	F	24.008	425	CR	903 and 909 as 'critical' input to CN#12	AGREED
N1-010904	The usage of Request URI, Route and RR	Nokia/Bajkó	IMS-CCR	0.5.0	Rel-5		24.228		CR	Revised from 709	NOTED

	headers in signalling flows	Gábor										
N1-010905	Introduction of GTT (CTM) support	Nokia/Pasi Ylinen	GTT	4.2.0	Rel-5	B	24.008	426		CR	Revised from 894	REVISED TO 906
N1-010906	Introduction of GTT (CTM) support	Nokia/Pasi Ylinen	GTT	4.2.0	Rel-5	B	24.008	426	1	CR	Revised from 905. Input as 'critical' to CN#12	AGREED
N1-010907	Locating the home I-CSCF	Lucent Technologies / Milo Orsic	IMS-CCR	0.2.0	Rel-5		24.229			CR	Revised from 889	AGREED
N1-010908	Liaison Statement on "24.008 CR for Classmark Issues"	Duncan Mills / Vodafone								LS OUT	Reply to N1-010620, revised from 797 To: GERAN, R2	AGREED
N1-010909	Correct coding errors in the MS Radio Access Capability IE	Ericsson	TEI4	4.2.0	REL-4	F	24.008	423	1	CR	Revised from 839	AGREED
N1-010910	Liaison Statement on THRESHOLD check at RRC connection establishment	Francesco								LS OUT	To: R2, S3 Cc: T3	AGREED
N1-010911	establishment mapping	Francesco								LS OUT	Related to 868/869	WITHDRAWN
N1-010912	CR to 24.229 specifying the mapping of IM CN subsystem functional entities to SIP roles	Lucent Technologies / Keith Drage	IMS-CCR	0.2.0	Rel-5		24.229			CR	Revised from 739	AGREED
N1-010913	Indication of Intra MSC handover from 3G_MSC-B to MSC-A/3G_MSC-A	Nokia/Inma Carrion	Hand over	3.6.0	R99	F	23.009	034	3	CR	Revised from 871	AGREED
N1-010914	Indication of Intra MSC handover from 3G_MSC-B to MSC-A/3G_MSC-A	Nokia/Inma Carrion	Hand over	4.0.0	Rel-4	A	23.009	035	3	CR	Revised from 872	AGREED
N1-010915	Liaison Statement on Indication of Intra MSC handover from 3G_MSC-B to MSC-A/3G_MSC-A	Siemens	GSM / UMTS interworking							LS OUT	Revised from 897 To: R3	AGREED
N1-010916	The priority in the CALL PROCEEDING message for eMLPP supporting network	Ericsson	TEI	3.7.0	R99	F	24.008	417	2	CR	Revised from 828	AGREED
N1-010917	The priority in the CALL PROCEEDING message for eMLPP supporting network	Ericsson	TEI	4.2.0	Rel-4	A	24.008	418	2	CR	Revised from 829	AGREED
N1-010918	Partial Roaming - restriction by location area	Hutchison3g	TEI	3.6.0	R99	F	23.122	029	3	CR	Revised from 863	AGREED
N1-010919	Partial Roaming - restriction by location area	Hutchison3g	TEI	4.0.0	Rel-4	A	23.122	030	3	CR	Revised from 864	AGREED

Annex E Liaison Statements OUT

TDoc #	Source	Tdoc Title	Type	Comments
N1-010685	Chairman	Proposed LS on introduction of new Mobile Country Codes (MCC)	LS OUT	To: TSGN Plenary
N1-010718	CN1 (MCUK?)	Reply to GERAN WG4 on GPRS attach type in NMO I	LS OUT	To: GERAN WG4
N1-010799	Fransesco	Liaison Statement on "Duplication avoidance protocol moved from 04.18 to 24.007"	LS OUT	Reply to N1-010689. To: GERAN WG2 Cc: R2, R3
N1-010800	Rouzbeh/Inma	Introduction of AMR-WB	LS OUT	Reply to N1-010693 To: GERAN Cc: N4, S4
N1-010801	Andrew	Indication of Extended uplink TBF capability	LS OUT	Reply to N1-010696 To: GERAN Cc: S2, CN, SA
N1-010813	Francesco	Liaison Statement on "RRC establish cause mapping"	LS OUT	Reply to N1-010767 To: R2
N1-010814	Apostolis	Response to LS -UTRAN Initiated RAB Renegotiation/Reconfiguration (N1-010771 or TSGR3#18(01)0305)	LS OUT	Reply to N1-010771 To: R3 Cc: S2
N1-010815	Apostolis	Response to LS on NAS messages maximum length (N1-010774 or TSGR3#19(01)0953)	LS OUT	Reply to N1-010774 To: R3 Cc: R2
N1-010867	Andrew	Request for information from GSM Europe on 3 digit MNC	LS OUT	Reply to N1-010842 To: S1, CN, SA Cc: N4
N1-010870	Siemens	LS on Priority Selection Criteria of Calls in a Multicall	LS OUT	Revised from 732, Tdocs N1-010816, 817, 826, 827 and 870 are linked To: R3 Cc: S1
N1-010873	Lucent Technologies/ Xin Chen	Liaison Statement on Adding New Definitions to 21.905	LS OUT	Revised from 856 To: S1, SA Cc: S2, GERAN 2
N1-010888	Magnus	Response to LS N1-010504 (S2-010798r2)	LS OUT	LS IN in 504 to the joint meeting is related. Reply of N1-010504 To: S2 Cc: N2, N3, N4
N1-010890	Sunil	Liaison Statement on the IM Call Transfer service	LS OUT	Related with N1-010706 To: S3, S5 Cc: S2, N2, N3, N4
N1-010892	Milo	Liaison Statement on " Handling of ICMP messages by 3GPP SIP Implementations"	LS OUT	Related with N1-010746 To: S3
N1-010902	Eiko	Response LS on Introduction of release information in the MS Radio Access Capability IE in 3GPP TS 24.008	LS OUT	Reply to N1-010687, revised from 798 To: GERAN2
N1-010908	Duncan Mills / Vodafone	Liaison Statement on "24.008 CR for Classmark Issues"	LS OUT	Reply to N1-010620, revised from 797 To: GERAN, R2
N1-010910	Francesco	Liaison Statement on THRESHOLD check at RRC connection establishment	LS OUT	To: R2, S3 Cc: T3
N1-010915	Siemens	Liaison Statement on Indication of Intra MSC handover from 3G_MSC-B to MSC-A/3G_MSC-A	LS OUT	Revised from 897 To: R3

Annex F Aged Work Items

None

Annex G Agreed specifications (TS or TR)

None

Annex H List of CRs to N1 drafts

TDoc #	Spec	CR #	Rev	CAT	Tdoc Title	C_Ver sion	Type	WI	Rel
N1-010749	23.218				Service Triggers in SIP telephony network	0.5.0	CR	IMS-CCR	Rel-5
N1-010885	24.228				Re-Registration– S-CSCF From Previous Registration Not Available		CR		
N1-010747	24.228				Signalling flow for session establish reject due to terminal out of radio coverage	0.5.0	CR	IMS-CCR	Rel-5
N1-010713	24.228				Warning header in 403 Forbidden	0.5.0	CR	IMS-CCR	Rel-5
N1-010900	24.228				Removal of duplicated material from 23.228 in introductory part of clause 8 of 24.228	0.5.0	CR	IMS-CCR	Rel-5
N1-010895	24.228				Using NOTIFY in Network Initiated Deregistration procedure	0.5.0	CR	IMS-CCR	Rel-5
N1-010849	24.228				Editorial comments on 24.228	0.5.0	CR	IMS-CCR	Rel-5
N1-010874	24.228				Usage of Path header in no-hiding case	0.5.0	CR	IMS-CCR	Rel-5
N1-010891	24.228				More service control tasks in 24.228	0.5.0	CR	IMS-CCR	Rel-5
N1-010884	24.228				Signalling flow for session release	0.5.0	CR	IMS-CCR	Rel-5
N1-010898	24.228				Editorial modifications to 24.228	0.5.0	CR	IMS-CCR	Rel-5
N1-010883	24.228	-----			State information stored in P-CSCF and S-CSCF	050	CR	IMS-CCR	Rel-5
N1-010703	24.228	-----			Handling of non-mutual configuration hiding	050	CR	IMS-CCR	Rel-5
N1-010702	24.228	-----			Move Annex A to Normative text	050	CR	IMS-CCR	Rel-5
N1-010705	24.228	-----			I-CSCF updating of private URL in Anonymous calling	050	CR	IMS-CCR	Rel-5
N1-010706	24.228	-----			Call Transfer Procedures	050	CR	IMS-CCR	Rel-5
N1-010707	24.228	-----			Document structure and contents for "Normal" error cases	050	CR	IMS-CCR	Rel-5
N1-010738	24.229				An analysis of the requirements for the Max-Forwards header	0.2.0	CR	IMS-CCR	Rel-5
N1-010912	24.229				CR to 24.229 specifying the mapping of IM CN subsystem	0.2.0	CR	IMS-CCR	Rel-5

				functional entities to SIP roles				
N1-010907	24.229			Locating the home I-CSCF	0.2.0	CR	IMS-CCR	Rel-5
N1-010848	24.229			An analysis of the requirements for the Timestamp header	0.2.0	CR	IMS-CCR	Rel-5
N1-010847	24.229			Table for major capabilities	0.2.0	CR	IMS-CCR	Rel-5
N1-010846	24.229			Editorial comments on 24.229	0.2.0	CR	IMS-CCR	Rel-5