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Meeting Report

TSG CN WG1# 33
Atlanta, Georgia, USA
16th - 20th February 2004

Chairman: Hannu Hietalahti (Nokia)

Secretary: Per Johan Jorgensen (ETSI/MCC)

Host: North American friends of 3GPP

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Documents can be found on the 3GPP-server:

http://www.3gpp.org/ftp/tsg_cn/WG1_mm-cc-sm/TSGN1_33/Docs/

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1 Opening of the meeting. Calls for IPRs

The delegates were welcomed and informed on the logistics.

IPR rights were asked to be disclosed according to respective organizations IPR policies. Individual Members should declare at the earliest opportunity, any IPRs which they believe to be essential, or potentially essential, to any work ongoing within 3GPP.

The attention of the members of this Technical Specification Group is drawn to the fact **that 3GPP Individual Members have the obligation** under the IPR Policies of their respective Organizational Partners to **inform their respective** Organizational Partners **of Essential IPRs they become aware of**.

The members take note that they are hereby invited:

- to investigate in their company whether their company does own IPRs which are, or are likely to become Essential in respect of the work of the Technical Specification Group.
- to notify the Director-General, or the Chairman of their **respective** Organizational Partners, of all potential IPRs that their company may own, by means of the IPR Statement and the Licensing declaration forms (e.g. see the ETSI IPR forms http://webapp.etsi.org/Ipr/).

2 Agenda and Reports

N1-040204 : CN1 chairman, **Title**: Agenda Atlanta 0402

Discussion : This will continue as a living document in the doc Atlanta 0402. The interested CN1 delegates are invited to participate in a SA2 breakout meeting on WLAN on Monday afternoon. Also a joint meeting on CS multimedia issues between SA2-CN1-CN3-CN4 will start at 16:00 on Monday. CN4 will discuss CR(s) on 29.010 introducing new cause code mappings and this may be related with some CN1 CRs too, on 23.009 (268 and 372). Interested CN1 delegates are invited to join CN4 meeting on Monday from 18:00 onwards. 207 is another doc that would be discussed in CN4 on Wednesday.

Conclusion : Agreed

3 Input Liaison Statements

N1-031413 : R3-031252, **To:** SA2, CN1, **Cc:** , **Type**: LS IN, **Title**: LS on identified NAS/AS issue for Shared networks in connected mode

Discussion : RAN3 asks for SA2 and CN1 help to solve the problem in rejecting a UE camping on a shared network cell and attempting to perform a LU to a forbidden LA. The UE needs explicit LU REJECT message from the network to continue with appropriate actions in case an LU based reject is needed. Comments given that SA2 was in a better position to answer than CN1. Do CN1 has an opinion on which of the two proposals are best? Either way seems acceptable was the CN1 position. After some reevaluation it was stated that some hopping situation may occur and therefore a LS seemed appropriate. It is expected that SA2 answers this question to RAN3. ***Forwarded from CN1#32.*** SA2 agreed that the common shared AN LAI should not be sent to UE, which solves the problem for CN.

Conclusion: Noted

N1-040030 : S3-030802, **To:** CN1, **Cc:** GERAN2, **Type**: LS IN, **Title**: Reply LS on Special-RAND mechanism

Discussion : SA3 replies to our LS N1-031612 (S3-030668). If both authentication failure and not allowed algorithm is detected then SA3 see no strong preference on which one should be detected as more major problem, even though authentication is prerequisite to ciphering. The indication of not allowed ciphering algorithm to the network is still open. The intention is that when the UE is not allowed to use the keys with the commanded algorithm, then it can not

send even signalling messages that would have to be sent ciphered. SA3 have not strong requirements on the UE behaviour after not allowed ciphering algorithm has been detected. But they say it would be nice if the cell could be barred, which will affect 24.008. Proposed to be forwarded to CN1#33 since a CR is in a drafting stage between interested parties and can be influenced by others wanting to take part in the drafting. ***Forwarded from CN1#32bis.*** It should also be considered that if the authentication is performed, the key generation and deletion of old keys is irrevocable, even if it is subsequently found out that the derived keys are not valid with the commanded algorithm. An optimisation can only apply to PS domain, since the authentication and ciphering commands are separate messages in CS domain.Avoding the authenticatication between MSC/SGSN and HLR in the case for the PS domain only, would e.g. not allow possible fraud detection processes to run. SA3 is now discussing the issue. It was questioned wether the CN4 CRs on the issue were already agreed. The CR in N1-040285 on the issue in CN1 can therefore not be agreed at this time.

Conclusion: Noted

N1-040134 : S1-040253, **To:** SA2, SA3, CN1, **Cc:** SA, CN, **Type**: LS IN, **Title**: LS on "IMS messaging, Group management and Presence work overlap between 3GPP and OMA

Discussion : SA1 invites SA2, SA3, and CN1 to study and make proposals on how the work on Presence, IMS Messaging and Group management could be split between the two organisations from release 7 onwards. ***Forwarded from CN1#32bis.*** Group management can have alternate protocols and we have nothing for Rel-7. GM is used as generic term, but the IETF implementation of what 3GPP calls GM can depend on the application. XCAP, CPCP,… CN1 is not aware of Rel-7 work items related with GM. CN1 should carry on the work as if OMA did not exist for Rel-6, and for Rel-7 it is up to the plenary to decide

Conclusion: LS OUT in 373 by Keith D./ Lucent

N1-040209 : S5-042025, **To:** CN4, **Cc:** CN1, CN2, **Type**: LS IN, **Title**: Reply LS on Trace Management

Discussion : SA5 answers CN4 questions on trace session activation and start triggering event. There was or is a WID in CN4 which CN1 needs to have a close look at before going to plenary.

Conclusion: Noted

N1-040210 : R3-031826, **To:** SA2, CN1, **Cc:** , **Type**: LS IN, **Title**: LS on NAS/AS issue for Shared Network in connected mode

Discussion : RAN3 sees no need to change RANAP specification due to LA based reject of LU request in shared network. To be checked by SA2 and CN1 whether any changes are needed on stage 2 (23.060 or 23.122) or stage 3. N1-040210 and N1-040211 are related. The issue is progressed further with CC to CN4 where 23.011 seems impacted, and no impact seems to happen on CN1 specs.

Conclusion: Noted

N1-040211 : S2-033763, **To:** RAN3, CN1, **Cc:** , **Type**: LS IN, **Title**: Response LS on identified NAS/AS issue for Shared networks in connected mode

Discussion : This LS is part of the discussion on LA based reject in shared network connected mode. SA2 have not yet studied the matter but they warn RAN3 to ask also CN1 opinion (which RAN3 do in N1-040210). N1-040210 and N1-040211 are related.

Conclusion: Noted

N1-040212 : GP-032783, **To:** CN1, **Cc:** GERAN, **Type**: LS IN, **Title**: Implementation of T200 timer.

Discussion : CN1 should define whether T200 should be started at the LLC layer request to send a PDU or after indication from lower layers that the PDU has been sent. How does the last alternative work if the PDU can not be transmitted e.g. due to loss of coverage? Quote from 04.64 subclause 4.2.1: "To "transmit a frame" and "send a frame" refers to the delivery of a frame by the LLC layer to the layer below." Agreed that based on this reference, the LLC request to transmit is the right criteria. Also a recent meeting seem to have made a conclusion that it is on request from upper layer, which CN1 agrees on.

Conclusion: LS OUT in 374 by Christian H./ Ericsson

N1-040213 : N5-030665, **To:** CN, SA2, **Cc:** SA1, CN1, **Type**: LS IN, **Title**: Reply LS on PDP context to SAPI mapping

Discussion : GERAN2 do not see any problems in CR (S2-033673), or extending the LLC SAPI range in general.

Conclusion: Noted

N1-040214 : GSMA IREG PACKET working party, PACKET Doc 17_006, **To:** CN4, CN, **Cc:** CN1, **Type**: LS IN, **Title**: LS on DNS domains used on the GRX

Discussion : GSMA agrees that the new domain name of ".3gppnetwork.org" will be supported on the GRX for the case where an IMS client does not have access to an ISIM. All "legacy" services that currently use the ".gprs" domain name (e.g. GGSN IP address resolution, inter-PLMN handover for GPRS, etc.) will continue to use the ".gprs" domain name by operators. They also ask 3GPP to align the .3GPPnetwork.org domain name structure to contain 3 digits MNC for consistency with .gprs domain.

Conclusion: Noted

N1-040215 : S2-033802, **To:** GSMA CPWP, **Cc:** SA5 (SWG-B), CN1, CN4, GSMA TADIG, **Type**: LS IN, **Title**: Response to LS "Inclusion of IMS Signalling Indicator in S-CDR"

Discussion : SA2 replies to GSMA CPWP on charging in IMS home GGSN roaming scenario.

Conclusion: Noted

N1-040216 : S2-033806, **To:** GERAN2, CN1, **Cc:** RAN2, CN1, RAN, SA, **Type**: LS IN, **Title**: Reply to Response on "Work following the joint SA2/RAN2/CN1 meeting on paging"

Discussion : SA2 agree the RAN3 assumptions and have changed 23.060 to to make it optional for the RNC as to whether it checks the Common ID messages in order to match the IMSI with existing IMSI of connected UEs.

Conclusion: Noted

N1-040217 : S2-033808, **To:** GERAN2, CN1, **Cc:** , **Type**: LS IN, **Title**: LS on PDP context to SAPI mapping

Discussion : GERAN2 and CN1 are requested to give comments on the attached 23.060 CR which changes the principle of mapping between the traffic handling priority and LLC SAPI. There is a proposed reply in N1-040294. A comment on the CR was that no principle problem was identified.

Conclusion: LS OUT in 294 by Robert Z./ Siemens

N1-040348 : T1-040259, **To:** CN1, **Cc:** RAN2, **Type**: LS IN, **Title**: LS on Permissibility of Separate RRC Connections for Sequential CS and PS Registration

Discussion : T1 needs CN1 guidance in the following issues:
- Do the core specs permit a Class A UMTS UE that automatically registers in NMO II in the PS domain at power-up to use two separate RRC connections for the CS and PS registration procedures?
- If the answer to 1. is positive, do the core specs impose any requirement on the UE's behaviour with respect to the first RRC connection after the CS registration procedure is complete?
Is it not mainly a RAN2 question? There are no requirements either way in CN protocol specifications. The release of RRC connection is controlled by the RNC and the UE can not influence that. One possible problem was seen to be mobile implementations that release the RRC connection locally after the CS attach. CS and PS are two independant domains.

Conclusion: LS OUT in 376 by Andrew H./ Motorola

N1-040349 : ITU-T SG 16, COM16–LS15–E, **To:** CN1, CN3, SA1, SA2, **Cc:** , **Type**: LS IN, **Title**: LS on Technical Report on Mobility between H.323 Multimedia Systems and GPRS/IMT2000 Networks

Discussion : This is a proposal to study the concept of running H.323 multimedia protocol on top of GPRS packet network. New requirements on GPRS are foreseen. CN1 is requested to study and comment on the TR.
- Any changes in CN1 area should be specified according to the normal 3GPP workflow procedures under suitable work item.
Technical comments / questions:
- The definition of mobility management must include HPLMN, otherwise e.g. authentication, LU and user information are not possible in HPLMN
- Registration and authentication procedures of GPRS and H.323 can not be completely independent since GPRS attach is prerequisite to any (H.323) PS data transfer

- The terminal aspects clause requires that the interaction between H.323 and GPRS within the UE is specified. Why is this necessary? Can't the H.323 be run transparently over some suitable GPRS QoS without linking the two?
- Are Gatekeeper advertisement and discovery procedures visible at all for GPRS protocols?
- Is H.323 registration visible for GPRS protocols?

If someone wants to run SIP across GPRS without implementing IMS, that is invisible to GPRS. Similarily, H.323 could be run completely transparently over GPRS. Based on this and having made the decision on IMS in favour of SIP several years ago, CN1 requests that if H.323 is run on GPRS system, then no changes to 3GPP specifications should be required. To replace IMS with H323 should be done in the same manner, use GPRS as it stands. No additional behavior on GPRS nodes should evolve. The answer should go to CN and SA for politically correct handling.

Conclusion: LS OUT in 377 by Keith D./ Lucent

N1-040350 : T1-040422, **To:** CN1, **Cc:** , **Type**: LS IN, **Title**: LS on Clarification of optional TMSI Status IE in Attach Request and Routing Area Update Request Messages

Discussion : T1 needs CN1's definition of valid TMSI to clarify the presence of TMSI status IE in PS ATTACH REQUEST and ROUTING AREA UPDATE REQUEST messages.
- The main requirement is to add TMSI status if no valid TMSI is available. But does 24.008 define the use of TMSI status IE with valid TMSI at all?
- Does it mean that both alternatives in the LS are allowed?

For the case of valid TMSI the network does not need the status TMSI IE, but since no clear statement is written both options are allowed.

Conclusion: LS OUT in 378 by Andrew H./ Motorola

N1-040351 : GP-040532, **To:** CN1, RAN2, **Cc:** , **Type**: LS IN, **Title**: LS on completion of the call set-up delay reduction feature in GERAN

Discussion : GERAN would favour the indication of compact INTER RAT HANDOVER INFO support with a single bit in RR layer IMMEDIATE ASSIGNMENT message. GERAN2 did not see justification for the additional introduction of the "limitation of the pre-defined configurations" to further reduce the GSM call set-up delay. Can CN1 recommend either RR or CN procedure? Are there related documents to this meeting? The proposal to favor the RR procedure was well received in CN1.

Conclusion: LS OUT in 379 by Peter D./ Vodafone

N1-040352 : GP-040554, **To:** CN1, SA, SA1, **Cc:** SA2, RAN2, **Type**: LS IN, **Title**: On the Preferred Roaming List for 3GPP2/3GPP Multi-mode Terminal

Discussion : No CN1 action. This is the GERAN reply to the same 3GPP2 LS on system selection between 3GPP and 3GPP2 that was already treated in N1-040133.

Conclusion: Noted

N1-040353 : S2-034384, **To:** SA3, **Cc:** CN1, **Type**: LS IN, **Title**: Questions on re-authentication for end-to-end tunnel establishment

Discussion : No CN1 action. The currently agreed architecture includes the possibility that an initial tunnel establishment request from the UE may be rejected by the network and that this rejection may be accompanied by an indication of an alternative PDG that the UE should use instead. SA2 requests SA3 to consider whether subsequent tunnel establishment requests can be authenticated using a shortened authentication mechanism.

Conclusion: Noted

N1-040354 : S2-034387, **To:** CN1, **Cc:** , **Type**: LS IN, **Title**: LS Response on "Questions on the possibility to not use Preconditions in Release 5"

Discussion : CRs in N1-040235 and N1-040236 are related with this LS. SA2 reply to our LS N1-031725 on use of preconditions when interworking with non-IMS SIP clients. Out of the foreseen alternatives in the LS SA2 picked this one: It was agreed to select option 4 as the way forward, i.e. "No change to the existing 24.229 procedures, i.e. the Rel-5 UE and network would not support any mechanisms for session establishment without preconditions. The network would not explicitly block such attempts." CN1 is requested to check if there is a need to draft any CR on 24.229 to reflect this decision.

Conclusion: Noted

N1-040363 : OMA POC WG, OMA-POC-2004-0053R01, **To:** SA, SA2, 3GPP2 TSG-S, TSG-X, **Cc:** SA1, CN1, **Type**: LS IN, **Title**: Reply LS to 3GPP on principles for overlapping issues with OMA regarding PoC

Discussion : OMA PoC WG replies to SA2 question on PoC performance requirements:
Rel-6 minimum
No preconditions
Pre-established sessions with no active media streams
Also pre-established PDP context for media
Floor control?
Could the IMS SIP proxies reject the PoC requests if the UE is not registered to PoC service?
Some of these issues are in CN1 area too, but could we co-ordinate the reply via SA2? To be answered by company commenting directly to SA2, if any, and SA2 answering SA and OMA.

Conclusion: Noted

N1-040365 : T3-040089, **To:** SA1, CN1, **Cc:** , **Type**: LS IN, **Title**: LS on emergency call enhancements for IP & PS based calls

Discussion : T3 propose to add EFecc to ISIM for IMS use and attach a CR on 31.103 for comments. If agreed, then it will impact 24.229 in PS emergency call area. What is the use scenario where ISIM but no USIM is available? Is the ISIM only scenario valid, considering that it has not been defined how a PS only network is configured and how a PS + CS UE behaves in such network. Emergency numbers are valid within a regulatory area, typically one country. What happens if the lists are different? This should not happen since in a region no difference should happen for the CS and PS domain. Regulatory the lists could be equal, but the error handling is a different issue. No conflict should exist between the USIM and ISIM EFecc contents. This T3 CR should not be needed since the PS only scenario was not supposed to be considered earlier. Or was it only ISIM only not precluded?

Conclusion: LS OUT in 380 by Atle M./ Ericsson

N1-040366 : T3-040156, **To:** CN1, T, **Cc:** , **Type**: LS IN, **Title**: LS on Video call bearer capabilities

Discussion : T3 has been requested to take action to allow setting up of H.324 CS video call using SIM toolkit. They would like to hear CN1 comments on the setting up of video call as defined in attached document SCP-030096. More time was requested to check out the issue.

Conclusion: Forwarded to CN1#33bis

N1-040367 : S3-040185, **To:** SA1, SA, CN, SA2, CN1, **Cc:** , **Type**: LS IN, **Title**: LS: reply to LS S1-040253 (=S3-040018) on "IMS messaging, Group management and Presence work overlap between 3GPP and OMA"

Discussion : SA3 would like to complete their currently ongoing Rel-6 work before transfer of responsibilities to OMA. From Rel-7 onwards they expect that OMA defines the security for those parts where non-security issues are defined by OMA. SA3 would like to keep the maintenance responsibility of the documents: 33.919, 33.220, 33.221, 33.222.

Conclusion: Noted

N1-040368 : S3-040195, **To:** CN1, **Cc:** SA2, CN4, **Type**: LS IN, **Title**: Reply LS on WLAN authentication and authorization

Discussion : SA3 replies our questions on WLAN in LS N1-040163. A technical contribution will be provided for this meeting in CN1, see N1-040295.

Conclusion: Noted

N1-040369 : S3-040196, **To:** CN1, SA2, T3, **Cc:** , **Type**: LS IN, **Title**: Reply LS on Parameters and files for WLAN interworking

Discussion : SA3 would like to add these fields to USIM:
- Preferred WLAN identities (i.e. SSIDs): both operator and user preferred files
- Preferred WLAN PLMN identities: both operator and user preferred files
- Pseudonym, but there is no need for a list
- Additionally SA3 see it beneficial to store the re-authentication identity to USIM rather than in ME memory.

Nokia (Inma) volunteered to study this LS and to draft a 24.234 CR to the next CN1#33bis meeting.

Conclusion: Noted

N1-040370 : S3-040198, **To:** SA2, **Cc:** CN1, **Type**: LS IN, **Title**: Reply LS on Questions on re-authentication for end-to-end tunnel establishment

Discussion : SA3 LS to SA2 on WLAN authentication. No CN1 issues.

Conclusion: Noted

N1-040371 : S3-040200, **To:** SA4, SA2, **Cc:** CN1, **Type**: LS IN, **Title**: LS on HTTP based services and order of procedures

Discussion : SA3 has studied the usage of Generic Bootstrapping Architecture (GBA) in MBMS in SA3#32 meeting. When discussing the usage of HTTP digest authentication in the attached document (S3-040058) there were identified several issues for SA2 and SA4 to consider.

Conclusion: Noted

N1-040431 : S2-040915, **To:** CN1, **Cc:** SA1, **Type**: LS IN, **Title**: Response to LS on I-WLAN Selection

Discussion : SA2 answers CN1 LS (N1-040203, S2-040515) that requested clarification on a number of WLAN issues. In response to some of the questions SA2 have referred CN1 to an agreed SA2 contribution. The selection of the I-WLAN is sought clarified here. Commented that the reference made in the LS to a joint SA2 and CN1 is not correct, it was clearly just a SA2 meeting were CN1 delegates could roam to. This should if possible be stated also in the SA2 reports. The authentication attempt takes place after association, but it does not have to be completed during step1. Documents N1-040357 – 358 are related with this LS.

Conclusion: Noted

N1-040459 : S2-040988, **To:** CN3, **Cc:** CN1, **Type**: LS IN, **Title**: LS on multiple IMS sessions using the same PDP Context

Discussion : In Rel-6 SA2 have decided to remove the requirement to keep the media streams of different sessions in separate PDP contexts. SA2 asks CN3 to point out possible impacts regarding Service-Based Local Policy mechanisms when media components from different IMS sessions are bundled in the same PDP Context. No contribution are available now, but this possible removed requirement in Rel-6 will impact CN1 specification.

Conclusion: Forwarded to CN1#33bis

4 TSG CN WG1 Work Plan

N1-040205 : MCC, **Type**: WORKPLAN, **Title**: Latest workplan for review

Discussion : During the SA2 review the following was important for CN1:
Emergency delayed to November on stage 2, Conferencing is completed, Local services completed,

Conclusion : Revised to 460

N1-040460 : MCC, **Type**: WORKPLAN, **Title**: Latest workplan for review

Discussion : This was discussed and made in a adhoc session and the changes to CN1 are in yellow background color, and the results from the similar SA2 session a day ealier was considered and are marked in blue background. WLAN scenario 3 is an open issue. It was agreed that the current WLAN work in CN is only dealing with scenario 2. It was not known which CN group would be the most appropriate to study scenario 3 and it should be studied in TSGN #23 on which WG to allocate the scenario 3 work task.
Network sharing was moved to Sepetember, while the WID brought to plenary still has June as the end date, and will be updated during the CN plenary.

Conclusion : Agreed

N1-040390 : Nokia/CN4, **Type**: WID, **Title**: Work Item Description on Trace Management, stage3, network

Discussion : Is June realistic, depending what sort of changes may be needed, and expecting some involvement with IETF. The expectation with an IETF RFC would then earliest point to December 2004. Point out that a mechanism is needed in 24.229, since CN1 will need to add to 24.229 a SIP extenstion to activate and deactivate tracing. Has SA5 still not completed their work? No but the requirements are now pretty clear, even though some doubted it when seeing the TS not having reached version 1.0.0 (0.7.0) and therefore has not been presented to the plenary. These comments are to be given to CN4 for incorporation into a WID which should be submitted to plenary from CN4. No AS is expected to be involved in the trace requirements. Number of supporting companies is below 4 and more are needed. A rapporteur is also needed since none is allocated. The originator was requested to take these comments to CN4 which is assumed to decide upon agreeing the WID and sending it to the plenary for approval

Conclusion : Noted

N1-040493 : Lucent T., **Type**: WID, **Title**: WID: Revised IMS2 Work Item

Discussion :

Conclusion : Revised to 502

N1-040502 : Lucent T., **Type**: WID, **Title**: WID: Revised IMS2 Work Item

Discussion :

Conclusion : Agreed

5 Joint sessions

Void

6 Corrections to old releases

6.1 Rel-4 and older releases

N1-040243 : 24.008v3h0 **CR#**833, Nokia, **Type**: CR , **Title**: Conditions for PFI usage

Discussion : It is clarified that the SGSN should not send Packet Flow Indentifier (PFI) to an MS that indicated in the MS Network Capability IE that it does not support BSS packet flow procedures. It was not considered possible in SA to make the new SGSN requirement mandatory in frozen releases and therefore only Rel-6 version of the 23.060 CR puts a mandatory restriction not to send PFI to non-supporting mobile. This is also reflected in these 24.008 CRs, and R99 – Rel-5 say ‘should not’ while Rel-6 version says ‘shall not’.

The type of note added was not done in the past and was not seen needed now either. The intention is to explain the 'should' for the requirement. But 'shall' can not be used and then the note is of no use. The reason for change can be updated to reflect that old specs shall respect the requirement in Rel-6. Also what happens in the UE could be introduced, stating that the UE ignores the PFI if received.

Conclusion : Revised to 382

N1-040382 : 24.008v3h0 **CR#**833r1, Nokia, **Type**: CR , **Title**: Conditions for PFI usage

Discussion :

Conclusion : Agreed

N1-040244 : 24.008v4c0 **CR#**834, Nokia, **Type**: CR , **Title**: Conditions for PFI usage

Discussion :

Conclusion : Revised to 383

N1-040383 : 24.008v4c0 **CR#**834r1, Nokia, **Type**: CR , **Title**: Conditions for PFI usage

Discussion :

Conclusion : Agreed

N1-040245 : 24.008v5a0 **CR#**835, Nokia, **Type**: CR , **Title**: Conditions for PFI usage

Discussion :

Conclusion : Revised to 384

N1-040384 : 24.008v5a0 **CR#**835r1, Nokia, **Type**: CR , **Title**: Conditions for PFI usage

Discussion :

Conclusion : Agreed

N1-040246 : 24.008v630 **CR#**836, Nokia, **Type**: CR , **Title**: Conditions for PFI usage

Discussion :

Conclusion : Revised to 385

N1-040385 : 24.008v630 **CR#**836r1, Nokia, **Type**: CR , **Title**: Conditions for PFI usage

Discussion :

Conclusion : Agreed

N1-040247 : 24.008v3h0 **CR#**837, Nokia, **Type**: CR , **Title**: Correction to RRC establishment cause mapping

Discussion : Currently 24.008 and 27.001 are not aligned on BC negotiation requirements for non-transparent data calls. 27.001 normative annex B.1.13 defines the radio access bearer parameters for transparent (conversational traffic class) and non-transparent (streaming traffic class) services. 24.008 annex L is also normative and it requires that RRC establishment cause for originating conversational call must be applied to both T and NT data calls.

Is it any reason for mapping? The establishment causes should only be used for admission control and not related to Iu signaling. It was agreed that the RRC establishment cause does not restrict the subsequent RNC allocation of the radio access bearer for the call and therefore this CR is not needed.

Conclusion : Rejected

N1-040248 : 24.008v4c0 **CR#**838, Nokia, **Type**: CR , **Title**: Correction to RRC establishment cause mapping

Discussion :

Conclusion : Rejected

N1-040249 : 24.008v5a0 **CR#**839, Nokia, **Type**: CR , **Title**: Correction to RRC establishment cause mapping

Discussion :

Conclusion : Rejected

N1-040250 : 24.008v630 **CR#**840, Nokia, **Type**: CR , **Title**: Correction to RRC establishment cause mapping

Discussion :

Conclusion : Rejected

N1-040289 : 23.122v3a0 **CR#**063r1, O2, **Type**: CR , **Title**: Clarification on the use of the RAT during background scanning

Discussion : N1-040289, N1-040308 and N1-040231 are alternative proposals. Correction needed on ME action during background scanning to ensure consideration of the Radio Access Technology for PLMN selection. Allows the usage of RAT during background scanning. Clarify interaction with “Equivalent PLMN” list.

A basic issue between this and the proposals in 231 and 308 is how the RAT was to be understood in background scanning. The argument in 308 about speeding up PLMN search with RAT was not found correct, and also it was necessary to use RAT to select the correct PLMN in cases where one network provides GSM only, and the other provides GSM and UMTS. With no RAT there is no technical solution for a home operator to guarantee that 3G subscribers will regularly attempt access to 3G networks, if one is available, when they are in roaming situations with at least one available 3G network. To remove the RAT from the initial scanning needs to be agreed on condition that a similar CR gets agreed in SA1. When the PLMN is selected the rest is a radio dicussion. Instead of repeating the arguments from CN1#32 it was now thought that a way forward is to ask SA1 what the requirements are. Also a breakout meeting with flipchart was seen necessary, including producing a PPT file from each camp why the other sides proposal does not work. 386 to be produced from Sophie A./Orange and 387 from Andrew H./Motorola.

Conclusion : Withdrawn

N1-040290 : 23.122v440 **CR#**064r1, O2, **Type**: CR , **Title**: Clarification on the use of the RAT during background scanning

Discussion :

Conclusion : Withdrawn

N1-040291 : 23.122v530 **CR#**065r2, O2, **Type**: CR , **Title**: Clarification on the use of the RAT during background scanning

Discussion :

Conclusion : Withdrawn

N1-040292 : 23.122v530 **CR#**069, O2, **Type**: CR , **Title**: Clarification on the use of the RAT during background scanning

Discussion : This is a REL-6 CR. Correction needed on ME action during background scanning to ensure consideration of the Radio Access Technology for PLMN selection.

Cover page to be revised since Orange is missing as contributor, and CN should not be crossed as impacted and no impacted test specs should be ticked. Clarification is needed for the case of RPLMN being within the Equivalent PLMN list, then to which RAT of the current RPLMN does this EPLMN code correspond. How is it prioritized between RAT and PLMN. Use 'Access technology' instead of 'RAT'. What about the wording 'available PLMN/RAT', can it be used, or is a definition needed? What's the impact on the network? Not only I, ii and iii need to be taken into account in 4.4.3.1.1 but also a, b, c, d, etc.

Conclusion : Revised to 433

N1-040433 : 23.122v530 **CR#**069r1, O2/Ericsson, **Type**: CR , **Title**: Clarification on the use of the RAT during background scanning

Discussion : Access technology combination without shlash was intended but should still mean one list per PLMN.

Conclusion : Revised to 478

N1-040478 : 23.122v530 **CR#**069r2, O2/Ericsson, **Type**: CR , **Title**: Clarification on the use of the RAT during background scanning

Discussion : Can not be agreed since it is a competing CR available in 479. To be attached LS in 444 to CN and SA.

Conclusion : Technically correct

N1-040308 : 23.122v530, **CR#**070, Infineon AG, **Type**: CR , **Title**: Role of RAT as criteria in the PLMN selection

Discussion : N1-040289, N1-040308 and N1-040231 are alternative proposals. If this alternative is agreed then N1-040242 is not needed. In R99 the RAT was introduced as criterion in the PLMN selection in order to speed up the PLMN selection process. In certain cases especially after switch on this leads to extra delay. Furthermore it is not clear whether the RAT should be taken into account for the "In VPLMN scan" or not. If the RAT is used here, there is the serious risk that the MS will circle between two or more PLMNs in an endless loop, if the priorities for the PLMN selection are not in line with those for the cell re-selection. This risk is even higher due to the fact that the priorities for the PLMN selection could be configured by the end-user/costumer who is not aware of the network configuration defining the cell re-selection. As the current definition allows the costumer to specify a preferred RAT for a certain

PLMN it gives the user the erroneous presumption, that he could control which RAT is selected by the MS. But the cell re-selection does not take this configuration into account. The whole 3GPP system is designed in such a manner that the appropriate bearer for a certain service is selected by the network. The principal not to allow any kind of service based cell or PLMN selection is a commonly agreed principal which was confirmed in several discussions in the past. It was always, especially by the GERAN and RAN groups, confirmed that the PLMN selection has the purpose to select a network operator and that this selection shall not be based on the availability of certain services provided in the current available cells. One major argument for this was, that otherwise there is the great risk that the selection would collide with the radio network planning strategy of the operators.

Shall or should in 4.4.3? Take away the changes made to HPLMNAcT in the initial PLMN selection. The reason chapter should be moderated regarding to the speed at PLMN selection. Also the parts about the user was questioned. If RAT is not used, should the field be removed from (U)SIM? It would work even if the fields are not deleted from (U)SIM specifications. Possibly to be deleted as a second step. Delete 'combinations' in 4.4.3, and evaluate if 'shall' or 'should' be used for MS to not use RAT at all. How to understand access technology in the definition chapter,- is it a definition or should it be deleted due to procedures are stated elsewhere. This CR could be implemented by a UE from R99 onwards. ’combinations’ to be deleted from steps iv and v. In 4.4.3.1.1 bullet d) is completely contained within bullet f), so d) is not needed any more.

Conclusion : Revised to 434

N1-040434 : 23.122v530, **CR#**070r1, Infineon AG, **Type**: CR , **Title**: Role of RAT as criteria in the PLMN selection

Discussion : The summary of change is not changed as agreed. The same in reason for change. Also in step v) the access technology is not removed.

Conclusion : Revised to 479

N1-040479 : 23.122v530, **CR#**070r2, Infineon AG, **Type**: CR , **Title**: Role of RAT as criteria in the PLMN selection

Discussion : Change the CR category to ‘C’.

Conclusion : Revised to 494

N1-040494 : 23.122v530, **CR#**070r3, Infineon AG, **Type**: CR , **Title**: Role of RAT as criteria in the PLMN selection

Discussion : Can not be agreed since it is a competing CR available in 478. To be attached LS in 444 to CN and SA.

Conclusion : Technically correct

N1-040360 : 22.011v620, Infineon AG, **Type**: DISCUSSION , **Title**: Role of RAT as criteria in the PLMN selection

Discussion : TS 22.011 is under control of SA1. This draft CR has not been agreed in SA1, but it would need to be approved by SA before CN can approve N1-040308 or a revision of it.

Conclusion : Noted

N1-040386 : Orange, **Type**: DISCUSSION , **Title**: Background scan procedure clarifications
Discussion : There exists already cases in real networks were RAT is used.

Conclusion : Noted

N1-040387 : Motorola, **Type**: DISCUSSION , **Title**: Use of Radio Access Technology in Periodic PLMN Scan
Discussion : The mentioning of other solutions were commented as not relevant without details.

Conclusion : Noted

7 Release 5

7.1 Non-IMS Rel-5 corrections

N1-040207 : 23.009v570 **CR#**102, Siemens, **Type**: CR, **Title**: Renaming of the Available Codecs List to Iu Supported Codecs List

Discussion : The Available Codecs List is renamed to Iu Supported Codecs List. The term 'preferred codec' is defined in subclause 3.2.

To be taken to the CN4 discussion after lunch on Wednesday. The naming could be done for Rel-6, but that would create more confusion. The justification for a Rel-5 CR needs to be updated on the coverpage. The parameter is introduced in Rel-5 for the first time and with that justification it was proposed to agree the CR by consensus.

Conclusion : Revised to 389

N1-040389 : 23.009v570 **CR#**102r1, Siemens, **Type**: CR, **Title**: Renaming of the Available Codecs List to Iu Supported Codecs List

Discussion : Shown and revised in CN4 with the CN1 tdoc number included. Also available codec and selected codec got the name changed.

Conclusion : Not available. Revised to 468

N1-040468 : 23.009v570 **CR#**102r2, Siemens, **Type**: CR, **Title**: Renaming of the Available Codecs List to Iu Supported Codecs List

Discussion : The originator takes this version to CN4 and hopes for the best.

Conclusion : Agreed

N1-040256 : 43.068v530 **CR#**015, Nortel, Siemens, Sagem, Kapsch, Marconi, **Type**: CR, **Title**: Correction to description of conditions for FACCH notifications

Discussion :

Conclusion : Withdrawn

N1-040257 : 43.069v530 **CR#**011, Nortel, Siemens, Sagem, Kapsch, Marconi, **Type**: CR, **Title**: Correction to description of conditions for FACCH notifications

Discussion :

Conclusion : Withdrawn

N1-040267 : Lucent T., **Type**: DISCUSSION, **Title**: Resolution of handover problems not fully resolved by CR78 to 3GPP TS 29.010

Discussion : CN4 dependency? Not presented.

Conclusion : Revised to 372

N1-040372 : Lucent T., **Type**: DISCUSSION, **Title**: Resolution of handover problems not fully resolved by CR78 to 3GPP TS 29.010

Discussion : CN4 dependency?

Conclusion : Withdrawn

N1-040268 : 23.009v570 **CR#**103, Lucent T., **Type**: CR, **Title**: Resolution of handover problems not fully resolved by CR78 to 3GPP TS 29.010

Discussion : There was no agreement on the issue in CN4, but the report refers to possible future contributions on the subject.

Conclusion : Withdrawn

N1-040316 : 24.008v5a0 **CR#**846, Ericsson, **Type**: CR, **Title**: Handling of key sets

Discussion : It is clarified that the MS in CS domain shall continue using the old key set used until otherwise indicated by the SECURITY MODE COMMAND or CIPHERING MODE COMMAND messages in UMTS and GSM respectively. Then, the new key set (the one residing in the SIM or USIM), if received during an ongoing, already ciphering and/or integrity protected RR connection, is taken into account. Finally, in UMTS, the MS for PS domain has

to take into account the new key set, if received during an ongoing, already ciphering and/or integrity protected RR connection, immediately after an inter-system change to GSM.

A proposal to keep the notes and insert the new requirements elsewhere. Improve the coverpage with reason why this is an essential correction. Is it right to say that the old keys are 'kept', considering that 33.102 subclause 6.8.2.4 requires that ME derives syntactically correct CK and IK using conversion functions c4 and c5 in GSM to UMTS cell change? Check the wording 'take the keys into account'. The CR solves the problem partially and therefore a LS to e.g. RAN2 and SA3 groups are intended.

Conclusion : Revised to 435 and LS OUT in 437 by Robert Z. / Siemens

N1-040435 : 24.008v5a0 **CR#**846r1, Ericsson, **Type**: CR, **Title**: Handling of key sets

Discussion : Wording improvements proposed.

Conclusion : Revised to 497

N1-040497 : 24.008v5a0 **CR#**846r2, Ericsson, **Type**: CR, **Title**: Handling of key sets

Discussion :

Conclusion : Agreed

N1-040317 : 24.008v630 **CR#**847, Ericsson, **Type**: CR, **Title**: Handling of key sets

Discussion :

Conclusion : Revised to 436

N1-040436 : 24.008v630 **CR#**847r1, Ericsson, **Type**: CR, **Title**: Handling of key sets

Discussion :

Conclusion : Revised to 498

N1-040498 : 24.008v630 **CR#**847r2, Ericsson, **Type**: CR, **Title**: Handling of key sets

Discussion :

Conclusion : Agreed

7.2 Void

7.3 IMS Rel-5 Corrections

N1-040218 : Lucent T., **Type**: DISCUSSION, **Title**: Analysis of re-authentication model in 24.229

Discussion : The document 33.203 identifies the possible authentication and re-authentication failures, and specifies the registration treatment for each case. To insure that the authentication-failure procedures as specified in document 24.229 conforms to the procedures specified in TS 33.203, some clarifying text in the document TS 24.229 is necessary.
1. The user is successfully authenticated (i.e. upon registration, challenge, and re-registration); or
2. The S-CSCF upon sending a NOTIFY request to the UE, does not receive any re-registration request from the UE. For this case the user was never challenged (i.e. the reg-await-auth running); or
3. The user upon being challenged fails the re-authentication; or
4. The user re-registers but, upon being challenged (i.e. the reg-await-auth running), the S-CSCF does not receive any re-registration request; or
5. The user upon being challenged detects that the network authentication has failed. The user re-registers and inform the network that the network authentication has failed. Subsequently, this registration is re-challenged.
The suggested corrections are listed and discussed and in the following CRs in 219 and up to 222 included.

A lot of discussion to understand what is the procedures and possibilities given by 33.203, and the issue circled around that in some cases the lifetime is shortened. This together with network initiated reauthentication was clarified. And it turned into probably a change needed for case 5 only. Shortening down to 12 minutes seems not to give much difference to not do shortening.

Conclusion : Noted

N1-040219 : 24.229v610 **CR#**586, Lucent T., **Type**: CR, **Title**: Network-initiated re-authentication

Discussion : How does the network implement the situation that the UE does not initiate the reregistration procedure. Several wordings, like expiry (meaning to give the UE a window to register in) were questioned and clarifications needed in a revised version.

Conclusion : Revised to 391

N1-040391 : 24.229v610 **CR#**586r1, Lucent T., **Type**: CR, **Title**: Network-initiated re-authentication

Discussion :

Conclusion : Agreed

N1-040220 : 24.229v570 **CR#**585, Lucent T., **Type**: CR, **Title**: Network-initiated re-authentication

Discussion : No changes to the procedures are made. Clarification is needed to justify that a Rel-5 CR is needed?

Conclusion : Revised to 392

N1-040392 : 24.229v570 **CR#**585r1, Lucent T., **Type**: CR, **Title**: Network-initiated re-authentication

Discussion :

Conclusion : Agreed

N1-040221 : 24.229v610 **CR#**588, Lucent T., **Type**: CR, **Title**: Re-authentication - Abnormal cases

Discussion : The notes have much normative text. Clarified that the registration time changed to registration state.

Conclusion : Revised to 393

N1-040393 : 24.229v610 **CR#**588r1, Lucent T., **Type**: CR, **Title**: Re-authentication - Abnormal cases

Discussion :

Conclusion : Agreed

N1-040222 : 24.229v570 **CR#**587, Lucent T., **Type**: CR, **Title**: Re-authentication - Abnormal cases

Discussion : Reason for change is not justifying sufficiently that a Rel-5 CR is needed?

Conclusion : Revised to 394

N1-040394 : 24.229v570 **CR#**587r1, Lucent T., **Type**: CR, **Title**: Re-authentication - Abnormal cases

Discussion : Not available. Not justified as a Rel-5 correction.

Conclusion : Withdrawn

N1-040223 : 24.229v610 **CR#**590, Lucent T., **Type**: CR, **Title**: Subsequent requests

Discussion : The IP-CAN charging information is generated at the first opportunity after the resources are allocated or during the session as media flows are added or removed. The GPRS charging information is passed from GGSN to the P-CSCF via PDF. The P-CSCF populates the P-Charging-Vector with the gprs-charging-info parameter and passes it to the S-CSCF in the reINVITE or UPDATE requests, or in the responses to these requests.

Conclusion : Withdrawn

N1-040224 : 24.229v570 **CR#**589, Lucent T., **Type**: CR, **Title**: Subsequent requests

Discussion :

Conclusion : Withdrawn

N1-040225 : 24.229v610 **CR#**592, Lucent T., **Type**: CR, **Title**: Itegrity protected - correction

Discussion : Incorrect text, i.e. for an ongoing authentication procedure, if the REGISTER request was received integrity protected, on an old security association, the integrity-protected field in the auth-param parameter will be set to "no"(as specified in subclause 5.2.2).

The text in the two clauses are contradicting in the sence that misinterpretation is possible. The values should be in chapter 5 while the desciption are in chapter 7.

Conclusion : Revised to 398

N1-040398 : 24.229v610 **CR#**592r1, Lucent T., **Type**: CR, **Title**: Itegrity protected - correction

Discussion :

Conclusion : Agreed

N1-040226 : 24.229v570 **CR#**591, Lucent T., **Type**: CR, **Title**: Itegrity protected - correction

Discussion : Are this justified for a frozen release? Misinterpretation of the requirement in 7.2A.2.3 would lead into loss of REGISTER message from the UE and subsequently registration timer expiry and loss of IMS service.

Conclusion : Revised to 399

N1-040399 : 24.229v570 **CR#**591r1, Lucent T., **Type**: CR, **Title**: Itegrity protected - correction

Discussion :

Conclusion : Agreed

N1-040227 : 23.218v570 **CR#**065, INT, **Type**: CR, **Title**: Initiating Back to Back User Agent

Discussion : TS 23.18 describes the mode of operation between the S-SCSF and the Application Server. The role for an Application Servicer is currently restricted to the Routeing Back to Back User Agent. This CR introduces in TS 23.218 the possiblity for an Application Server performing third party call control to act as an intitiating B2BUA.

Conclusion : Revised to 413

N1-040413 : 23.218v570 **CR#**065r1, INT, **Type**: CR, **Title**: Initiating Back to Back User Agent

Discussion : Aligning the paragraph before the figure with the one under, in B1 style. The reason needs to tell why to do this change on a frozen specification. This was seen as useful but not essential correction, therefore only Rel-6 CR is kept.

Conclusion : Rejected

N1-040228 : 23.218v600 **CR#**066, INT, **Type**: CR, **Title**: Initiating Back to Back User Agent

Discussion :

Conclusion : Revised to 414

N1-040414 : 23.218v600 **CR#**066r1, INT, **Type**: CR, **Title**: Initiating Back to Back User Agent

Discussion : Change to category F and apply the correct style to the two indented paragraphs.

Conclusion : Revised to 472

N1-040472 : 23.218v600 **CR#**066r2, INT, **Type**: CR, **Title**: Initiating Back to Back User Agent

Discussion :

Conclusion : Agreed

N1-040235 : 24.229v570 **CR#**593, Orange, **Type**: CR, **Title**: Possibility for the network to check Preconditions

Discussion : The option for on operator configuration for S-CSCF to check if the 'precondition' option tag is included in the Require header for any session initiated or terminated by a 3GPP UE in added. If not included, the S-CSCF shall send a 421 (Extension Required) response indicating the 'precondition' option tag in the Require header field. The P-CSCF shall have the same behaviour (to cope with potential forward Rel-6 S-CSCF/ Rel-5 P-CSCF interworking problems).

Some found too many 'may' to have a clear understanding of the scenarios. The understanding of the LS from SA2 in 354 to allow this error case in Rel-5 was discussed again. Some did not want to see any changes to Rel-5, but unsolved issues on precondition like this CR on Rel-6 was needed. RFC 3261 seems to always allow a proxy to send back 421 to a request with unacceptable contents. Response number 421 could be sent to reject calls the operator do not want to support. Postponed for a while since no agreement on the principle or the documentation was found.

Conclusion : Revised to 457

N1-040457 : 24.229v570 **CR#**593r1, Orange, **Type**: CR, **Title**: Possibility for the network to check Preconditions

Discussion : Questioned if the check would help to solve the problem related to charging. And some thought that charging should have been seperated from precondition. Another LS to SA2 was evaluated. Session setup with no preconditions is allowed in Rel-6 and the impact on Rel-5 still needs to be studied and solved. If again no solution is found for the June 2004 plenary the proposal in this CR should be reconsidered.

Conclusion : Postponed

N1-040236 : 24.229v610 **CR#**594, Orange, **Type**: CR, **Title**: Possibility for the network to check Preconditions

Discussion : Do we need the procedure for Rel-6? Have to take care of possible interworking cases between Rel-5 and Rel-6 UEs and nodes. The changes should reflect errors on charging fields and not as a complete precondition check. Because the Update will not be sent on the token, but in Rel-5 it is a binding between charging information and Update.

Conclusion : Revised to 458

N1-040458 : 24.229v610 **CR#**594r1, Orange, **Type**: CR, **Title**: Possibility for the network to check Preconditions

Discussion :

Conclusion : Postponed

N1-040237 : 24.229v570 **CR#**595, Orange, **Type**: CR, **Title**: Sec-agree parameter in "Proxy-Require" header

Discussion : According to RFC 3329, a proxy receiving "sec-agree" value in Require and Proxy-Require header fields shall remove it from those headers before forwarding the request. In TS 24.229, P-CSCF deletes it from Require header, but nothing is specified for Proxy-Require header.

Should not be necessary to repeat RFC 3329 was expressed, while others found ambiguites in RFC 3329 and the clarifications proposed here would be right. After checking the RFC, it was found out that both headers are treated the same way in the RFC and so the question is whether to remove both from 24.229. The view then became that the duplicated related parts could be removed, but only in Rel-6. No modification acceptable for Rel-5.

Conclusion : Rejected

N1-040238 : 24.229v610 **CR#**596, Orange, **Type**: CR, **Title**: Sec-agree parameter in "Proxy-Require" header

Discussion :

Conclusion : Revised to 400

N1-040400 : 24.229v610 **CR#**596r1, Orange, **Type**: CR, **Title**: Sec-agree parameter in "Proxy-Require" header

Discussion : Rel-5 was rejected so this became category F, and also WI changed online to IMS2.

Conclusion : Agreed

N1-040240 : 24.228v570 **CR#**126, Huawei, **Type**: CR, **Title**: Editorial modification in notation conventions

Discussion :

Conclusion : Not available

N1-040251 : 24.229v570 **CR#**597, Nortel, **Type**: CR, **Title**: Correction to P-CSCF procedures on including charging information

Discussion : When the P-CSCF obtains the access network charging information, the P-CSCF shall include the access-network-charging-info parameter in the P-Charging-Vector header in any request (excluding ACK requests and CANCEL requests) related to a mobile-originated dialog or standalone transaction towards the S-CSCF. A Note is added to state that typically the P-CSCF includes the parameter in the UPDATE request. The Profile tables in Annex A are updated to allow the possibility of including the P-Charging-Vector in the BYE request.

N1-030223 and N1-030251 are related It was discussed wether it was too late to send the charging information in the BYE. Maybe the principle could be not to allow the Update to be sent or something else. What would happen if the BYE can not transfer the charging info either.

Conclusion : Revised to 395

N1-040395 : 24.229v570 **CR#**597r1, Nortel, **Type**: CR, **Title**: Correction to P-CSCF procedures on including charging information

Discussion :

Conclusion : Withdrawn

N1-040252 : 24.229v610 **CR#**598, Nortel, **Type**: CR, **Title**: Correction to P-CSCF procedures on including charging information

Discussion :

Conclusion : Revised to 396

N1-040396 : 24.229v610 **CR#**598r1, Nortel, **Type**: CR, **Title**: Correction to P-CSCF procedures on including charging information

Discussion :

Conclusion : Withdrawn

N1-040265 : 24.229v570 **CR#**599, Siemens, **Type**: CR, **Title**: Record-Route in target refresh and subsequent request

Discussion : For the first target refresh request the received route header must be checked against the record-route header received in the 1xx or 2xx response to the initial request of that dialog. However the spec says that the route header for a target refresh request always has to be checked against the record-route header received in the last target refresh request (which does not exist in case of a first target refresh request). For subsequent requests the received route header must be checked either against the record-route header received in the 1xx or 2xx response to the initial request of that dialog or the record-route of target refresh request.

The wording can be simplified into checking against requests and responses that created the dialog.

Conclusion : Revised to 401

N1-040401 : 24.229v570 **CR#**599r1, Siemens, **Type**: CR, **Title**: Record-Route in target refresh and subsequent request

Discussion : Initial transaction were discussed as defined terminology, and was proposed avoided all together.

Conclusion : Revised to 480

N1-040480 : 24.229v570 **CR#**599r2, Siemens, **Type**: CR, **Title**: Record-Route in target refresh and subsequent request

Discussion :

Conclusion : Agreed

N1-040266 : 24.229v610 **CR#**600, Siemens, **Type**: CR, **Title**: Record-Route in target refresh and subsequent request

Discussion :

Conclusion : Revised to 402

N1-040402 : 24.229v610 **CR#**600r1, Siemens, **Type**: CR, **Title**: Record-Route in target refresh and subsequent request

Discussion :

Conclusion : Revised to 481

N1-040481 : 24.229v610 **CR#**600r2, Siemens, **Type**: CR, **Title**: Record-Route in target refresh and subsequent request

Discussion :

Conclusion : Agreed

N1-040286 : 24.229v570 **CR#**601, Orange, **Type**: CR, **Title**: Missing statements regarding P-Charging-Function-Addresses

Discussion : The following changes are made:
This header has to be included by the S-CSCF in the 200 OK message of the Register request (it is already indicated that the P-CSCF has to store the value of this header),
This header has to be removed from the 200 OK message by the P-CSCF before being forwarded to the UE, when network hidding applies the I-CSCF shall remove this header from the 200 OK.

Some duplicated text from the IETF draft exists.

Conclusion : Revised to 403

N1-040403 : 24.229v570 **CR#**601r1, Orange, **Type**: CR, **Title**: Missing statements regarding P-Charging-Function-Addresses

Discussion :

Conclusion : Agreed

N1-040287 : 24.229v610 **CR#**602, Orange, **Type**: CR, **Title**: Missing statements regarding P-Charging-Function-Addresses

Discussion : P-Charging-Function-Addresses header has to be included by the S-CSCF in the 200 OK message of the Register request (it is already indicated that the P-CSCF has to store the value of this header), and the header has to be removed from the 200 OK message by the P-CSCF before being forwarded to the UE, and when network hiding applies then the I-CSCF shall remove this header from the 200 OK.

Conclusion : Revised to 404

N1-040404 : 24.229v610 **CR#**602r1, Orange, **Type**: CR, **Title**: Missing statements regarding P-Charging-Function-Addresses

Discussion :

Conclusion : Agreed

N1-040288 : 24.228v570 **CR#**127, Orange, **Type**: CR, **Title**: P-Charging-Function-Addresses header

Discussion : In TS 32.225 (§ 5.1.2.1.2+ § 5.1.1), it is required that the P-CSCF and I-CSCF can send Accounting requests towards the CCF based on REGISTER event after reception of 200 OK. For that purpose, the I-CSCF and P-CSCF need the CCF address. This CR adds the fact that S-CSCF inserts P-Chrging-Function-Addresses header in the 200 OK message in response to REGISTER. When P-CSCF is in a visited network compared to S-CSCF, then I-CSCF has to remove this header.

Since the case is not certain it needs to be checked if this is a requirement. It must be mentioned that the I-CSCF needs to remove the header.

Conclusion : Revised to 495

N1-040495 : 24.228v570 **CR#**127r1, Orange, **Type**: CR, **Title**: P-Charging-Function-Addresses header

Discussion : Updated online the revision number of the CR on the cover page.

Conclusion : Agreed

N1-040311 : Lucent T., **Type**: DISCUSSION, **Title**: Discussion on the use of privacy in IM CN subsystem

Discussion : At a previous meeting there was a significant discussion of which elements of RFC 3323 "A Privacy Mechanism for the Session Initiation Protocol (SIP)" were included in the intent of 3GPP TS 24.229 release 5. This document provides some background to out understanding. Previous discussions occurred by conference call among interested parties in CN1. These discussions did not formally appear as part of the CN1 activity, but the circulated record of that discussion is annexed for further information. These discussions directly resulted in the CR that was approved by CN for the provision of the identified stage 1 capabilities below.

The UE should be able to set any kind of privacy, i.e. as optional which should be reflected in the profile tables. Then it is up to the network to handle it.

Conclusion : Noted

N1-040312 : 24.229v570 **CR#**367r5, Lucent T., **Type**: CR, **Title**: Completion of major capabilities table in respect of privacy

Discussion : Table A.4 and table A.162 entries are completed. Note that this version is different from previous versions of this CR, in that a AS acting as a 3PCC is now optionally allowed to (not precluded from) implement other RFC 3323 privacy capabilities. All versions of this CR have allowed a UE, or any other UA role, to send any values of the Privacy header in accordance with RFC 3329.

Conclusion : Revised to 405

N1-040405 : 24.229v570 **CR#**367r6, Lucent T., **Type**: CR, **Title**: Completion of major capabilities table in respect of privacy

Discussion :

Conclusion : Agreed

N1-040313 : 24.229v610 **CR#**488r2, Lucent T., **Type**: CR, **Title**: Completion of major capabilities table in respect of privacy

Discussion :

Conclusion : Revised to 406

N1-040406 : 24.229v610 **CR#**488r3, Lucent T., **Type**: CR, **Title**: Completion of major capabilities table in respect of privacy

Discussion :

Conclusion : Agreed

N1-040314 : 24.229v570 **CR#**498r3, Lucent T., **Type**: CR, **Title**: P-CSCF integrity protection

Discussion : What functionality is required at the P-CSCF with respect to integrity-protection. Does the P-CSCF merely follow the instructions for the agreed port numbers (in accordance with RFC 3261), and therefore the integrity-protection happens automatically, or does the P-CSCF have to police the actual usage by the UE, and therefore take a more active part in integrity-protection. Inspection of 3GPP TS 33.203 has led us to believe that the latter is the case, and therefore such a paragraph is needed.

The deleted text does not need to be reinstated as it is already clear.

Conclusion : Revised to 474

N1-040474 : 24.229v570 **CR#**498r4, Lucent T., **Type**: CR, **Title**: P-CSCF integrity protection

Discussion : Make the first deleted paragraph text into a note, and change the two 'shall' to 'will'.

Conclusion : Revised to 499

N1-040499 : 24.229v570 **CR#**498r5, Lucent T., **Type**: CR, **Title**: P-CSCF integrity protection

Discussion :

Conclusion : Agreed

N1-040315 : 24.229v610 **CR#**499r3, Lucent T., **Type**: CR, **Title**: P-CSCF integrity protection

Discussion :

Conclusion : Revised to 475

N1-040475 : 24.229v610 **CR#**499r4, Lucent T., **Type**: CR, **Title**: P-CSCF integrity protection

Discussion :

Conclusion : Revised to 500

N1-040500 : 24.229v610 **CR#**499r5, Lucent T., **Type**: CR, **Title**: P-CSCF integrity protection

Discussion :

Conclusion : Agreed

N1-040328 : 24.229v610 **CR#**608, Nokia, **Type**: CR, **Title**: Unprotected deregistration

Discussion : Put a reference to section 5.4.1.2.1 to section 5.4.1.4 and remove the procedure in the latter section.

Some would see the whole text here and not the reference to a part dealing with registration. And 5.4.1.2.1 is also not dealing with a missing parameter. The procedures are however the same. Documentation split principles will be continued discussed offline. Coverpage needs updating, e.g. the CR affects the network..

Conclusion : Revised to 409

N1-040409 : 24.229v610 **CR#**608r1, Nokia, **Type**: CR, **Title**: Unprotected deregistration

Discussion : Change the ‘integrity-protection’ parameter notation.

Conclusion : Revised to 482

N1-040482 : 24.229v610 **CR#**608r2, Nokia, **Type**: CR, **Title**: Unprotected deregistration

Discussion :

Conclusion : Agreed

N1-040329 : 24.229v570 **CR#**607, Nokia, **Type**: CR, **Title**: Unprotected deregistration

Discussion :

Conclusion : Revised to 410

N1-040410 : 24.229v570 **CR#**607r1, Nokia, **Type**: CR, **Title**: Unprotected deregistration

Discussion :

Conclusion : Revised to 483

N1-040483 : 24.229v570 **CR#**607r2, Nokia, **Type**: CR, **Title**: Unprotected deregistration

Discussion :

Conclusion : Agreed

N1-040330 : 24.229v570 **CR#**609, Nokia, **Type**: CR, **Title**: Sending authentication challenge

Discussion : CR565 removed the condition on sending an authentication challenge. The text in 5.4.1.2.3 remained unupdated.

Where is it stated that every reqistration needs to be challenged?

Conclusion : Agreed

N1-040331 : 24.229v610 **CR#**610, Nokia, **Type**: CR, **Title**: Sending authentication challenge

Discussion :

Conclusion : Agreed

N1-040332 : 24.229v610 **CR#**612, Nokia, **Type**: CR, **Title**: DoS attack prevention

Discussion : Current version of standards (i.e. 3gpp TS 24.229 and 33.203) state that the network (S-CSCF) shall challenge every REGISTER request and forget the previously sent challenge, in case a new REGISTER request is received before the response to the challenge. This means that if there is an active attacker sending REGISTER requests in the name of a genuine user to the network continuously, then the genuine user will not be able to successfully register with the network (as every REGISTER request sent by the genuine user would be followed by a REGISTER request from the attacker, before the genuine user could send the response to the challenge). This problem was known and accepted in SA3. In case the genuine user manages to successfully register with the network (i.e. it is authenticated), it will use IPsec to integrity protect further messages it sends to the network. As the user can only register for a certain time, at some point it will need to refresh its registration, by sending a reregistration request (which is sent protected using IPsec). If the attacker is active, and sends an unprotected register in the name of the user (as it can not send a protected one) right after the user sends the protected one, the network will challenge the unprotected register and invalidates the challenge sent to the protected register. In such way the already registered user will not be able to extend its registration time, resulting in being deregistered and experiencing service discontinuity. One solution to prevent this unwanted scenario is, that the S-CSCF will always check the value of the integrity protected flag (inserted into the authorisation header by the P-CSCF), which indicates whether the REGISTER request was sent integrity protected or without integrity protection. The S-CSCF will challenge the request regardless of whether it was received protected or not. The S-CSCF will NOT invalidate a challenge sent to a protected REGISTER in case it receives (apparently) from the same user another REGISTER request unprotected, but rather will keep both challenges and wait for the response until the authentication timer (~4 min) expires. If there are two outstanding challenges towards one user (one unprotected an a protected REGISTER were challenged) and there is an unprotected REGISTER coming, then the challenge sent previously to the unprotected REGISTER is invalidated and a new challenge is sent to the freshly received unprotected REGISTER (but the challenge sent previously to the protected REGISTER remains valid). Similar behaviour if there are two outstanding challenges towards one user (one unprotected an a protected REGISTER were challenged) and there is a protected REGISTER coming, then the challenge sent previously to the protected REGISTER is invalidated and a new challenge is sent to the freshly received protected REGISTER (but the challenge sent previously to the unprotected REGISTER remains valid). Thus, a user already registered with the network and willing to extend its registration timer by sending a protected reregister to the network, will become immune to an attacker trying to perform DoS attack in the way described above. I.e., the attacker will not be able to make the network to invalidate a challenge sent to a protected REGISTER (by issuing an unprotected REGISTER in the name of the genuine user).

Is it necessary to challenge the unprotected REGISTER in the case described? Yes, because a valid use case for this exists. Write 'discarded' or something instead of 'invalidated'.

Conclusion : Revised to 411

N1-040411 : 24.229v610 **CR#**612r1, Nokia, **Type**: CR, **Title**: DoS attack prevention

Discussion :

Conclusion : Not available

N1-040333 : 24.229v570 **CR#**611, Nokia, **Type**: CR, **Title**: DoS attack prevention

Discussion :

Conclusion : Revised to 412

N1-040412 : 24.229v570 **CR#**611r1, Nokia, **Type**: CR, **Title**: DoS attack prevention

Discussion :

Conclusion : Not available

N1-040335 : 24.228v570 **CR#**128, Huawei, **Type**: CR, **Title**: Editorial modification in notation conventions

Discussion : As a part of the TS 24.228, the clause “notation conventions” is necessary to the understanding of the whole specification, so the editorial errors found in the notation defination should be corrected.

Is this serious enough for a correction to the frozen release? The rest of the document seems to be in line with this notation. Agreed that it is a CR with CN1 consensus as key to understand the document despite misleading CR title.

Conclusion : Agreed

N1-040336 : 24.229v570 **CR#**614, Nokia, **Type**: CR, **Title**: Support of MESSAGE (Profile Tables)

Discussion : Table A.4 states that it is mandatory for the S-CSCF to support messaging as described in RFC 3428. This is in contradiction with subclause 5.4.7 of 24.229, where it is said that that an S-CSCF "may" be capable of sending / receiving MESSAGE requests.

The discussion went on the issue of generating or transferring the message, -static versus dynamic. The feature is optional. Postponed to check the S-CSCF and UE requirements to support MESSAGE in 23.228. Must support, but may send is the proposal.

Conclusion : Revised to 465

N1-040465 : 24.229v570 **CR#**614r1, Nokia, **Type**: CR, **Title**: Support of MESSAGE (Profile Tables)

Discussion :

Conclusion : Agreed

N1-040337 : 24.229v610 **CR#**615, Nokia, **Type**: CR, **Title**: Support of MESSAGE (Profile Tables)

Discussion :

Conclusion : Revised to 466

N1-040466 : 24.229v610 **CR#**615r1, Nokia, **Type**: CR, **Title**: Support of MESSAGE (Profile Tables)

Discussion :

Conclusion : Agreed

N1-040408 : Lucent T., **Type**: DISCUSSION, **Title**: Query on another reg-event change

Discussion : It is suggested that 3GPP analyse the attached email and come to a conclusion on the way this should proceed in IETF. This has been sent out on the IETF SIPPING list. Authors 48 hours have started for reg-event, and a fatal problem in the schema design has been found, and there was agreement on the list on a proposal to fix it. While making the changes in the schema, another question came up. The question is regarding the "params" attribute of the "contact" element. Currently, this parameter is meant to contain any of the contact parameters not otherwise called out explicitly in other attributes (for example, the q-value is contained in the "q" attribute.

Is minimum solution for Rel-5 enough or is CN1 looking for future extendibility. This technical change of reg-event draft will impact CN1 Rel-5 IMS specification. CN1 considered that the proposed changes on reg-event draft are appropriate.CN1 will need the output and has no alternative action, and at the time of endorcement of the draft, it requires an essential CR to the frozen release5, -which was agreed to be done on 24.229 in a later CN1 meeting.

Conclusion : Noted

8 Release 6 work items

8.1 Draft IMS specifications and other documents for information

N1-040269 : Lucent T., **Type**: INFORMATION, **Title**: Summary of current IETF documents on SIPING

Discussion : No actions needed.

Conclusion : Noted

N1-040270 : Lucent T., **Type**: INFORMATION, **Title**: Summary of current IETF documents on SIP

Discussion : No actions needed.

Conclusion : Noted

N1-040271 : Lucent T., **Type**: INFORMATION, **Title**: Summary of current IETF documents on MMUSIC

Discussion : No actions needed.

Conclusion : Noted

N1-040272 : Lucent T., **Type**: INFORMATION, **Title**: Summary of current IETF documents on SIMPLE

Discussion : No actions needed.

Conclusion : Noted

N1-040273 : Lucent T., **Type**: INFORMATION, **Title**: Summary of current IETF documents on XCON

Discussion : No actions needed.

Conclusion : Noted

N1-040274 : TR 24.841v130 Lucent T., **Type**: TR, **Title**: Draft 3GPP TR 24.841 "Presence based on SIP; Functional models, information flows and protocol details"

Discussion : Last agreed CRs implemented.

Conclusion : Noted

N1-040275 : TS 24.141v020 Lucent T., **Type**: TS, **Title**: Draft 3GPP TS 24.141 "Presence service using the IP Multimedia (IM) Core Network (CN) subsystem; Stage 3"

Discussion : Last agreed CRs implemented.

Conclusion : Noted

N1-040276 : Lucent T., **Type**: INFORMATION, **Title**: Presence WID open issues list

Discussion : Results of the conference call is included. Since no comments were raised it was taken as a correct outcome.

Conclusion : Noted

N1-040277 : Lucent T., **Type**: INFORMATION, **Title**: IMS2 WID open issues list

Discussion : Results of the conference call is included. Since no comments were raised it was taken as correct. But during the meeting the status will have changed and the new outcome is in the revised document.

Conclusion : Revised to 415

N1-040415 : Lucent T., **Type**: INFORMATION, **Title**: IMS2 WID open issues list

Discussion : An adhoc session review was done, and the results of that and from this meeting will be available in the next revision.

Conclusion : Noted

N1-040364 : TS 24.cde 001 , Nokia, **Type**: INFO, **Title**: Bootstrapping interface (Ub) and Network application function interface (Ua); Protocol details

Discussion : The decision is still to wait for making one or two TSs until more material is available, which can only happen if the reference version is available. One 3GPP TS number will therefore be taken out in order to place the TS on the specs/latest drafts folder on the 3GPP server. It was agreed to request for one TS number but keep the name and the scope still open until we can see whether it is going to be one or two TSs.

Conclusion : Noted

8.2 Presence

N1-040253 : TR 24.841v130, Nortel, **Type**: CR, **Title**: IETF references on Partial Notification

Discussion : N1-040253 and N1-040321 are partly overlapping. The IETF Partial Notification of Presence Information draft (draft-lonnfors-simple-partial-notify) has been split into two: draft-ietf-simple-partial-notify and draft-ietf-simple-partial-pidf-format. The 321 was chosen as a template since it coveres more. But the changes here are also covered by 322, and if both 321 and 322 are agreed this CR could be withdrawn.

Conclusion : Withdrawn

N1-040278 : TR 24.841v130, Lucent T., **Type**: CR, **Title**: CR to 24.841: PIDF alignment

Discussion : At CN1#32bis two contributions were agreed aligning the PIDF flows with IETF internet-drafts. In other CRs to the meeting, these revisions need also to be performed, and this contribution does that alignment. The justification for these changes are identical to those identified in N1-040046 and N1-040047.

Conclusion : Agreed

N1-040279 : TR 24.841v130, Lucent T., **Type**: CR, **Title**: CR to 24.841: Editorial changes

Discussion : A number of editorial changes are introduced in the document. None of them are regarded as having technical impact on the document.

Change to the word 'subclause' from 'clause'.

Conclusion : Revised to 416

N1-040416 : TR 24.841v130, Lucent T., **Type**: CR, **Title**: CR to 24.841: Editorial changes

Discussion :

Conclusion : Agreed

N1-040321 : TR 24.841v130, Nokia, **Type**: CR, **Title**: Procedures update

Discussion : N1-040253 and N1-040321 are partly overlapping. All earlier splited CR inputs in last CN1 meeting are here concentrated. Some editorial modifications were pointed out, e.g. make ‘means’ plural, avoid double negative in ‘not unambiguous’ and correct the style of indented bullets, and the revision could be preagreed.

Conclusion : Revised to 417

N1-040417 : TR 24.841v130, Nokia/Nortel, **Type**: CR, **Title**: Procedures update

Discussion :

Conclusion : Agreed

N1-040322 : TR 24.841v130, Nokia, **Type**: CR, **Title**: Flow update

Discussion : The references are also covered in 253. Why is the open issue closed, -since the editors note in step 15 is removed? This editors note will be restored as it is not a closed issue.

Conclusion : Revised to 418

N1-040418 : TR 24.841v130, Nokia/Nortel, **Type**: CR, **Title**: Flow update

Discussion :

Conclusion : Agreed

N1-040323 : TR 24.841v130, Nokia, **Type**: CR, **Title**: On behalf of flow update

Discussion : The case is that the user is not involved in the new request. Do not need term since if orig is not present it is terminating. It was thought that SA2 is discussing something similar but more generic. Who is allowed to go to IANA to register new parameter, and is it safe if the AS can spoof the UE? This must be acceptable inside the trust domain since the resource list is distributed on behalf of the user.

Conclusion : Agreed

N1-040361 : TR 24.841v130, Ericsson, **Type**: CR, **Title**: PSI subdomain based routing

Discussion : To align 24.841 section, A.3.3.1 PSI routing principle with what is described in 23.228 (section 5.4.12.3).

The text should appear in 8.3.1 as introductory text, where there is reference to more generic text on PSI. The same wording should then be made in the Nokia proposal on Conferencing.

Conclusion : Revised to 419

N1-040419 : TR 24.841v130, Ericsson, **Type**: CR, **Title**: PSI subdomain based routing

Discussion : The text should be in 8.3.1 before the primary filter criteria. This was counterargued. The whole part could be revised for both this and the conferencing TR for next meeting. Editors note on this is needed. The addition of an editor's note is to accompany the change and the reference number after RFC 3263.

Conclusion : Revised to 485

N1-040485 : TR 24.841v130, Ericsson, **Type**: CR, **Title**: PSI subdomain based routing

Discussion :

Conclusion : Agreed

N1-040388 : TR 24.841v130, Nortel, **Type**: CR, **Title**: Partial Publishing

Discussion : Procedures for Partial Publishing in the UE and PS are not described. It is proposed that the UE indicate support for partial publishing by including the "application/pidf-partial+xml" content type as described in draft-ietf-simple-partial-pidf-format-00.

Some text should be in an editors note about the ongoing work in IETF, and the other technical part in relevant text. Another proposal was to have it all in an editors note.

Conclusion : Revised to 476

N1-040476 : TR 24.841v130, Nortel, **Type**: CR, **Title**: Partial Publishing

Discussion :

Conclusion : Agreed

8.3 MBMS (Multimedia Broadcast Multicast Services)

N1-040234 : TR 29.846v110, Motorola, **Type**: DISCUSSION, **Title**: Including TMGI in the MBMS message

Discussion : The MBMS Stage 2 TS 23.246 has an architecture design principle, which includes the use of a Temporary Mobile Group Identify. According to the stage 2 specification, the Broadcast Multicast Service Center (BM-SC) will allocate a globally unique TMGI for each MBMS service. Then, for Multicast Service, the TMGI will be transmitted to UE via service activation procedures.

TMGI should not have any relation to the session,- only service id is needed. It is sent only in downlink and not uplink, and for GERAN it is therefore an issue to keep service id down to 24 instead of a proposal to have 32 bits. This is based on the LSs that has been circulated for a while on the issue in RAN and GERAN. It should be considered whether a bit more coarse indication of the first, the last and the middle repetition of MBMS service would be useful instead of MBMS session ID. This could be two bits. MBMS service ID is meaningful only within the serving PLMN. Session ID was however thought to be a seperate issue, and could be another seperate octet for the session id. This could depend on how GERAN would broadcast TMGI including session ID. It was proposed to see the output in a possible change to the TR. It was agreed that 24 bits is enough for MBMS service ID.

Conclusion : Revised to 420

N1-040420 : TR 29.846v110, Motorola, **Type**: CR, **Title**: Including TMGI in the MBMS message

Discussion : The IE should have a variable length from 5 to 8 or max 8 octets. Correcting the length of the service ID in the intro to 24 bits.

Conclusion : Revised to 473

N1-040473 : TR 29.846v110, Motorola, **Type**: CR, **Title**: Including TMGI in the MBMS message

Discussion :

Conclusion : Agreed

N1-040320 : TR 29.846v110, Ericsson, **Type**: CR, **Title**: CR to TR 29.846: Reuse of the PDP Context Deactivation for the MBMS Multicast Service Deactivation

Discussion : At CN1#32bis meeting in Sophia-Antipolis CN1 agreed the following working assumptions on MBMS:
Introduction of new PD for MBMS is not needed at this point.
Introduction of new SM PDUs for MBMS was seen as the best solution for MBMS context activation related messages.
It can not yet be decided whether introduction of new IEs in SM PDUs or new SM messages would be better alternative for MBMS context deactivation related messages.
This contribution aims to introduce in TR 29.846 the possibility for the MBMS Multicast Service Deactivation procedure of reusing the current GPRS SM messages. If this contribution is agreed, two alternative solutions for the MBMS Multicast service deactivation procedure and messages will be included in TR 29.846.
The technical report should contain both solutions in order to conclude, at the end of development of the MBMS work, which of them is the agreed solution to be incorporated to TS 24.008.

Some of the cause values reused are not applicable to MBMS, and proposed removed. Remove the text “not applicable to MBMS context’ after some cause values and addition of an editor’s note to say that such limitation will need to be put in the annex of 24.008 that lists the SM cause values. Some duplicated section numbers needs to be cleaned up. Additionally hanging praragraphs need to be corrected according to the drafting rules.

Conclusion : Revised to 421

N1-040421 : TR 29.846v110, Ericsson, **Type**: CR, **Title**: CR to TR 29.846: Reuse of the PDP Context Deactivation for the MBMS Multicast Service Deactivation

Discussion :

Conclusion : Agreed

N1-040346 : TR 29.846v110, Ericsson, **Type**: CR, **Title**: Agreed working assumptions on MBMS SM protocol

Discussion : At the CN1#32bis meeting in Sophia Antipolis the choice of session management protocol for MBMS were discussed. This CR proposes that the agreed working assumptions should be captured in TR 29.846, i.e. Multimedia broadcast / multicast service (MBMS) CN1 procedure description. The open issue on whether introduction of new IEs in existing GPRS SM PDUs or if new SM messages would be a better alternative for MBMS context deactivation related messages, is marked for further study.

An editors note was seen needed, and could actually include the whole text.

Conclusion : Revised to 422

N1-040422 : TR 29.846v110, Ericsson, **Type**: CR, **Title**: Agreed working assumptions on MBMS SM protocol

Discussion :

Conclusion : Agreed

N1-040355 : Samsung, **Type**: DISCUSSION, **Title**: MBMS messages

Discussion : Not presented.

Conclusion : Revised to 397

N1-040397 : Samsung, **Type**: DISCUSSION, **Title**: MBMS messages

Discussion : In SA2 meeting (#36), it was agreed that Service Request procedure for MBMS is used by UE to move from PMM-IDLE to PMM_CONNECTED state for responding to RNC's counting request. From the annex, we can see that:
First: this service request procedure is actually triggered by an RNC for counting purpose;
Second: after receiving SERVICE REQUEST message, the SGSN provides RAN with the MBMS UE context(s) via MBMS UE Linking procedure.
It is proposed that SGSN shall easily discriminate a MBMS Service Request from existing service requests, thus a new Service Type in SERVICE REQUEST message is used for this purpose.

Any indication on which MBMS service to join? No just to go to PMM_CONNECTED state. It was agreed to take the proposed working assumption to use SERVICE REQUEST for MBMS procedures such as counting. This means adding a new service type for MBMS in SERVICE REQUEST PDU.

Conclusion : Noted

N1-040356 : TR 29.846v110, Samsung, **Type**: CR, **Title**: MBMS Service Request Proposal

Discussion : According to stage 2 work on MBMS in 23.246, this paper proposes to add Service Request procedure as it takes on new features different than the existing ones. In addition, it proposes to add a new encoding value for Service Type parameter as discussed in another paper concerned with this one.

All other values defined as 'reserved' in the Service type value would mean that no future extension of values would be possible due to triggering of errorhandling. The hanging section needs to be solved by moving text. This procedure is only to connect to MBMS and the earlier established MBMS context is done. The exact MBMS service provision is not dealt with in this CR. Postponed a while to wait for SA2 to discuss MBMS first, and to discuss the use of service request procedure to count the number of MSs that have MBMS context active.

Conclusion : Revised to 467

N1-040467 : TR 29.846v110, Samsung, **Type**: CR, **Title**: MBMS Service Request Proposal

Discussion :

Conclusion : Agreed

8.4 IMS phase2

8.4.1 Local services

None Provided.

8.4.2 Group Management

None Provided.

8.4.3 Conferencing

It was a discussion on when the content of the conferencing TR could be transferred to the TS, and several personal views were expressed. It was pointed out many open issues that could still hit many parts of this conferencing TR. The presence TR were by some considered way ahead of the conferencing TR and also suggested to be transfered to the TS starting in April. And nobody could more than guess on the completion date for Rel-6. The transfer needs to be done in one go in order to have a reference spec to contribute on.

N1-040260 : TR 29.847v120, Siemens, **Type**: CR, **Title**: Correction in functional entities

Discussion : Introducing combined conferencing AS/MRFC.

Conclusion : Agreed

N1-040338 : TS 24.847v120, Nokia, **Type**: CR, **Title**: TR 24.847: PSI Routing Update

Discussion : According to decisions taken recently in CN1, the HSS is used to resolve Public Service Identities (PSIs). The flows in the conferencing TR need to be updated in all cases, which show that the I-CSCF contacts the HSS to resolve a specific PSI (either conference URI or conference-factory URI). This is only the case in two flows. In all other flows, the PSIs can be resolved already by the S-CSCF of the originating users home network, i.e. by a DNS query. Therefore the HSS is not required to be contacted there.

Change HSS query to PSI query all over. Align with CN4 flows or vice versa here or in a future contribution if needed.

Conclusion : Revised to 423

N1-040423 : TS 24.847v120, Nokia, **Type**: CR, **Title**: TR 24.847: PSI Routing Update

Discussion :

Conclusion : Agreed

N1-040339 : TS 24.847v120, Nokia, **Type**: CR, **Title**: TR 24.847: Introduction of Referred-By header (Flows)

Discussion : This document proposes the following changes:
- addition of Referred-By header to the conferencing flows in section 4.3
- change of headlines and wording for flows in section 4.3 to better reflect the given examples.

Several editorials and corrections pointed out.User inserts the Referred-By header for the other user.

Conclusion : Revised to 424

N1-040424 : TS 24.847v120, Nokia, **Type**: CR, **Title**: TR 24.847: Introduction of Referred-By header (Flows)

Discussion :

Conclusion : Agreed

N1-040340 : TS 24.847v120, Nokia, **Type**: CR, **Title**: TR 24.847: PSI Routing Scenarios Overview

Discussion : This document provides a new section to the beginning of Annex A, which gives an overview of the PSI routing related scenarios that are covered within the conferencing TR. It furthermore corrects some headlines and wording in order to reflect better that specific URIs can or cannot be directly resolved. The wording "including a FQDN" should not be used.

Alignment aspects to be considered in offline work.

Conclusion : Revised to 425

N1-040425 : TS 24.847v120, Nokia, **Type**: CR, **Title**: TR 24.847: PSI Routing Scenarios Overview

Discussion :

Conclusion : Agreed

8.4.4 Messaging

N1-040254 : TS 24.247v031, Nortel, **Type**: CR, **Title**: Editorial Corrections

Discussion :

Conclusion : Not available

N1-040258 : Samsung, **Type**: DISCUSSION, **Title**: Signalling flow for releasing session based messaging

Discussion : This contribution provides signalling flow for a session based messaging release which does not use preconditions. Two cases of signalling flow are given. The first case is when a hosting UE releases messaging session and the next case is when a visiting UE releases the session. Session release occurs either when a user wishes to terminates messaging or a session inactivity timer of either side expires.

Questioned if the number or some size reduction on the flows was possible. The issue is discussed in SA2 at the same moment. Title to be changed comment, and also comment to avoid the IP-CAN boxes for the precondition case. If this discussion document was changed into a CR it was proposed to do it with an editors note. Other views were that the issue is still premature. The release leading to gate closing was an issue for discussion.

Conclusion : Noted

N1-040259 : Samsung, **Type**: DISCUSSION, **Title**: Signalling flows of messaging

Discussion :

Conclusion : Not available

N1-040261 : TS 24.247v031, Siemens, **Type**: CR, **Title**: Update of Scope

Discussion : The rapporteur was requested to add the newly added abbreviations to the definitions subclause of the TS.

Conclusion : Agreed

N1-040262 : TS 24.247v031, Siemens, **Type**: CR, **Title**: Correction of flows

Discussion :

Conclusion : Agreed

N1-040263 : TS 24.247v031, Siemens, **Type**: CR, **Title**: SDP for session based messaging

Discussion : Changes: 1) Layout of Security-Verify header in sub-clauses A4.1 is aligned with layout defined in TS 33.203 Annex H. 2) Added “count” parameter to the direction attribute according to draft-ietf-simple-message-sessions-03.txt in flows A.4.1-2, A.4.1-20, A.4.2-1, A.4.2.17. 3)Editorial, numbering of tables A.4.2-26 – A.4.2-35 corrected.

The meaning of offerer was debated. Change MRFP to MRFC.

Conclusion : Revised to 426

N1-040426 : TS 24.247v031, Siemens, **Type**: CR, **Title**: SDP for session based messaging

Discussion :

Conclusion : Agreed

N1-040264 : TS 24.247v031, Siemens, **Type**: CR, **Title**: Definition of MSRP role for AS and MRFP

Discussion : Delete the condition.

Conclusion : Revised to 427

N1-040427 : TS 24.247v031, Siemens, **Type**: CR, **Title**: Definition of MSRP role for AS and MRFP

Discussion : An AS can terminate an MSRP was argued to be unstable, and maybe for a different entity. Only delete the subclause B.9.2.3.

Conclusion : Revised to 486

N1-040486 : TS 24.247v031, Siemens, **Type**: CR, **Title**: Definition of MSRP role for AS and MRFP

Discussion :

Conclusion : Agreed

N1-040280 : TS 24.247v031, Lucent T., **Type**: CR, **Title**: CR to 24.247: Editorial changes

Discussion : A number of editorial issues are identified and corrected in 24.247.

Conclusion : Agreed

N1-040293 : TS 24.247v031, RIM, **Type**: CR, **Title**: Session-based Messaging with Intermediate Node Flow A.4.4

Discussion : This contribution contains a flow that shows the establishment of a session for session based messaging with Intermediate Nodes.

Different issues that require cleanup and clarification. The media flows through the AS was again questioned.

Conclusion : Revised to 428

N1-040428 : TS 24.247v031, RIM, **Type**: CR, **Title**: Session-based Messaging with Intermediate Node Flow A.4.4

Discussion : Editors note to be inserted before the call flow diagram to say that the header title need further study since we do not yet know for sure what AS is called. Changes on tag fields in From and To fields to have them different. Remove the higlight colouring.

Conclusion : Revised to 488

N1-040488 : TS 24.247v031, RIM, **Type**: CR, **Title**: Session-based Messaging with Intermediate Node Flow A.4.4

Discussion :

Conclusion : Agreed

N1-040305 : TS 24.247v031, Ericsson, **Type**: CR, **Title**: Corrections to Annex A.1 - A.4.2

Discussion : This contribution proposes cleanups and changes to flow A.4.1 due to draft-ietf-simple-message-sessions-03. Specifically the corrections that have been made:
- Added the count parameter to the SDP direction attribute compliant with draft-ietf-simple-message-sessions-03
- Removed the Exp header from the MSRP 200 OK to the MSRP VISIT since Exp header has been removed in draft-ietf-simple-message-sessions-03.
- Legend for SIP-messages, TCP-messages and MSRP-messages is introduced.
- Added to the flow the TCP setup consistent with A.4.2 flow and updated the flow numbers accordingly.
- Corrected minor editorials and typos.
- A ‘general’ subclause for session based messaging is introduced
- Reference to the draft-ietf-simple-message-sessions-03 is added
- SBLP is added to the abbreviations.

Conclusion : Revised to 429

N1-040429 : TS 24.247v031, Ericsson, **Type**: CR, **Title**: Corrections to Annex A.1 - A.4.2

Discussion :

Conclusion : Agreed

N1-040306 : TS 24.247v031, Ericsson, **Type**: CR, **Title**: Corrections to Annex A.4.3

Discussion : This contribution proposes cleanup and changes to flow A.4.2 due to draft-ietf-simple-message-sessions-03.

Conclusion : Agreed

N1-040307 : TS 24.247v031, Ericsson, **Type**: CR, **Title**: Corrections to Annex B

Discussion : This contribution proposes cleanups and changes to annex B.

Conclusion : Agreed

N1-040359 : 29.229v610, CR#620, Ericsson, **Type**: CR, **Title**: Handling of media authorization token in case of instant messaging

Discussion : Due to instant messaging, the originating UE may receive the media authorization token in a 200 (OK) and not only in the 183 (session progress). The handling of the media authorization token should be described in the access specifcic specifciation (annex B of 24.229 in case of GPRS) and not in 24.247.

Proposed that the title etc. change due to instant messaging is propriatary. Need to have the word 'request' after 200(OK).

Conclusion : Revised to 430

N1-040430 : 29.229v610, CR#620r1, Ericsson, **Type**: CR, **Title**: Handling of media authorization token due to messaging

Discussion :

Conclusion : Agreed

8.4.5 Extensions to SIP capabilities

N1-040324 : 29.229v610, CR#578r2, Nokia, **Type**: CR, **Title**: UE requesting no-fork

Discussion : In the initial INVITE request the UE may includes "no-fork" value in the fork-directive. The S-CSCF will not fork if the initial IINVITE request has "no-fork" value in the fork-directive.

Overriding N1-040184, CR#578r1 which was agreed in CN1#32bis. The text needs to be restructured better to reflect the order in which the parameters take effect. What happens if there is a fork should have been addressed? To pick a contact randomly is wrong and must be changed to implementation specific. No fork is not sufficient information alone for making a decision. There is a priority order from the RFC between q value, multippel contacts etc. All the textual issues need to be redone, and an attempt to be done for this meeting.

Conclusion : Revised to 442

N1-040442 : 29.229v610, CR#578r3, Nokia, **Type**: CR, **Title**: UE requesting no-fork

Discussion : This document will not be provided in this meeting and the intention is that the previous version of the CR is sent for approval.

Conclusion : Not available

N1-040325 : 29.229v610, CR#604, Nokia, **Type**: CR, **Title**: Forking in S-CSCF

Discussion : The document 23.228 subclause 4.2.7 states that: " When multiple contact addresses have been registered, ……and …If the UE has not indicated any preference for the contact addresses upon registration, or if the preferences for the contact addresses have equal value, then it is up to the S-CSCF if parallel or sequential forking is to be performed. This is not correctly specified in the subclause 5.4.3.3 in 24.229.

Local decision in S-CSCF without conditions. If 442 is agreed then this needs to be revisited, otherwise agreed.

Conclusion : Agreed

N1-040326 : 29.229v610, CR#605, Nokia, **Type**: CR, **Title**: Determination of S-CSCF role

Discussion : Not presented.

Conclusion : Revised to 381

N1-040381 : 29.229v610, CR#605r1, Nokia, **Type**: CR, **Title**: Determination of S-CSCF role

Discussion : ASs may send request on behalf of the user. When that happens, the request has to be sent to the S-CSCF of the user, and the S-CSCF shall act in originating role. The AS can query the HSS to find out the address of the S-CSCF serving that specific user, but that address embeds the terminating role of the S-CSCF, but in this case the role has to be originating. It is therefore proposed to append a parameter to the Request URI, which would let the S-CSCF to recognise that it needs to perform originating services.

What use case are we looking at? See N1-040323 which depends on the decision on this document. Offline checking was conducted. The AS part are in wrong chapters. It has to be clarified wether the 'orig' has to be documented in a RFC, or if any sort of registration of all new URI parameters such as the proposed ‘orig’, in which case needs to be handled via IETF. Other unfinnished drafts on presence exists so a delay is probably not caused by this parameter registration or reference issue.

Conclusion : Revised to 464

N1-040464 : 29.229v610, CR#605r2, Nokia, **Type**: CR, **Title**: Determination of S-CSCF role

Discussion :

Conclusion : Agreed

N1-040327 : 29.229v610, CR#606, Nokia, **Type**: CR, **Title**: SDP offer handling in SIP responses in S-CSCF and P-CSCF

Discussion : SDP offer is allowed in SIP responses in Rel-6. Its handling is not described in the specification.

Obviously this CR has been presented before without solution, but not easily detectable 'old' CR since a new CR# was requested. Seems we are again permitting what we recently removed in the request. It was commented by the originator that in this case the examining and pruning of the SDP is only done to inhibit misuse. There should be no normal cases when P-CSCF or S-CSCF would have to intercept the SDP contents of a response. Why is it suddenly allowed for the response to be modified, since the RFC alignment do not seperate on request and response. No solution to the problem was envisaged, but the way forward could be to bring it into IETF SIPPING instead of sneaking the earlier rejected solution back in. Even if IETF do not find this as a use case, that would also be a result which could move the discussion further. This error handling is needed since users would attempt to do what is not permitted. Should the response be dropped only? No mechanism exists for this. This problem is not existing in Rel-5. The IETF move was supported with CN1 backup to a contribution. However it was agreed that the proposed solution would do the job. As would also the body modification earlier, so that the local policy can be applied.

Conclusion : Postponed

N1-040341 : Nokia, **Type**: DISCUSSION, **Title**: Discussion Paper: Introduction of PSI Routing to 24.229

Discussion : SA2 has decided to introduce the so-called Public Service Identities (PSIs) to IMS in Rel-6. PSIs are defined in TS 23.228 and the IMS Conferencing TR 29.847 already reflects a set of call flows which cover all PSI routing scenarios. This contribution shows, which sections in TS 24.229 need to be changed, in order to introduce PSI related routing procedures also there.

Conclusion : Noted

N1-040342 : 29.229v610, CR#616, Nokia, **Type**: CR, **Title**: Introduction of PSI Routing to 24.229

Discussion : S-CSCF and AS sections need modification to reflect PSI routing specific behaviour.
Most sections in 24.229 are already written in a way that they reflect PSI routing procedures.

Some modifications needed on a couple of issues spotted by the originator. P-asserted-identity should preferably not be taken onboard, but an editors note on the problemissue on assertion here could be introduced. Also on how record routing should be achieved, related to ongoing discussion in SA2. Or should this only be an operator policy. Who should do the record route can be reworded and restructured.

Conclusion : Revised to 443

N1-040443 : 29.229v610, CR#616r1, Nokia, **Type**: CR, **Title**: Introduction of PSI Routing to 24.229

Discussion : Change the i.e. to e.g. More conditions for the AS to act on the user in 5.7.3, like being in the trust domain.

Conclusion : Revised to 487

N1-040487 : 29.229v610, CR#616r2, Nokia, **Type**: CR, **Title**: Introduction of PSI Routing to 24.229

Discussion :

Conclusion : Agreed

N1-040343 : 29.229v610, CR#617, Nokia, **Type**: CR, **Title**: P-CSCF Re-selection

Discussion : When the UE cannot reach the P-CSCF anymore, it shall release all IMS related IP-CAN bearers, discard locally all SIP transactions and dialogs and then behave as if it was re-booted, i.e. start with initial registration again. Alternatively the UE may just select a new P-CSCF.

Introduce a counter in the UE, possibly implementation dependant, to set a limit for registrations which stops the UE from continuing the registration attempts forever in case all known P-CSCFs are not available, and this was agreed on. If the list is static then no new information is received, and it was thought that therefore no new initial registration is needed. At least not standardized. It was suggested that everything that was proposed in this CR would already be possible for a compliant UE implementation. These fault situations could be dealt with in an informative annex, also due to all possible error cases can not be standardized anyway. The timers should apply to responses as well as requests.

Conclusion : Revised to 463

N1-040463 : 29.229v610, CR#617r1, Nokia, **Type**: CR, **Title**: P-CSCF Re-selection

Discussion :

Conclusion : Agreed

N1-040344 : 29.229v610, CR#618, Nokia, **Type**: CR, **Title**: I-CSCF does not re-select S-CSCF during re-registration

Discussion : 24.229 currently describes that in case that an I-CSCF gets aware of an S-CSCF not responding to a REGISTER request, the I-CSCF selects a new S-CSCF without informing the UE. This procedure works well in case of initial REGISTER, but causes problems in the case of re-REGISTER, as during this period dialogs are already established from the UE towards/via the S-CSCF (e.g. subscription to registration state event package, calls to other users, etc.). Due to the I-CSCF should not attempt to re-select an S-CSCF in case of a re-REGISTER, but rather should send a negative response back towards the UE. The handling of this failure case is then left to the UE.

Conclusion : Agreed

N1-040345 : 29.229v610, CR#619, Nokia, **Type**: CR, **Title**: S-CSCF Re-Selection

Discussion : 24.229 currently does not describe the UE procedures when the UE receives a timeout indication for a request that it has sent. As there is the possible danger, that this time-out response was sent due to the UEs S-CSCF being out-of-service, this scenario has to be treated specifically. When the UE receives a 408 or 504 response for a non-REGISTER request, it shall perform re-registration, in order to find out whether its S-CSCF is out-of-order or not. When the UE receives for a REGISTER message a 408 or 504 it shall behave as if it was newly booted.

IP-CAN bearer should be described in chapter 9. This was difficult due to readability. The UE procedure do not help because the P-CSCF still has its states intact. Additionally with all 'may's the proposed procedure was found needless. In case the UEs request times out (due to CSCF crash), that UE will not get any IMS services. It was a problem in the network, and the case was not comparable with loss of coverage. The problem was recognized, but it was not a solution to let all subscribers within a certain time start pumping the network with signalling for reregistration. The nodes around the out of order node is the ones that must react, and a LS was proposed to SA2 and CN3 for the possibility of Go interface communication from GGSN with the P-CSCF involvement. The Go issue was not agreed on and the node down problem could be only protocol related, or already possible for a compliant UE implementation,or even only made implementation dependant.

Conclusion : Rejected and LS OUT in 462 by Georg M. /Nokia

8.4.6 Followup of IETF development of new SIP & SDP capabilities

N1-040281 : Lucent T., **Type**: DISCUSSION, **Title**: An analysis of the requirements of the Accept-Contact header

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

Conclusion : Noted

N1-040282 : Lucent T., **Type**: DISCUSSION, **Title**: An analysis of the requirements of the Reject-Contact header

Discussion :

Conclusion : Noted

N1-040283 : Lucent T., **Type**: DISCUSSION, **Title**: An analysis of the requirements of the Request-Disposition header

Discussion :

Conclusion : Noted

N1-040284 : 29.229v610, CR#579r1, Lucent T., **Type**: CR, **Title**: Inclusion of caller preferences into profile

Discussion : 23.228 specifies that , subclause 4.2.7 contains the following text in respect of forking: "The UE shall be able to include preferences, in INVITE's, indicating that proxies should not fork the INVITE request." This requirement is met by adoption of the caller preferences draft into 3GPP. The caller preferences draft is IESG approved and at the moment in the publication queue. Discussion of the support of individual headers is dealt with in N1-040281, N1-040282 and N1-040283. Changes to the main body of 24.229 in respect of the impact of caller preferences on forking are dealt with in a separate CR. This separate CR also provides the forking. In the profile, appropriate options are added to the major capabilities tables, and 3 new headers: Request-Disposition, Accept-Contact and Reject-Contact are added to the PDU tables.

40 in the A4 table is in order to support the encoding.

Conclusion : Agreed

8.5 IMS interoperability

N1-040304 : 29.229v610, CR#603, Ericsson, **Type**: CR, **Title**: Cleanup for IP-CAN and GPRS

Discussion : A link between the generic text in clause 9 and the actual description of each IP-CAN seems needed in order to have a consistent specification.
The editors note is removed, and an introductory text for media and reference to GPRS and annex B is included.

Conclusion : Agreed

8.6 WLAN

N1-040295 : TS 24.234v110, Nokia, **Type**: CR, **Title**: EAP Method policies

Discussion : Clarification of EAP method policies. These changes are also related to incoming LS from SA3 in Tdoc N1-040368.

AAA like function servers are 3GPP terminology for Rel-6, so pre-release servers should be described differently. In a note? Some restructuring of the text and some rewording was proposed.

Conclusion : Revised to 477

N1-040477 : TS 24.234v110, Nokia, **Type**: CR, **Title**: EAP Method policies

Discussion :

Conclusion :

N1-040296 : Nokia, **Type**: DISCUSSION, **Title**: I-WLAN Network Selection procedure

Discussion :

Conclusion : Withdrawn

N1-040297 : TS 24.234v110, Nokia, **Type**: CR, **Title**: I-WLAN Network Selection (indication of 3G IW)

Discussion :

Conclusion : Withdrawn

N1-040298 : TS 24.234v110, Nokia, **Type**: CR, **Title**: Usage of leading digits in IMSI based permanent username

Discussion : A clarification is needed on the usage of leading digits at the 3GPP AAA server.

Only one EAP method is used at a time, and they should respectively refer to the appropriate IETF reference. It was thought that in this case it would not make a difference since the digit will be the same.

Conclusion : Revised to 447

N1-040447 : TS 24.234v110, Nokia, **Type**: CR, **Title**: Usage of leading digits in IMSI based permanent username

Discussion :

Conclusion : Agreed

N1-040299 : TS 24.234v110, Nokia, **Type**: CR, **Title**: Update of Parameters coding clause

Discussion : Addition of the definition of two new lists. Access Point PLMN list is received at I-WLAN selection. Supported PLMN list for WLAN access is received at EAP network discovery (i.e. after association in EAP Identity response message).

7.9 will be deleted. When do the UE get this information from the network? At I-WLAN selection, but not per access point. It is per SSID.

Conclusion : Revised to 448

N1-040448 : TS 24.234v110, Nokia, **Type**: CR, **Title**: Update of Parameters coding clause

Discussion :

Conclusion : Agreed

N1-040300 : TS 24.234v110, Nokia, **Type**: CR, **Title**: Update of WLAN protocols

Discussion : Separation of scanning and association procedures from the WLAN PLMN procedure definition. WLAN protocols clause is the right place where these procedures should be explained. The level of explanation is such that it helps to understand how these procedures assist Network Selection procedures in 3GPP WLAN IW. Whenever more detail is needed the IEEE specifications are refered to.

It should be clarified that when highest SSID is found then scanning should be stopped. Some discussions on the use and possible deletion of 'shall' and paragraphs here related to what is in 5.2.2 in 445. And the probing does not need to have all SSID from the lists included. No use of the term WLAN AN.

Conclusion : Revised to 446

N1-040446 : TS 24.234v110, Nokia, **Type**: CR, **Title**: Update of WLAN protocols

Discussion : In 5.1.1.1 a 'shall' is changed to 'should'. Make the following sentence recommended instead of mandatory: “If active scanning is supported then, the WLAN UE shall use active…”

Conclusion : Revised to 490

N1-040490 : TS 24.234v110, Nokia, **Type**: CR, **Title**: Update of WLAN protocols

Discussion :

Conclusion : Agreed

N1-040301 : TS 24.234v110, Nokia, **Type**: CR, **Title**: Update of Definitions clause

Discussion : Addition of some definitions.

How to get the SSID list is still unclear. Some typos and controversial use of terminology. Definition should be more on what the node is and not the procedure to obtain it.

Conclusion : Revised to 449

N1-040449 : TS 24.234v110, Nokia, **Type**: CR, **Title**: Update of Definitions clause

Discussion : The definition of 'Supported PLMN' still is implementation oriented.

Conclusion : Revised to 491

N1-040491 : TS 24.234v110, Nokia, **Type**: CR, **Title**: Update of Definitions clause

Discussion :

Conclusion : Agreed

N1-040302 : TS 24.234v110, Nokia, **Type**: CR, **Title**: I-WLAN Network Selection clean-up and update

Discussion : Improvement of the differentiation between the actual I-WLAN selection procedure and the Scanning and association procedures, which are now in the correct clause (as proposed in tdoc N1-040300). After this change this clause describes only the I-WLAN selection and refers to 'WLAN protocols' clause when appropriate. A new 'UE procedures' sub-clause has been added, which explains the two modes of I-WLAN selection that the WLAN UE supports (note that the structure was copied from 23.122).

Since the automatic and manual mode are under the IEEE 811 chapter it does not mean that they are access dependant. Remove tries when doing association in manual mode. It should be structured to have generic parts seperated from the access technology to introduce other WLAN technologies later on. Could it be some merging of I-WLAN and PLMN selection or deletion of manual mode? Discussed in SA2. How does the manual mode on the user interface was tried clarified. Seems not to exist an SA1 requirement to provide the available SSID list. It seemed strange to others to seperate SSID and PLMN selection, since from the user it could be enough to only select the PLMN. Legacy SIM should be supported and needs to be included.

Conclusion : Revised to 451

N1-040451 : TS 24.234v110, Nokia, **Type**: CR, **Title**: I-WLAN Network Selection clean-up and update

Discussion : Delete the word 'allowable' from 5.2.1.1. In 5.2.1.1 it is unclear to some when to use the manual or automatic mode. 5.2.1.1 must be implemented to avoid hanging paragraph. Introduce an editors note in 5.2.11.

Conclusion : Revised to 492

N1-040492 : TS 24.234v110, Nokia, **Type**: CR, **Title**: I-WLAN Network Selection clean-up and update

Discussion :

Conclusion : Agreed

N1-040303 : TS 24.234v110, Nokia, **Type**: CR, **Title**: WLAN PLMN Selection clean-up and update

Discussion : Improvement of the differentiation between Network Advertisement and the actual WLAN PLMN selection, by adding explanatory text in 5.3.2 and a general sub-clause which is to be completed later. In clause 5.3.3 the General sub-clause is updated to include the general information that before was part of 'UE procedures' and now 'UE procedures' sub-clause has a more understandable explanation of the two modes of WLAN PLMN selection that the WLAN UE supports (note that the structure was copied from 23.122).

Some comments of improving text and avoiding hanging paragraphs. Deletion of the list at switch off was agreed earlier. Again the discussion of two lists or one came back.

Conclusion : Revised to 452

N1-040452 : TS 24.234v110, Nokia, **Type**: CR, **Title**: WLAN PLMN Selection clean-up and update

Discussion :

Conclusion : Agreed

N1-040357 : Nokia, **Type**: DISCUSSION, **Title**: Optimization of Network selection procedures

Discussion : Current working assumption in CN1 is that I-WLAN selection and WLAN PLMN selection procedures are decoupled. First the I-WLAN is selected and then the PLMN selection is performed. The selection of the I-WLAN is done independently on whether the AP has a direct connection to HPLMN or not. This leads to cases when an AP not supporting HPLMN is selected instead of another AP (which is also available) and which supports HPLMN. To solve this problem it is proposed that the WLAN UE runs the network discovery mechanism sequentially will all the available APs until it finds an AP that has direct connection to HPLMN or until it finds the AP which support the most preferred VPLMN (according to current Preferred PLMN lists). The order of association attempts is provided by the 'Preferred SSID lists'.

Conclusion : Noted

N1-040358 : TS 24.234v110, Nokia, **Type**: CR, **Title**: Optimization of Network selection procedures

Discussion : N1-040357 introduces a procedure for optimization of network selection procedures. This document introduces the related changes to TS 24.234.

In 5.2.1 a) it need to be described if it is Access Network or PLMN discovery. Also use SSID instead of AP when searching the available I-WLANs. In passive mode all available SSIDs are received in a list, while all hidden SSIDs needs to be found with active scanning. The CR is not a replacement of chapter 5.2. Should be a paragraph talking in general about manual scanning. The selection and scanning process are structured seperately, but it was mentioned a linking since when a HPLMN is found the scanning should stop. It should be written as requirements instead of a implementation aproach. It was thought to be a policy issue if all SSIDs with all its information be collected first or something what we see here. SA1 has given the 'policy' and a change requires a contribution in SA1. The repetition of step 1 a) was asked removed.

Conclusion : Revised to 445

N1-040445 : TS 24.234v110, Nokia, **Type**: CR, **Title**: Optimization of Network selection procedures

Discussion : A terminology change. Some rewording to the 'best match' instead of preferred PLMN was proposed, but still vague to choose between the two lists. Use ‘EAP based network discovery’ instead of ‘network discovery’

Conclusion : Revised to 489

N1-040489 : TS 24.234v110, Nokia, **Type**: CR, **Title**: Optimization of Network selection procedures

Discussion :

Conclusion : Agreed

8.7 Emergency Call Enhancements for IP& PS Based Calls

None.

8.8 Subscriber certificates

None.

8.9 Network sharing

N1-040230 : Motorola, **Type**: DISCUSSION, **Title**: PLMN Selection, Routing and Radio Planning

Discussion : This contribution provides various issues that need to be considered, along with potential solutions when dealing with network sharing. Some issues such as providing information on the identities of the sharing core networks are unique to GERAN. Solutions have been suggested to resolve these issues and may be applied in the case of UMTS as well. Some details regarding PLMN selection procedures in the mobile in case of network sharing have been discussed. Additionally proposals have been presented on how the individual core network operators can maintain control over their individual radio planning (LA/RA boundaries for e.g.) while continuing to share the radio network. Mechanisms for routing of initial and subsequent non-access stratum messages have been suggested. The principle aim of the proposals in this contribution is to re-use the existing rules of PLMN selection while retaining the principles behind the current MM/GMM functionality, thereby minimizing the impact to mobile implementation.

Only item 2 and 7 in the summary part seems to hit CN1 further on, -soon. The interaction between network sharing supporting mobiles and legacy mobiles is considered. If two networks indicate shared networks, the mobile needs to find out the PLMNs behind each before continuing. From Rel-6 networks onwards the PLMNs IDs will always be broadcasted. The PLMN search time could perhaps need to be extended, and should be adressed in RAN. Enhancement of Layer 3 messages are considered, but some are already limited in GERAN. Therefore it is not yet clear if GERAN will have network sharing or not.

Conclusion : Noted

8.10 Other Rel-6 issues

N1-040206 : 24.008v630 **CR#**841, Vodafone, **Type**: CR , **Title**: Added Session Management (SM) Cause Value for APN Type Conflict

Discussion : 3GPP TSG SA WG3 has introduced a new cause value for the Create PDP Context response. This cause value indicates that it was not possible to create a new primary PDP context because it conflicted with existing primary PDP context(s). Some combinations of primary PDP context are not allowed, as described in 29.060, subclause 15.4.

29.060 subclause 15.4 does not exist, and is replaced with 23.060. Also delete PDP in the cayse description. More editorials were mentioned to be implemented in the revision. It is applicable to secondary as well so primary PDP context should not be mentioned. The relation to CRs in other groups (CN4, SA2) to be clarified and dependency to the stage 2 should be indicated.

Conclusion : Revised to 438

N1-040438 : 24.008v630 **CR#**841r1, Vodafone, **Type**: CR , **Title**: Added Session Management (SM) Cause Value for APN Type Conflict

Discussion : Not presented.

Conclusion : Revised to 461

N1-040461 : 24.008v630 **CR#**841r2, Vodafone, **Type**: CR , **Title**: Added Session Management (SM) Cause Value for APN Type Conflict

Discussion :

Conclusion : Agreed

N1-040208 : 24.008v630 **CR#**842, Siemens, **Type**: CR , **Title**: Correction of the condition for the tear down of PDP contexts

Discussion : With CR 24.008-818r1 (N1-031649) it was clarified in clause 6 that the tear down of PDP contexts affects only PDP contexts sharing the same PDP address **and APN**. In subclauses 9.5.14.1 and 10.5.6.10, the clarification that the contexts need to share also the APN is still missing.

Conclusion : Agreed

N1-040229 : 24.008v630 **CR#**832, NTT DoCoMo, **Type**: CR , **Title**: Clarification on the meaning of MS network capability indicator bits

Discussion : The MS network capability indicator bits for SM capabilities via dedicated channels and SM capabilities via GPRS channels use GSM access specific terminologies as "dedicated signalling channels" and "GPRS packet data channels". These terms need to be changed to indicate CS domain and PS domain respectively, since UMTS no longer depends on access channels. By changing the wording to talk specifically about domains rather than channels, it helps to clarify the meaning of these indicator bits which shall be used to indicate any combination of SM capabilities support in either or both domains.

Conclusion : Agreed

N1-040231 : 23.122v530 **CR#**062r2, Motorola, **Type**: CR , **Title**: Clarification regarding use of RAT during background PLMN scanning

Discussion : N1-040289, N1-040308 and N1-040231 are alternative proposals. As specified in TS 22.011, a UE in Automatic Mode shall make periodic attempts to look for a higher priority PLMN of the same country as the currently received PLMN. When performing these attempts the access technology should not be used as a criteria for selection, as this could lead to a UE 'hopping' between access technologies within a single PLMN, especially in the case that a network is using the broadcast parameters to direct UEs to a particular access technology via the cell re-selection procedures. To avoid unnecessary confusion a clarification needs to be included in TS 23.122 to specify that when performing a PLMN scan in a VPLMN the UE only uses the PLMN as a selection criteria.

Conclusion : Withdrawn

N1-040232 : Motorola, **Type**: DISCUSSION, **Title**: Use of TMSI/IMSI in CM SERVICE REQUEST on redirection

Discussion : CR in N1-040239 implements the change proposed in N1-040232. N1-040255 also deals with the same issue.

Conclusion : Noted

N1-040233 : Motorola, **Type**: DISCUSSION, **Title**: Recovery from Faulty Network

Discussion : In the case that an error, as mentioned in section 2.0, is detected during the registration procedures it is proposed that the following solution would enable the mobile station to provide faster service to the subscriber. The proposed solution, applies to the situation where the mobile station is roaming, and deals with initiating a Network selection if any of the following conditions are encountered.

It could also be invalid MSs. Why is only combined procedures affected?

Conclusion : Noted

N1-040239 : 24.008v630 **CR#**831, Motorola, **Type**: CR , **Title**: SERVICE REQUEST message in case of emergency call redirection and change of LAI

Discussion : A clarification is added to the Location Updating Procedure to specify that the mobile station delays the location updating procedure in the case it is in the process of establishing an emergency call when a change of location area occures. The definition of when to use TMSI or IMSI is modified to clarify which identity should be used by the mobile station when moving between location areas. N1-040239 and N1-040255 deals with the same issue.

Is this a mandatory requirement since it has worked for a long time and seems not to be a frequent serious occuring error. Some coverpage issue to be corrected. Due to the short time (1 sec?) in question the requirement may be optional.

Conclusion : Revised to 439

N1-040439 : 24.008v630 **CR#**831r1, Motorola, **Type**: CR , **Title**: SERVICE REQUEST message in case of ergency call redirection and change of LAI

Discussion : Not presented.

Conclusion : Revised to 456

N1-040456 : 24.008v630 **CR#**831r2, Motorola, **Type**: CR , **Title**: SERVICE REQUEST message in case of ergency call redirection and change of LAI

Discussion :

Conclusion : Agreed

N1-040241 : 23.122v530 **CR#**067, Nokia, **Type**: CR , **Title**: Definition of MS idle mode

Discussion : The MS Idle Mode functions defined in TS 23.122 also apply to the RRC connected mode when there is no dedicated channel allocated. This needs to be specified.

Missing dot and also 3GPP in front of TS. The term 'can be perfermed .... RRC connected' were discussed. Using 'shall' (not in scope) versus using 'are'.

Conclusion : Revised to 440

N1-040440 : 23.122v530 **CR#**067r1, Nokia, **Type**: CR , **Title**: Definition of MS idle mode

Discussion :

Conclusion : Agreed

N1-040242 : 23.122v530 **CR#**068, Nokia, **Type**: CR , **Title**: Usage of HPLMNAcT by the UE

Discussion : In many cases the ME can find HPLMN well before the USIM initialisation is completed. Therefore mandatory requirement to wait until HPLMNAcT field can be read from USIM does not speed up finding HPLMN, but can sometimes delay it considerably. The HPLMNAcT field is still kept in the USIM, but the use of it is made optional. The priorities of different PLMNs in PLMN selection are not affected, since the MS still shall search for HPLMN in all supported access technologies and frequency bands.

Related LS to T1 to ask them to adjust the test cases is in N1-040441. It was agreed that technically this change can be implemented by an earlier mobile from R99 onwards.

Conclusion : Agreed and LS OUT in 441 by Hannu H. /Nokia

N1-040255 : 24.008v630 **CR#**850, Nortel, **Type**: CR , **Title**: Emergency call establishment before location updating

Discussion : In the current standards, the mobile can initiate an emergency call before performing a location update when it moves into a cell served by another MSC. The mobile is required to use the TMSI, if available, as its mobile identity in the emergency call establishment. In the emergency call establishment, the MSC receives a TMSI that it has not allocated. Therefore the MSC is required to send an Identification request for the IMSI to the mobile in order to provide the callback information to the emergency center. Initiating the identification procedure adds delay in setting up the emergency call. Also there is a possibility of collision of TMSIs if the MSC has already allocated the same TMSI to another mobile. The MSC can not determine whether the message is coming from a mobile that has not yet location updated or from another mobile that was assigned the TMSI. So, the MSC may send the wrong mobile's information to the emergency center. The above issues can be resolved if the mobile includes the IMSI in emergency call establishments in cells where the mobile has not yet performed a location update.

N1-040239 and N1-040255 deals with the same issue. Due to structure and wording the 239 was chosen as template for possible revision.

Conclusion : Rejected

N1-040285 : 24.008v630 **CR#**843, Orange, **Type**: CR , **Title**: Introduction of the special RAND mechanism

Discussion :

Conclusion : Withdrawn

N1-040309 : 24.008v630 **CR#**844, Infineon, **Type**: CR , **Title**: Status of PFI value after PDP context modification

Discussion : It is unclear whether the PFI values explicitly assigned during the PDP context activation shall be kept or deleted upon a PDP context modification without an explicit PFI IE included.

What is the impact on the CN? Depends on implementation, but it is on the edge.

Conclusion : Agreed

N1-040310 : 24.008v630 **CR#**845, Infineon, **Type**: CR , **Title**: MS reaction upon RRC connection release with cause "Directed signalling connection re-establishment"

Discussion : If the MS changes the URA and the new RNC has no Iur connection to the old RNC, the RRC connection will be released by the network with cause "Directed signalling connection re-establishment". The MS shall, upon reception of this release, perform a RAU in order to ensure that the old Iu connection between the SGSN and the old RNC is released. If the MS changes to a GSM cell before or while the RAU is performed it is unclear whether this RAU shall be performed/continued. But even if the MS has change to GSM, the RAU is essentially needed in order to release the old Iu connection and thus to ensure that the MS is reachable on the new cell for PS DL traffic.

Some minor modifications requested, and e.g. remove the tick on CN impact and tick no test spec impact.

Conclusion : Revised to 453

N1-040453 : 24.008v630 **CR#**845, Infineon, **Type**: CR , **Title**: MS reaction upon RRC connection release with cause "Directed signalling connection re-establishment"

Discussion :

Conclusion : Agreed

N1-040318 : Ericsson, **Type**: DISCUSSION, **Title**: Maintaining the PS signaling connection

Discussion : This discussion paper shows that even though, an established PS signalling connection can be maintained, 3GPP TS 24.008[1] does not provide any mechanism to know whether the connection is actually prolonged from the network (i.e. SGSN). This may lead to undesirable effects. The PS signalling connection between the mobile station and the network may either be released right after finishing a GMM specific procedure or prolonged for following mobile station originated activity (e.g. SM or SMS requests).

Conclusion : Noted

N1-040319 : 24.008v630 **CR#**848, Ericsson, **Type**: CR , **Title**: Follow-on proceed for the PS domain

Discussion : The Follow-on proceed (FOP) mechanism like in CS domain is introduced. The FOP can be indicated in the ATTACH ACCEPT and ROUTING AREA UPDATE ACCEPT messages by the SGSN.

What about the case where the network sends FOP unsolicited? This should be defined as errorcase with ignoring as result. Should the error handling be defined for the case when UE requested FOP but the received ATTACH ACCEPT does not contain indication that the network allows FOP ? Would it then be best if the UE waits for RRC connection release and then sets up RRC again for the user data ? Left to implementation. Can the follow on stay open indefinitaly? A principal objection was that this CS like procedure was not intended for this case, and this could be seen if the MS behavior was described. With this proposed change the backward compatibility is an issue, but the change do not qualify for essential correction, rather an optimisation. What happens in GSM with the modified IEs? Some benefits of doing the proposed changes should be stated.

Conclusion : Revised to 454

N1-040454 : 24.008v630 **CR#**848r1, Ericsson, **Type**: CR , **Title**: Follow-on proceed for the PS domain

Discussion :

Conclusion : Not available

N1-040334 : 24.229v610 **CR#**613, Nokia, **Type**: CR, **Title**: Reference to PDF operation

Discussion : The very details of PDF operation are described in 29.107. 24.229 does not reproduce the same detailed operation, but rather it should reference the TS.

Conclusion : Agreed

N1-040347 : 24.008v630 **CR#**849, Ericsson, **Type**: CR , **Title**: Clarification of UE behaviour at network initiated GPRS Detach

Discussion : It is proposed to explicitly state in section 4.7.4.2.2 that the UE shall not delete its current TMSI, P-TMSI signature, RAI and GPRS ciphering key sequence number in case of network initiated GPRS Detach where the detach type IE indicates “re-attach”.

If we change the detach procedures again, then this CR is not enough, as 4.7.1.3 explicitly requires the contrary, to delete the P-TMSI signature at detach. 4.7.1.3 should also be modified even though that part is talking about used P-TMSI signature only. This CR is more as a clarification for the re-attach case. No change to 4.7.4.2.2 was proposed.

Conclusion : Revised to 455

N1-040455 : 24.008v630 **CR#**849r1, Ericsson, **Type**: CR , **Title**: Clarification of UE behaviour at network initiated GPRS Detach

Discussion : Introduce the word 'otherwise' after explicitly specified.

Conclusion : Revised to 496

N1-040496 : 24.008v630 **CR#**849r2, Ericsson, **Type**: CR , **Title**: Clarification of UE behaviour at network initiated GPRS Detach

Discussion :

Conclusion : Agreed

N1-040362 : 24.008v630 **CR#**851, Infineon, **Type**: CR , **Title**: MS class behaviour in case of a network inititated detach with detach type "IMSI detach"

Discussion : It is clarified that a MS in operation mode A that is in an ongoing circuit-switched transaction shall initiate the combined routing area updating after the circuit-switched transaction has been released if it receives a network inititated detach with detach type “IMSI detach".

The real life scenario for this is VLR crash and after reboot the MSC/VLR (via SGSN) performs detach indicating ‘IMSI detach’ to trigger RAU. For earlier releases it is not a serious frequent occuring problem.

Conclusion : Agreed

9 LS OUT (output liaison statements)

N1-040294 : Robert/Siemens, **Type**: LS OUT , **To:** SA2, **Cc:** GERAN2, **Title**: Reply to LS on PDP context to SAPI mapping

Discussion : Reply to N1-040217. Some change to the wording to reply that the CR was in principal acceptable. The justification for a Rel-5 would be asynchronous ciphering between UE and SGSN. Response to SA2 during this week.

Conclusion : Revised to 375

N1-040375 : Robert/Siemens, **Type**: LS OUT , **To:** SA2, **Cc:** GERAN2, **Title**: Reply to LS on PDP context to SAPI mapping

Discussion : Reply to N1-040217.

Conclusion : Agreed

N1-040373 : Keith D./Lucent, **Type**: LS OUT , **To:** SA, CN, **Cc:** , **Title**: LS on “IMS messaging, Group management and Presence work overlap between 3GPP and OMA

Discussion : Reply to N1-040134. Messaging should also be included.

Conclusion : Revised to 469

N1-040469 : Keith D./Lucent, **Type**: LS OUT , **To:** SA, CN, **Cc:** , **Title**: LS on “IMS messaging, Group management and Presence work overlap between 3GPP and OMA

Discussion : Reply to N1-040134.

Conclusion : Agreed

N1-040374 : Christian H./ Ericsson, **Type**: LS OUT, **To:** GERAN3, **Cc:** GERAN, **Title**: Reply to LS on Implementation of T200 timer

Discussion : Reply to N1-040212.

Conclusion : Agreed

N1-040376 : Andrew H./ Motorola, **Type**: LS OUT , **To:** T1, RAN2, **Cc:** , **Title**: LS on Permissibility of Separate RRC Connections for Sequential CS and PS Registration

Discussion : Reply to N1-040348. Last paragraph could be deleted. Is it a subsequent or a parallell connection.

Conclusion : Revised to 470

N1-040470 : Andrew H./ Motorola, **Type**: LS OUT , **To:** T1, RAN2, **Cc:** , **Title**: LS on Permissibility of Separate RRC Connections for Sequential CS and PS Registration

Discussion : Reply to N1-040348.

Conclusion : Agreed

N1-040377 : Keith D./Lucent, **Type**: LS OUT , **To:** CN, SA, **Cc:** , **Title**: LS on Technical Report on Mobility between H.323 Multimedia Systems and GPRS/IMT2000 Networks

Discussion : Reply to N1-040349. Editorials requested.

Conclusion : Revised to 471

N1-040471 : Keith D./Lucent, **Type**: LS OUT , **To:** CN, SA, **Cc:** , **Title**: LS on Technical Report on Mobility between H.323 Multimedia Systems and GPRS/IMT2000 Networks

Discussion : Reply to N1-040349.

Conclusion : Agreed

N1-040378 : Andrew H./ Motorola, **Type**: LS OUT , **To:** T1, **Cc:** , **Title**: LS on Clarification of optional TMSI Status IE in Attach Request and Routing Area Update Request Messages

Discussion : Reply to N1-040350.

Conclusion : Agreed

N1-040379 : Peter D./Vodafone, **Type**: LS OUT , **To:** GERAN2, **Cc:** RAN2, **Title**: Reply LS on completion of the call set-up delay reduction feature

Discussion : Reply to N1-040351.

Conclusion : Agreed

N1-040380 : Atle M./ Ericsson, **Type**: LS OUT , **To:** T3, **Cc:** SA1, **Title**: Reply LS on emergency call enhancements for IP & PS based calls

Discussion : Reply to N1-040365. The SIM is not needed in IMS, and to have ISIM a USIM is present.

Conclusion : Agreed

N1-040407 : Sophie A. /Orange, **Type**: LS OUT , **To:** SA5, **Cc:** , **Title**: LS on P-Charging-Function-Addresses header

Discussion : Related to 401 and 402

Conclusion : Withdrawn

N1-040432 : Hannu H./ Nokia, **Type**: LS OUT , **To:** CN, **Cc:** SA, **Title**: LS on background scan requirements

Discussion : Reply to N1-040386 and 387. Both solutions have been reviewed and found technically correct. Try to solve it in CN first, by sending this to CN and copying SA. If 22.011 changes are needed from any of the two proposals it should be clarified in CN and SA1 as well.

Conclusion : Revised to 444

N1-040444 : Hannu H./ Nokia, **Type**: LS OUT , **To:** CN, **Cc:** SA, **Title**: LS on background scan requirements

Discussion : Reply to N1-040386 and 387.

Conclusion : Agreed

N1-040437 : Robert Z. / Siemens, **Type**: LS OUT , **To:** RAN2, RAN3, SA3, CN4, **Cc:** , **Title**: LS on Re-authentication and key set change during inter-system handover

Discussion : Related to N1-040435. Not to be sent to CN4, and bullet 3 removed. The actions and changes before rel-5 are not acceptable.

Conclusion : Revised to 501

N1-040501 : Robert Z. / Siemens, **Type**: LS OUT , **To:** RAN2, RAN3, SA3, **Cc:** , **Title**: LS on Re-authentication and key set change during inter-system handover

Discussion : Related to N1-040435.

Conclusion : Agreed

N1-040441 : Hannu H./ Nokia, **Type**: LS OUT , **To:** T1, **Cc:** T3, **Title**: LS on HPLMNAcT field

Discussion : Related to 242. It is up to T1 to decide on how to do with the testcases.

Conclusion : Agreed

N1-040450 : Sonia G. / Nortel, **Type**: LS OUT , **To:** SA2, **Cc:** CN3, **Title**: LS on the availability of charging information

Discussion : Related to 395. The question in 3 was found late by some and would better see it deleted. Some reformulation was agreed upon. Should it rather or also go to SA5 instead of SA2.

Conclusion : Revised to 484

N1-040484 : Sonia G. / Nortel, **Type**: LS OUT , **To:** SA2, **Cc:** CN3, SA5, **Title**: LS on the availability of charging information

Discussion : Related to 395.

Conclusion : Agreed

N1-040462 : Georg M. /Nokia, **Type**: LS OUT , **To:** SA2, CN3, **Cc:** , **Title**: LS on "P-CSCF gets informed about signalling IP-CAN bearer was released"

Discussion : Related to 345. Some found the LS unnecessary, but this is for Rel-6 so OK.

Conclusion : Agreed

10 Late and misplaced documents

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

11 Any Other Business (AOB)

None provided.

12 Closing of the meeting

11:15 Friday 20.02.2004

Review of dates and hosts for future meetings

Meeting schedule for CN1 in 2003 and 2004

3GPP Meeting	Date	Place	Host
N1#28	10 – 14 February 2003	Dublin, Irland	EF3 (European friends of 3GPP)
TSGN #19	**12 – 14 March 2003**	**Birmingham, UK**	**UK Friends of 3GPP**
N1#29	31 march – 04 April 2003	Sophia Antipolis, France	ETSI
N1#30	19 – 23 May 2003	San Diego, USA	NA 'Friends of 3GPP'
TSGN #20	**4 – 6 June 2003**	**Hameenlinna, Finland**	**Nokia**
N1#31	25 – 29 August 2003	Sophia Antipolis, France	ETSI
TSGN #21	**17 – 19 September 2003**	**Frankfurt, Germany**	**Siemens**
N1#32	27 – 31 October 2003	Bangkok, Thailand	Japanese Friends of 3GPP
TSGN #22	**10 – 12 December 2003**	**Hawaii, USA**	**North American & Japanese Friends of 3GPP**
N1#32bis CN1 Rel-6 meeting on WIs (IMS2, PRESNC, WLAN, MBMS, NTShar, Subscr.certificate, IMS emerg.calls), LSs in Rel-6 area	26 or 27 – 29 January 2004	Sophia Antipolis, France	ETSI
N1#33	16 – 20 Feb. 2004	Atlanta, USA	NA 'Friends of 3GPP'
TSGN #23	**10 - 12 Mar 2004**	**Phoenix, USA**	**NA 'Friends of 3GPP'**
N1#33bis Any outstanding Rel-6 issues, LSs in Rel-6 area, CRs on frozen specs to be endorsed by CN1 #34	30 Mar – 02 Apr 2004	Sophia Antipolis, France	ETSI
N1#34	10 -14 May 2004	Zagreb, Croatia	(EF3) European Friends of 3GPP
TSGN #24	**2 - 4 Jun 2004**	**Seoul, Korea**	**TTA**
N1#35	16 – 20 August	Sophia Antipolis, France	ETSI
TSGN #25	**8 - 10 Sep 2004**	**Palm Springs, US**	**NA 'Friends of 3GPP'**
N1#36	15 – 19 Nov 2004	Asia	Japanese Friends of 3GPP
TSGN #26	**08 -10 Dec 2004**	**Athens, Greece**	**(EF3) European Friends of 3GPP**

Annex A Joint meeting report with none

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

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Annex C Agreed CRs (49)

Status	TDoc #	Spec	CR #	Rev	CAT	Tdoc Title	C_Version	Type	WI	Rel
AGREED	N1-040468	23.009	102	2	F	Renaming of the Available Codecs List to Iu Supported Codecs List	5.7.0	CR	TEI5	Rel-5
AGREED	N1-040440	23.122	067	1	F	Definition of MS idle mode	5.3.0	CR	TEI6	Rel-6
AGREED	N1-040242	23.122	068		F	Usage of HPLMNAcT by the UE	5.3.0	CR	TEI6	Rel-6
AGREED	N1-040472	23.218	066	2	F	Initiating Back to Back User Agent	6.0.0	CR	IMS2	Rel-6
AGREED	N1-040456	24.008	831	2	C	Use of TMSI/IMSI in CM SERVICE REQUEST message in case of ergency call redirection and change of LAI	6.3.0	CR	TEI6	Rel-6
AGREED	N1-040229	24.008	832		F	Clarification on the meaning of MS network capability indicator bits	6.3.0	CR	TEI6	Rel-6
AGREED	N1-040382	24.008	833	1	F	Conditions for PFI usage	3.17.0	CR	TEI	R99
AGREED	N1-040383	24.008	834	1	A	Conditions for PFI usage	4.12.0	CR	TEI	Rel-4
AGREED	N1-040384	24.008	835	1	A	Conditions for PFI usage	5.10.0	CR	TEI	Rel-5
AGREED	N1-040385	24.008	836	1	A	Conditions for PFI usage	6.3.0	CR	TEI	Rel-6
AGREED	N1-040461	24.008	841	2	B	Added Session Management (SM) Cause Value for APN Type Conflict	6.3.0	CR	TEI6	Rel-6
AGREED	N1-040208	24.008	842		F	Correction of the condition for the tear down of PDP contexts	6.3.0	CR	TEI6	Rel-6
AGREED	N1-040309	24.008	844		F	Status of PFI value after PDP context modification	6.3.0	CR	TEI6	Rel-6
AGREED	N1-040453	24.008	845	1	F	MS reaction upon RRC connection release with cause "Directed signalling connection re-establishment"	6.3.0	CR	TEI6	Rel-6
AGREED	N1-040497	24.008	846	2	F	Handling of key sets	5.10.0	CR	TEI5	Rel-5
AGREED	N1-040498	24.008	847	2	A	Handling of key sets	6.3.0	CR	TEI5	Rel-6
AGREED	N1-040496	24.008	849	2	F	Clarification of UE behaviour at network initiated GPRS Detach	6.3.0	CR	TEI6	Rel-6
AGREED	N1-040362	24.008	851		F	MS class behaviour in case of a network inititated detach with detach type "IMSI detach"	6.3.0	CR	TEI6	Rel-6
AGREED	N1-040495	24.228	127	1	F	P-Charging-Function-Addresses header	5.7.0	CR	IMS-CCR	Rel-5
AGREED	N1-040335	24.228	128		F	Editorial modification in notation conventions	5.7.0	CR	IMS-CCR	Rel-5
AGREED	N1-040405	24.229	367	6	F	Completion of major capabilities table in respect of privacy	5.7.0	CR	IMS-CCR	Rel-5
AGREED	N1-040406	24.229	488	3	A	Completion of major	6.1.0	CR	IMS-	Rel-6

						capabilities table in respect of privacy			CCR	
AGREED	N1-040499	24.229	498	5	F	P-CSCF integrity protection	5.7.0	CR	IMS-CCR	Rel-5
AGREED	N1-040500	24.229	499	5	A	P-CSCF integrity protection	6.1.0	CR	IMS-CCR	Rel-6
AGREED	N1-040284	24.229	579	1	B	Inclusion of caller preferences into profile	6.1.0	CR	IMS2	Rel-6
AGREED	N1-040392	24.229	585	1	F	Network-initiated re-authentication	5.7.0	CR	IMS-CCR	Rel-5
AGREED	N1-040391	24.229	586	1	A	Network-initiated re-authentication	6.1.0	CR	IMS-CCR	Rel-6
AGREED	N1-040393	24.229	588	1	F	Re-authentication - Abnormal cases	6.1.0	CR	IMS2	Rel-6
AGREED	N1-040399	24.229	591	1	F	Itegrity protected - correction	5.7.0	CR	IMS-CCR	Rel-5
AGREED	N1-040398	24.229	592	1	A	Itegrity protected - correction	6.1.0	CR	IMS-CCR	Rel-6
AGREED	N1-040400	24.229	596	1	F	Sec-agree parameter in "Proxy-Require" header	6.1.0	CR	IMS2	Rel-6
AGREED	N1-040480	24.229	599	2	F	Record-Route in target refresh and subsequent request	5.7.0	CR	IMS-CCR	Rel-5
AGREED	N1-040481	24.229	600	2	A	Record-Route in target refresh and subsequent request	6.1.0	CR	IMS-CCR	Rel-6
AGREED	N1-040403	24.229	601	1	F	Missing statements regarding P-Charging-Function-Addresses	5.7.0	CR	IMS-CCR	Rel-5
AGREED	N1-040404	24.229	602	1	A	Missing statements regarding P-Charging-Function-Addresses	6.1.0	CR	IMS-CCR	Rel-6
AGREED	N1-040304	24.229	603		D	Cleanup for IP-CAN and GPRS	6.1.0	CR	IMSCOOP	Rel-6
AGREED	N1-040325	24.229	604		B	Forking in S-CSCF	6.1.0	CR	IMS2	Rel-6
AGREED	N1-040464	24.229	605	2	B	Determination of S-CSCF role	6.1.0	CR	IMS2	Rel-6
AGREED	N1-040483	24.229	607	2	F	Unprotected deregistration	5.7.0	CR	IMS-CCR	Rel-5
AGREED	N1-040482	24.229	608	2	A	Unprotected deregistration	6.1.0	CR	IMS-CCR	Rel-6
AGREED	N1-040330	24.229	609		F	Sending authentication challenge	5.7.0	CR	IMS-CCR	Rel-5
AGREED	N1-040331	24.229	610		A	Sending authentication challenge	6.1.0	CR	IMS-CCR	Rel-6
AGREED	N1-040334	24.229	613		F	Reference to PDF operation	6.1.0	CR	IMS2	Rel-6
AGREED	N1-040465	24.229	614	1	F	Support of MESSAGE (Profile Tables)	5.7.0	CR	IMS-CCR	Rel-5
AGREED	N1-040466	24.229	615	1	A	Support of MESSAGE (Profile Tables)	6.1.0	CR	IMS-CCR	Rel-6
AGREED	N1-040487	24.229	616	2	B	Introduction of PSI Routing to 24.229	6.1.0	CR	IMS2	Rel-6
AGREED	N1-040463	24.229	617	1	B	P-CSCF Re-selection	6.1.0	CR	IMS2	Rel-6
AGREED	N1-040344	24.229	618		B	I-CSCF does not re-select S-CSCF during re-registration	6.1.0	CR	IMS2	Rel-6
AGREED	N1-040430	24.229	620	1	B	Handling of media authorization token due to messaging	6.1.0	CR	IMS2	Rel-6

CRs for e-mail agreement

None

Documents Endorsed by N1

None

Annex D Tdoc list (incl. the status)

TDoc #	Tdoc Title	Source	Spec	CR #	Rev	WI	C_Version	Rel	CAT	Type	Comments	Status
N1-031413	LS on identified NAS/AS issue for Shared networks in connected mode	RAN3								LS IN	R3-031252, To: SA2, CN1, Cc: , Forwarded from N1-32.	NOTED
N1-040030	Reply LS on Special-RAND mechanism	SA3								LS IN	S3-030802, To: CN1, Cc: GERAN2, Forwarded from CN1#32bis.	NOTED
N1-040134	LS on “IMS messaging, Group management and Presence work overlap between 3GPP and OMA	SA1								LS IN	S1-040253, To: SA2, SA3, CN1, Cc: SA, CN, Forwarded from CN1#32bis.	LS OUT in 373
N1-040204	Atlanta 0402	CN1 chairman								AGENDA		AGREED
N1-040205	Latest workplan for review	MCC								WORK PLAN		REVISE TO 460
N1-040206	Added Session Management (SM) Cause Value for APN Type Conflict	Vodafone	24.008	841		TEI6	6.3.0	Rel-6	B	CR		REVISE TO 438
N1-040207	Renaming of the Available Codecs List to Iu Supported Codecs List	Siemens	23.009	102		TRFO-OOBTC	5.7.0	Rel-5	F	CR		REVISE TO 389
N1-040208	Correction of the condition for the tear down of PDP contexts	Siemens	24.008	842		TEI6	6.3.0	Rel-6	F	CR		AGREED
N1-040209	Reply LS on Trace Management	SA5 SWGA								LS IN	S5-042025, To: CN4, Cc: CN1, CN2,	NOTED
N1-040210	LS on NAS/AS issue for Shared Network in connected mode	RAN3								LS IN	R3-031826, To: SA2, CN1, Cc: ,	NOTED
N1-040211	Response LS on identified NAS/AS issue for Shared networks in connected mode	SA2								LS IN	S2-033763, To: RAN3, CN1, Cc: ,	NOTED
N1-040212	Implementation of T200 timer.	GERAN3								LS IN	GP-032783, To: CN1, Cc: GERAN,	LS OUT in 374
N1-	Reply LS on PDP	GERAN2								LS IN	GP-032815,	NOTED

040213	context to SAPI mapping										To: SA2, CN1, Cc: ,	
N1-040214	LS on DNS domains used on the GRX	GSMA IREG PACKET working party								LS IN	PACKET Doc 17_006, To: CN4, CN, Cc: CN1,	NOTED
N1-040215	Response to LS "Inclusion of IMS Signalling Indicator in S-CDR"	SA2								LS IN	S2-033802, To: GSMA CPWP, Cc: SA5 (SWG-B), CN1, CN4, GSMA TADIG,	NOTED
N1-040216	Reply to Response on “Work following the joint SA2/RAN2/CN1 meeting on paging”	SA2								LS IN	S2-033806, To: GERAN2, CN1, Cc: RAN2, CN1, RAN, SA,	NOTED
N1-040217	LS on PDP context to SAPI mapping	SA2								LS IN	S2-033808, To: GERAN2, CN1, Cc: ,	LS OUT in 294
N1-040218	Analysis of re-authentication model in 24.229	Lucent Technologies / Milo Orsic	24.229			IMS-CCR	5.7.0	Rel-5		DISC		NOTED
N1-040219	Network-initiated re-authentication	Lucent Technologies / Milo Orsic	24.229	586		IMS-CCR	6.1.0	Rel-6	A	CR		REVISE TO 391
N1-040220	Network-initiated re-authentication	Lucent Technologies / Milo Orsic	24.229	585		IMS-CCR	5.7.0	Rel-5	F	CR		REVISE TO 392
N1-040221	Re-authentication - Abnormal cases	Lucent Technologies / Milo Orsic	24.229	588		IMS-CCR	6.1.0	Rel-6	A	CR		REVISE TO 393
N1-040222	Re-authentication - Abnormal cases	Lucent Technologies / Milo Orsic	24.229	587		IMS-CCR	5.7.0	Rel-5	F	CR		REVISE TO 394
N1-040223	Subsequent requests	Lucent Technologies / Milo Orsic	24.229	590		IMS-CCR	6.1.0	Rel-6	A	CR		WITHDRAWN
N1-040224	Subsequent requests	Lucent Technologies / Milo Orsic	24.229	589		IMS-CCR	5.7.0	Rel-5	F	CR		WITHDRAWN
N1-040225	Itegrity protected - correction	Lucent Technologies / Milo Orsic	24.229	592		IMS-CCR	6.1.0	Rel-6	A	CR		REVISE TO 398
N1-040226	Itegrity protected - correction	Lucent Technologies / Milo Orsic	24.229	591		IMS-CCR	5.7.0	Rel-5	F	CR		REVISE TO 399
N1-040227	Initiating Back to Back User Agent	INT	23.218	065		IMS-CCR	5.7.0	Rel-5	F	CR		REVISE TO 413
N1-040228	Initiating Back to Back User Agent	INT	23.218	066		IMS-CCR	6.0.0	Rel-6	A	CR		REVISE TO 414

N1-040229	Clarification on the meaning of MS network capability indicator bits	NTT DoCoMo	24.008	832		TEI6	6.3.0	Rel-6	F	CR		AGREED
N1-040230	PLMN Selection, Routing and Radio Planning	Motorola				Nshare				DISC		NOTED
N1-040231	Clarification regarding use of RAT during background PLMN scanning	Motorola	23.122	062	2	TEI6	5.3.0	Rel-6	F	CR		WITHDRAWN
N1-040232	Use of TMSI/IMSI in CM SERVICE REQUEST on redirection	Motorola								DISC		NOTED
N1-040233	Recovery from Faulty Network	Motorola								DISC		NOTED
N1-040234	Including TMGI in the MBMS message	Motorola	29.846			MBMS	1.1.0	Rel-6		DISC		REVISE TO 420
N1-040235	Possibility for the network to check Preconditions	Orange	24.229	593		IMS-CCR	5.7.0	Rel-5	F	CR		REVISE TO 457
N1-040236	Possibility for the network to check Preconditions	Orange	24.229	594		IMS-CCR	6.1.0	Rel-6	A	CR		REVISE TO 458
N1-040237	Sec-agree parameter in "Proxy-Require" header	Orange	24.229	595		IMS-CCR	5.7.0	Rel-5	F	CR		REJECTED
N1-040238	Sec-agree parameter in "Proxy-Require" header	Orange	24.229	596		IMS-CCR	6.1.0	Rel-6	A	CR		REVISE TO 400
N1-040239	Use of TMSI/IMSI in CM SERVICE REQUEST message in case of ergency call redirection and change of LAI	Motorola	24.008	831		TEI6	6.3.0	Rel-6	F	CR		REVISE TO 439
N1-040240	Editorial modification in notation conventions	Huawei, China Mobile	24.228	126		IMS-CCR	5.7.0	Rel-5	F	CR		Not available
N1-040241	Definition of MS idle mode	Nokia	23.122	067		TEI6	5.3.0	Rel-6	F	CR		REVISE TO 440
N1-040242	Usage of HPLMNAcT by the UE	Nokia	23.122	068		TEI6	5.3.0	Rel-6	F	CR		AGREED
N1-040243	Conditions for PFI usage	Nokia	24.008	833		TEI	3.17.0	R99	F	CR		REVISE TO 382
N1-040244	Conditions for PFI usage	Nokia	24.008	834		TEI	4.12.0	Rel-4	A	CR		REVISE TO 383
N1-040245	Conditions for PFI usage	Nokia	24.008	835		TEI	5.10.0	Rel-5	A	CR		REVISE TO 384
N1-040246	Conditions for PFI usage	Nokia	24.008	836		TEI	6.3.0	Rel-6	A	CR		REVISE TO 385
N1-040247	Correction to RRC establishment cause mapping	Nokia	24.008	837		TEI	3.17.0	R99	F	CR		REJECTED
N1-040248	Correction to RRC establishment cause mapping	Nokia	24.008	838		TEI	4.12.0	Rel-4	A	CR		REJECTED
N1-040249	Correction to RRC establishment cause	Nokia	24.008	839		TEI	5.10.0	Rel-5	A	CR		REJECTED

	mapping											
N1-040250	Correction to RRC establishment cause mapping	Nokia	24.008	840		TEI	6.3.0	Rel-6	A	CR		REJECTED
N1-040251	Correction to P-CSCF procedures on including charging information	Nortel	24.229	597		IMS-CCR	5.7.0	Rel-5	F	CR		REVISE TO 395
N1-040252	Correction to P-CSCF procedures on including charging information	Nortel	24.229	598		IMS-CCR	6.1.0	Rel-6	A	CR		REVISE TO 396
N1-040253	IETF references on Partial Notification	Nortel	24.841			PRESNC	1.3.0	Rel-6	F	CR		WITHDRAWN
N1-040254	Editorial Corrections	Nortel	24.247			IMS2	0.3.1	Rel-6	D	CR		Not available
N1-040255	Emergency call establishment before location updating	Nortel	24.008	850		TEI6	6.3.0	Rel-6	C	CR		REJECTED
N1-040256	Correction to description of conditions for FACCH notifications	Nortel, Siemens, Sagem, Kapsch, Marconi	43.068	015		ASCI	5.3.0	Rel-5	F	CR		WITHDRAWN
N1-040257	Correction to description of conditions for FACCH notifications	Nortel, Siemens, Sagem, Kapsch, Marconi	43.069	011		ASCI	5.3.0	Rel-5	F	CR		WITHDRAWN
N1-040258	Signalling flow for releasing session based messaging	Samsung Electronics				IMS2		Rel-6		DISC		NOTED
N1-040259	Signalling flows of messaging	Samsung Electronics				IMS2		Rel-6		DISC		Not available
N1-040260	Correction in functional entities	Siemens	29.847			IMS2	1.2.0	Rel-6		CR		AGREED
N1-040261	Update of Scope	Siemens	24.247			IMS2	0.3.1	Rel-6		CR		AGREED
N1-040262	Correction of flows	Siemens	24.247			IMS2	0.3.1	Rel-6		CR		AGREED
N1-040263	SDP for session based messaging	Siemens	24.247			IMS2	0.3.1	Rel-6		CR		REVISE TO 426
N1-040264	Definition of MSRP role for AS and MRFP	Siemens	24.247			IMS2	0.3.1	Rel-6		CR		REVISE TO 427
N1-040265	Record-Route in target refresh and subsequent request	Siemens	24.229	599		IMS-CCR	5.7.0	Rel-5	F	CR		REVISE TO 401
N1-040266	Record-Route in target refresh and subsequent request	Siemens	24.229	600		IMS-CCR	6.1.0	Rel-6	A	CR		REVISE TO 402
N1-040267	Resolution of handover problems not fully resolved by	Lucent Technologies / Nigel				TEI5		Rel-5		DISC	Not presented	REVISE TO 372

	CR78 to 3GPP TS 29.010	Berry										
N1-040268	Resolution of handover problems not fully resolved by CR78 to 3GPP TS 29.010	Lucent Technologies / Nigel Berry	23.009	103		TEI5	5.7.0	Rel-5	F	CR		WITHDRAWN
N1-040269	Summary of current IETF documents on SIPPING	Lucent Technologies / Keith Drage				IMS-CCR				INFO		NOTED
N1-040270	Summary of current IETF documents on SIP	Lucent Technologies / Keith Drage				IMS-CCR				INFO		NOTED
N1-040271	Summary of current IETF documents on MMUSIC	Lucent Technologies / Keith Drage				IMS-CCR				INFO		NOTED
N1-040272	Summary of current IETF documents on SIMPLE	Lucent Technologies / Keith Drage				PRESNC		Rel-6		INFO		NOTED
N1-040273	Summary of current IETF documents on XCON	Lucent Technologies / Keith Drage				IMS2		Rel-6		INFO		NOTED
N1-040274	Draft 3GPP TR 24.841 "Presence based on SIP; Functional models, information flows and protocol details"	Lucent Technologies / Keith Drage	24.841			PRESNC	1.3.0	Rel-6		TR		NOTED
N1-040275	Draft 3GPP TS 24.141 "Presence service using the IP Multimedia (IM) Core Network (CN) subsystem; Stage 3"	Lucent Technologies / Keith Drage	24.141			PRESNC	0.2.0	Rel-6		TS		NOTED
N1-040276	Presence WID open issues list	Lucent Technologies / Keith Drage				PRESNC		Rel-6		INFO		NOTED
N1-040277	IMS2 WID open issues list	Lucent Technologies / Keith Drage				IMS2		Rel-6		INFO		REVISE TO 415
N1-040278	CR to 24.841: PIDF alignment	Lucent Technologies / Keith Drage	24.841			PRESNC	1.3.0	Rel-6		CR		AGREED
N1-040279	CR to 24.841: Editorial changes	Lucent Technologies / Keith Drage	24.841			PRESNC	1.3.0	Rel-6		CR		REVISE TO 416
N1-040280	CR to 24.247: Editorial changes	Lucent Technologies / Keith Drage	24.247			IMS2	0.3.1	Rel-6		CR		AGREED
N1-040281	An analysis of the requirements of the	Lucent Technolog				IMS2		Rel-6		DISC		NOTED

	Accept-Contact header	ies / Keith Drage										
N1-040282	An analysis of the requirements of the Reject-Contact header	Lucent Technologies / Keith Drage				IMS2		Rel-6		DISC		NOTED
N1-040283	An analysis of the requirements of the Request-Disposition header	Lucent Technologies / Keith Drage				IMS2		Rel-6		DISC		NOTED
N1-040284	Inclusion of caller preferences into profile	Lucent Technologies / Keith Drage	24.229	579	1	IMS2	6.1.0	Rel-6	B	CR		AGREED
N1-040285	Introduction of the special RAND mechanism	Orange	24.008	843		TEI6	6.3.0	Rel-6	B	CR		WITHDRAWN
N1-040286	Missing statements regarding P-Charging-Function-Addresses	Orange	24.229	601		IMS-CCR	5.7.0	Rel-5	F	CR		REVISE TO 403
N1-040287	Missing statements regarding P-Charging-Function-Addresses	Orange	24.229	602		IMS-CCR	6.1.0	Rel-6	A	CR		REVISE TO 404
N1-040288	P-Charging-Function-Addresses header	Orange	24.228	127		IMS-CCR	5.7.0	Rel-5	F	CR		REVISE TO 495
N1-040289	Clarification on the use of the RAT during background scanning	O2	23.122	063	1	TEI	3.10.0	R99	F	CR		WITHDRAWN
N1-040290	Clarification on the use of the RAT during background scanning	O2	23.122	064	1	TEI	4.4.0	Rel-4	A	CR		WITHDRAWN
N1-040291	Clarification on the use of the RAT during background scanning	O2	23.122	065	2	TEI	5.3.0	Rel-5	A	CR		WITHDRAWN
N1-040292	Clarification on the use of the RAT during background scanning	O2	23.122	069		TEI6	5.3.0	Rel-6	F	CR		REVISE TO 433
N1-040293	Session-based Messaging with Intermediate Node Flow A.4.4	RIM	24.247			IMS2	0.3.1	Rel-6	B	CR		REVISE TO 428
N1-040294	Reply to LS on PDP context to SAPI mapping	Robert Z./Siemens								LS OUT	Reply to N1-040217. To: SA2, Cc: GERAN2,	REVISE TO 375
N1-040295	EAP Method policies	Nokia/Inma	24.234			WLAN	1.1.0	Rel-6	B	CR		REVISE TO 477
N1-040296	I-WLAN Network Selection procedure	Nokia/Inma				WLAN				DISC		WITHDRAWN
N1-040297	I-WLAN Network Selection (indication of 3G IW)	Nokia/Inma	24.234			WLAN	1.1.0	Rel-6	B	CR		WITHDRAWN
N1-040298	Usage of leading digits in IMSI based permanent username	Nokia/Inma	24.234			WLAN	1.1.0	Rel-6	F	CR		REVISE TO 447
N1-040299	Update of Parameters coding clause	Nokia/Inma	24.234			WLAN	1.1.0	Rel-6	B	CR		REVISE TO 448
N1-040300	Update of WLAN protocols	Nokia/Inma	24.234			WLAN	1.1.0	Rel-6	F	CR		REVISE TO 446
N1-	Update of Definitions	Nokia/Inm	24.234			WLAN	1.1.0	Rel-	F	CR		REVISE

040301	clause	a						6				TO 449
N1-040302	I-WLAN Network Selection clean-up and update	Nokia/Inma	24.234			WLAN	1.1.0	Rel-6	F	CR		REVISE TO 451
N1-040303	WLAN PLMN Selection clean-up and update	Nokia/Inma	24.234			WLAN	1.1.0	Rel-6	F	CR		REVISE TO 452
N1-040304	Cleanup for IP-CAN and GPRS	Ericsson / A Monrad	24.229	603		IMSCOOP	6.1.0	Rel-6	D	CR		AGREED
N1-040305	Corrections to Annex A.1 - A.4.2	Ericsson / A Monrad	24.247			IMS2	0.3.1	Rel-6		CR		REVISE TO 429
N1-040306	Corrections to Annex A.4.3	Ericsson / A Monrad	24.247			IMS2	0.3.1	Rel-6		CR		AGREED
N1-040307	Corrections to Annex B	Ericsson / A Monrad	24.247			IMS2	0.3.1	Rel-6		CR		AGREED
N1-040308	Role of RAT as criteria in the PLMN selection	Infineon AG	23.122	070		TEI6	5.3.0	Rel-6	F	CR		REVISE TO 434
N1-040309	Status of PFI value after PDP context modification	Infineon AG	24.008	844		TEI6	6.3.0	Rel-6	F	CR		AGREED
N1-040310	MS reaction upon RRC connection release with cause "Directed signalling connection re-establishment"	Infineon AG	24.008	845		TEI6	6.3.0	Rel-6	F	CR		REVISE TO 453
N1-040311	Discussion on the use of privacy in IM CN subsystem	Lucent Technologies / Keith Drage				IMS-CCR		Rel-5		DISC		NOTED
N1-040312	Completion of major capabilities table in respect of privacy	Lucent Technologies / Keith Drage	24.229	367	5	IMS-CCR	5.7.0	Rel-5	F	CR		REVISE TO 405
N1-040313	Completion of major capabilities table in respect of privacy	Lucent Technologies / Keith Drage	24.229	488	2	IMS-CCR	6.1.0	Rel-6	A	CR		REVISE TO 406
N1-040314	P-CSCF integrity protection	Lucent Technologies / Keith Drage	24.229	498	3	IMS-CCR	5.7.0	Rel-5	F	CR		REVISE TO 474
N1-040315	P-CSCF integrity protection	Lucent Technologies / Keith Drage	24.229	499	3	IMS-CCR	6.1.0	Rel-6	A	CR		REVISE TO 475
N1-040316	Handling of key sets	Ericsson	24.008	846		TEI5	5.10.0	Rel-5	F	CR		REVISE TO 435
N1-040317	Handling of key sets	Ericsson	24.008	847		TEI5	6.3.0	Rel-6	A	CR		REVISE TO 436
N1-040318	Maintaining the PS signaling connection	Ericsson								DISC		NOTED
N1-040319	Follow-on proceed for the PS domain	Ericsson	24.008	848		TEI6	6.3.0	Rel-6	B	CR		REVISE TO 454
N1-040320	CR to TR 29.846: Reuse of the PDP Context Deactivation	Ericsson	29.846			MBMS	1.1.0	Rel-6		CR		REVISE TO 421

	for the MBMS Multicast Service Deactivation											
N1-040321	Procedures update	Nokia	24.841			PRESNC	1.3.0	Rel-6		CR		REVISE TO 417
N1-040322	Flow update	Nokia	24.841			PRESNC	1.3.0	Rel-6		CR		REVISE TO 418
N1-040323	On behalf of flow update	Nokia	24.841			PRESNC	1.3.0	Rel-6		CR		AGREED
N1-040324	UE requesting no fork	Nokia	24.229	578	2	IMS2	6.1.0	Rel-6	B	CR	Overriding N1-040184, CR#578r1 which was agreed in CN1#32bis	REVISE TO 442
N1-040325	Forking in S-CSCF	Nokia	24.229	604		IMS2	6.1.0	Rel-6	B	CR		AGREED
N1-040326	Determination of S-CSCF role	Nokia	24.229	605		IMS2	6.1.0	Rel-6	B	CR	Not presented.	REVISE TO 381
N1-040327	SDP offer handling in SIP responses in S-CSCF and P-CSCF	Nokia	24.229	606		IMS2	6.1.0	Rel-6	F	CR		POSTPONED
N1-040328	Unprotected deregistration	Nokia	24.229	608		IMS2	6.1.0	Rel-6	A	CR		REVISE TO 409
N1-040329	Unprotected deregistration	Nokia	24.229	607		IMS-CCR	5.7.0	Rel-5	F	CR		REVISE TO 410
N1-040330	Sending authentication challenge	Nokia	24.229	609		IMS-CCR	5.7.0	Rel-5	F	CR		AGREED
N1-040331	Sending authentication challenge	Nokia	24.229	610		IMS-CCR	6.1.0	Rel-6	A	CR		AGREED
N1-040332	DoS attack prevention	Nokia	24.229	612		IMS2	6.1.0	Rel-6	A	CR		REVISE TO 411
N1-040333	DoS attack prevention	Nokia	24.229	611		IMS-CCR	5.7.0	Rel-5	F	CR		REVISE TO 412
N1-040334	Reference to PDF operation	Nokia	24.229	613		IMS2	6.1.0	Rel-6	F	CR		AGREED
N1-040335	Editorial modification in notation conventions	Huawei, China Mobile	24.228	128		IMS-CCR	5.7.0	Rel-5	F	CR		AGREED
N1-040336	Support of MESSAGE (Profile Tables)	Nokia / Georg	24.229	614		IMS-CCR	5.7.0	Rel-5	F	CR		REVISE TO 465
N1-040337	Support of MESSAGE (Profile Tables)	Nokia / Georg	24.229	615		IMS-CCR	6.1.0	Rel-6	A	CR		REVISE TO 466
N1-040338	TR 24.847: PSI Routing Update	Nokia / Georg	24.847			IMS2	1.2.0	Rel-6		CR		REVISE TO 423
N1-040339	TR 24.847: Introduction of Referred-By header (Flows)	Nokia / Georg	24.847			IMS2	1.2.0	Rel-6		CR		REVISE TO 424
N1-040340	TR 24.847: PSI Routing Scenarios Overview	Nokia / Georg	24.847			IMS2	1.2.0	Rel-6		CR		REVISE TO 425
N1-040341	Discussion Paper: Introduction of PSI Routing to 24.229	Nokia / Georg								DISC		NOTED

N1-040342	Introduction of PSI Routing to 24.229	Nokia / Georg	24.229	616		IMS2	6.1.0	Rel-6	B	CR		REVISE TO 443
N1-040343	P-CSCF Re-selection	Nokia / Georg	24.229	617		IMS2	6.1.0	Rel-6	B	CR		REVISE TO 463
N1-040344	I-CSCF does not re-select S-CSCF during re-registration	Nokia / Georg	24.229	618		IMS2	6.1.0	Rel-6	B	CR		AGREED
N1-040345	S-CSCF Re-Selection	Nokia / Georg	24.229	619		IMS2	6.1.0	Rel-6	B	CR		REJECTED
N1-040346	Agreed working assumptions on MBMS SM protocol	Ericsson LM	29.846			MBMS	1.1.0	Rel-6	F	CR		REVISE TO 422
N1-040347	Clarification of UE behaviour at network initiated GPRS Detach	Ericsson LM	24.008	849		TEI6	6.3.0	Rel-6	F	CR		REVISE TO 455
N1-040348	LS on Permissibility of Separate RRC Connections for Sequential CS and PS Registration	T1								LS IN	T1-040259, To: CN1, Cc: RAN2,	LS OUT in 376
N1-040349	LS on Technical Report on Mobility between H.323 Multimedia Systems and GPRS/IMT2000 Networks	ITU-T SG 16								LS IN	COM16–LS15–E,To: CN1, CN3, SA1, SA2, Cc: ,	LS OUT in 377
N1-040350	LS on Clarification of optional TMSI Status IE in Attach Request and Routing Area Update Request Messages	T1								LS IN	T1-040422, To: CN1, Cc: ,	LS OUT in 378
N1-040351	LS on completion of the call set-up delay reduction feature in GERAN	GERAN2								LS IN	GP-040532, To: CN1, RAN2, Cc: ,	LS OUT in 379
N1-040352	On the Preferred Roaming List for 3GPP2/3GPP Multi-mode Terminal	GERAN								LS IN	GP-040554, To: CN1, SA, SA1, Cc: SA2, RAN2,	NOTED
N1-040353	Questions on re-authentication for end-to-end tunnel establishment	SA2								LS IN	S2-034384, To: SA3, Cc: CN1,	NOTED
N1-040354	LS Response on “Questions on the possibility to not use Preconditions in Release 5”	SA2								LS IN	S2-034387, To: CN1, Cc: ,	NOTED
N1-040355	MBMS Service Request Discussion	Samsung				MBMS		Rel-6		DISC	Not presented.	REVISE TO 397
N1-040356	MBMS Service Request Proposal	Samsung	29.846			MBMS	1.1.0	Rel-6		CR		REVISE TO 467
N1-040357	Optimization of Network selection procedures	Nokia/Inma				WLAN				DISC		NOTED
N1-	Optimization of	Nokia/Inm	24.234			WLAN	1.1.0	Rel-		CR		REVISE

040358	Network selection procedures	a						6				TO 445
N1-040359	Handling of media authorization token in case of instant messaging	Ericsson / A Monrad	24.229	620		IMS2	6.1.0	Rel-6	B	CR		REVISE TO 430
N1-040360	Role of RAT as criteria in the PLMN selection	Infineon AG	22.011			TEI6	6.2.0	Rel-6	F	DISC		NOTED
N1-040361	PSI subdomain based routing	Ericsson / W Eriksen	24.841			PRESNC	1.3.0	Rel-6		CR		REVISE TO 419
N1-040362	MS class behaviour in case of a network inititated detach with detach type "IMSI detach"	Infineon AG	24.008	851		TEI6	6.3.0	Rel-6	F	CR		AGREED
N1-040363	Reply LS to 3GPP on principles for overlapping issues with OMA regarding PoC	OMA POC WG								LS IN	OMA-POC-2004-0053R01, To: SA, SA2, 3GPP2 TSG-S, TSG-X, Cc: SA1, CN1,	NOTED
N1-040364	Bootstrapping interface (Ub) and Network application function interface (Ua); Protocol details	Nokia	24.cde				0.0.1	Rel-6		INFO		NOTED
N1-040365	LS on emergency call enhancements for IP & PS based calls	T3								LS IN	T3-040089, To: SA1, CN1, Cc: ,	LS OUT in 380
N1-040366	LS on Video call bearer capabilities	T3								LS IN	T3-040156, To: CN1, T, Cc: ,	Forward to CN1#33s
N1-040367	LS: reply to LS S1-040253 (=S3-040018) on “IMS messaging, Group management and Presence work overlap between 3GPP and OMA”	SA3								LS IN	S3-040185, To: SA1, SA, CN, SA2, CN1, Cc: ,	NOTED
N1-040368	Reply LS on WLAN authentication and authorization	SA3								LS IN	S3-040195, To: CN1, Cc: SA2, CN4,	NOTED
N1-040369	Reply LS on Parameters and files for WLAN interworking	SA3								LS IN	S3-040196, To: CN1, SA2, T3, Cc: ,	NOTED
N1-040370	Reply LS on Questions on re-authentication for end-to-end tunnel establishment	SA3								LS IN	S3-040198, To: SA2, Cc: CN1,	NOTED
N1-040371	LS on HTTP based services and order of procedures	SA3								LS IN	S3-040200, To: SA4, SA2, Cc: CN1,	NOTED
N1-040372	Resolution of handover problems not fully resolved by CR78 to 3GPP TS 29.010	Lucent Technologies / Nigel Berry				TEI5		Rel-5		DISC	Revised from 267.	WITHDRAWN
N1-	LS on “IMS	Keith D./								LS OUT	Reply to 134.	REVISE

040373	messaging, Group management and Presence work overlap between 3GPP and OMA	Lucent									To: SA, CN, Cc:	TO 469
N1-040374	Reply to LS on Implementation of T200 timer	Christian H./ Ericsson								LS OUT	Reply to 212. To: GERAN3, Cc: GERAN,	AGREED
N1-040375	Reply to LS on PDP context to SAPI mapping	Robert Z./Siemens								LS OUT	Reply to N1-040217. Revised from 294. To: SA2, Cc: GERAN2,	AGREED
N1-040376	LS on Permissibility of Separate RRC Connections for Sequential CS and PS Registration	Andrew H./ Motorola								LS OUT	Reply to 348. To: T1, RAN2, Cc:	REVISE TO 470
N1-040377	LS on Technical Report on Mobility between H.323 Multimedia Systems and GPRS/IMT2000 Networks	Keith D./ Lucent								LS OUT	Reply to 349. To: CN, SA, Cc: ,	REVISE TO 471
N1-040378	LS on Clarification of optional TMSI Status IE in Attach Request and Routing Area Update Request Messages	Andrew H./ Motorola								LS OUT	Reply to 350. To: T1, Cc:	AGREED
N1-040379	Reply LS on completion of the call set-up delay reduction feature	Peter D./ Vodafone								LS OUT	Reply to 351. To: GERAN2, Cc: RAN2,	AGREED
N1-040380	Reply LS on emergency call enhancements for IP & PS based calls	Atle M./ Ericsson								LS OUT	Reply to 365. To: T3, Cc: SA1,	AGREED
N1-040381	Determination of S-CSCF role	Nokia	24.229	605	1	IMS2	6.1.0	Rel-6	B	CR	Revised from 326.	REVISE TO 464
N1-040382	Conditions for PFI usage	Nokia	24.008	833	1	TEI	3.17.0	R99	F	CR	Revised from 243.	AGREED
N1-040383	Conditions for PFI usage	Nokia	24.008	834	1	TEI	4.12.0	Rel-4	A	CR	Revised from 244.	AGREED
N1-040384	Conditions for PFI usage	Nokia	24.008	835	1	TEI	5.10.0	Rel-5	A	CR	Revised from 245.	AGREED
N1-040385	Conditions for PFI usage	Nokia	24.008	836	1	TEI	6.3.0	Rel-6	A	CR	Revised from 246.	AGREED
N1-040386	Background scan procedure clarifications	Orange								DISC		NOTED
N1-040387	Use of Radio Access Technology in Periodic PLMN Scan	Motorola								DISC		NOTED
N1-040388	Partial Publishing	Nortel	24.841			PRESNC	1.3.0	Rel-6	F	CR		REVISE TO 476
N1-040389	Renaming of the Available Codecs List to Iu Supported	Siemens	23.009	102	1	TRFO-OOBTC	5.7.0	Rel-5	F	CR	Revised from 207. Not available.	REVISE TO 468

	Codecs List											
N1-040390	Work Item Description on Trace Management, stage3, network	Nokia/CN 4						Rel-6		WID		NOTED
N1-040391	Network-initiated re-authentication	Lucent Technologies / Milo Orsic	24.229	586	1	IMS-CCR	6.1.0	Rel-6	A	CR	Revised from 219	AGREED
N1-040392	Network-initiated re-authentication	Lucent Technologies / Milo Orsic	24.229	585	1	IMS-CCR	5.7.0	Rel-5	F	CR	Revised from 220	AGREED
N1-040393	Re-authentication - Abnormal cases	Lucent Technologies / Milo Orsic	24.229	588	1	IMS2	6.1.0	Rel-6	F	CR	Revised from 221	AGREED
N1-040394	Re-authentication - Abnormal cases	Lucent Technologies / Milo Orsic	24.229	587	1	IMS-CCR	5.7.0	Rel-5	F	CR	Revised from 222. Not available.	WITHDRAWN
N1-040395	Correction to P-CSCF procedures on including charging information	Nortel	24.229	597	1	IMS-CCR	5.7.0	Rel-5	F	CR	Revised from 251	WITHDRAWN
N1-040396	Correction to P-CSCF procedures on including charging information	Nortel	24.229	598	1	IMS-CCR	6.1.0	Rel-6	A	CR	Revised from 252	WITHDRAWN
N1-040397	MBMS Service Request Discussion	Samsung				MBMS		Rel-6		DISC	Revised from 355	NOTED
N1-040398	Itegrity protected - correction	Lucent Technologies / Milo Orsic	24.229	592	1	IMS-CCR	6.1.0	Rel-6	A	CR	Revised from 225	AGREED
N1-040399	Itegrity protected - correction	Lucent Technologies / Milo Orsic	24.229	591	1	IMS-CCR	5.7.0	Rel-5	F	CR	Revised from 226	AGREED
N1-040400	Sec-agree parameter in "Proxy-Require" header	Orange	24.229	596	1	IMS2	6.1.0	Rel-6	F	CR	Revised from 238	AGREED
N1-040401	Record-Route in target refresh and subsequent request	Siemens	24.229	599	1	IMS-CCR	5.7.0	Rel-5	F	CR	Revised from 265	REVISE TO 480
N1-040402	Record-Route in target refresh and subsequent request	Siemens	24.229	600	1	IMS-CCR	6.1.0	Rel-6	A	CR	Revised from 266	REVISE TO 481
N1-040403	Missing statements regarding P-Charging-Function-Addresses	Orange	24.229	601	1	IMS-CCR	5.7.0	Rel-5	F	CR	Revised from 286	AGREED
N1-040404	Missing statements regarding P-Charging-Function-Addresses	Orange	24.229	602	1	IMS-CCR	6.1.0	Rel-6	A	CR	Revised from 287	AGREED
N1-040405	Completion of major capabilities table in respect of privacy	Lucent Technologies / Keith Drage	24.229	367	6	IMS-CCR	5.7.0	Rel-5	F	CR	Revised from 312	AGREED
N1-040406	Completion of major capabilities table in	Lucent Technolog	24.229	488	3	IMS-CCR	6.1.0	Rel-6	A	CR	Revised from 313	AGREED

	respect of privacy	ies / Keith Drage										
N1-040407	LS on P-Charging-Function-Addresses header	Sophie A./ Orange								LS OUT	Related to 403 To: SA5, Cc: ,	WITHDRAWN
N1-040408	Query on another reg-event change	Lucent T./ Keith								DISC		NOTED
N1-040409	Unprotected deregistration	Nokia	24.229	608	1	IMS2	6.1.0	Rel-6	A	CR	Revised from 328	REVISE TO 482
N1-040410	Unprotected deregistration	Nokia	24.229	607	1	IMS-CCR	5.7.0	Rel-5	F	CR	Revised from 329	REVISE TO 483
N1-040411	DoS attack prevention	Nokia	24.229	612	1	IMS2	6.1.0	Rel-6	A	CR	Revised from 332	Not available
N1-040412	DoS attack prevention	Nokia	24.229	611	1	IMS-CCR	5.7.0	Rel-5	F	CR	Revised from 333	Not available
N1-040413	Initiating Back to Back User Agent	INT	23.218	065	1	IMS-CCR	5.7.0	Rel-5	F	CR	Revised from 227	REJECTED
N1-040414	Initiating Back to Back User Agent	INT	23.218	066	1	IMS-CCR	6.0.0	Rel-6	A	CR	Revised from 228	REVISE TO 472
N1-040415	IMS2 WID open issues list	Lucent Technologies / Keith Drage				IMS2		Rel-6		INFO	Revised from 277	NOTED
N1-040416	CR to 24.841: Editorial changes	Lucent Technologies / Keith Drage	24.841			PRESNC	1.3.0	Rel-6		CR	Revised from 279	AGREED
N1-040417	Procedures update	Nokia/Nortel	24.841			PRESNC	1.3.0	Rel-6		CR	Revised from 321	AGREED
N1-040418	Flow update	Nokia/Nortel	24.841			PRESNC	1.3.0	Rel-6		CR	Revised from 322	AGREED
N1-040419	PSI subdomain based routing	Ericsson / W Eriksen	24.841			PRESNC	1.3.0	Rel-6		CR	Revised from 361	REVISE TO 485
N1-040420	Including TMGI in the MBMS message	Motorola	29.846			MBMS	1.1.0	Rel-6		CR	Revised from 234	REVISE TO 473
N1-040421	CR to TR 29.846: Reuse of the PDP Context Deactivation for the MBMS Multicast Service Deactivation	Ericsson	29.846			MBMS	1.1.0	Rel-6		CR	Revised from 320	AGREED
N1-040422	Agreed working assumptions on MBMS SM protocol	Ericsson LM	29.846			MBMS	1.1.0	Rel-6	F	CR	Revised from 346	AGREED
N1-040423	TR 24.847: PSI Routing Update	Nokia / Georg	24.847			IMS2	1.2.0	Rel-6		CR	Revised from 338	AGREED
N1-040424	TR 24.847: Introduction of Referred-By header (Flows)	Nokia / Georg	24.847			IMS2	1.2.0	Rel-6		CR	Revised from 339	AGREED
N1-040425	TR 24.847: PSI Routing Scenarios Overview	Nokia / Georg	24.847			IMS2	1.2.0	Rel-6		CR	Revised from 340	AGREED
N1-040426	SDP for session based messaging	Siemens	24.247			IMS2	0.3.1	Rel-6		CR	Revised from 263	AGREED
N1-040427	Definition of MSRP role for AS and MRFP	Siemens	24.247			IMS2	0.3.1	Rel-6		CR	Revised from 264	REVISE TO 486

N1-040428	Session-based Messaging with Intermediate Node Flow A.4.4	RIM	24.247			IMS2	0.3.1	Rel-6	B	CR	Revised from 293	REVISE TO 488
N1-040429	Corrections to Annex A.1 - A.4.2	Ericsson / A Monrad	24.247			IMS2	0.3.1	Rel-6		CR	Revised from 305	AGREED
N1-040430	Handling of media authorization token due to messaging	Ericsson / A Monrad	24.229	620	1	IMS2	6.1.0	Rel-6	B	CR	Revised from 359	AGREED
N1-040431	Response to LS on I-WLAN Selection	SA2								LS IN	S2-040915, To: CN1, Cc: SA1	NOTED
N1-040432	LS on background scan requirements	Hannu H./ Nokia								LS OUT	Related to 386 and 387. To: CN, Cc: SA,	REVISE TO 444
N1-040433	Clarification on the use of the RAT during background scanning	O2	23.122	069	1	TEI6	5.3.0	Rel-6	F	CR	Revised from 292	REVISE TO 478
N1-040434	Role of RAT as criteria in the PLMN selection	Infineon AG	23.122	070	1	TEI6	5.3.0	Rel-6	F	CR	Revised from 308	REVISE TO 479
N1-040435	Handling of key sets	Ericsson	24.008	846	1	TEI5	5.10.0	Rel-5	F	CR	Revised from 316	REVISE TO 497
N1-040436	Handling of key sets	Ericsson	24.008	847	1	TEI5	6.3.0	Rel-6	A	CR	Revised from 317	REVISE TO 498
N1-040437	LS on Re-authentication and key set change during inter-system handover	Robert Z. /Siemens								LS OUT	Related to 435. To: RAN2, RAN3, SA3, CN4, Cc:	REVISE TO 501
N1-040438	Added Session Management (SM) Cause Value for APN Type Conflict	Vodafone	24.008	841	1	TEI6	6.3.0	Rel-6	B	CR	Revised from 206. Not presented.	REVISE TO 461
N1-040439	Use of TMSI/IMSI in CM SERVICE REQUEST message in case of ergency call redirection and change of LAI	Motorola	24.008	831	1	TEI6	6.3.0	Rel-6	F	CR	Revised from 239. Not presented.	REVISE TO 456
N1-040440	Definition of MS idle mode	Nokia	23.122	067	1	TEI6	5.3.0	Rel-6	F	CR	Revised from 440	AGREED
N1-040441	LS on HPLMNAcT field	Hannu H. /Nokia								LS OUT	Related to 242. To: T1, Cc: T3,	AGREED
N1-040442	UE requesting no fork	Nokia	24.229	578	3	IMS2	6.1.0	Rel-6	B	CR	Overriding N1-040184, CR#578r1 which was agreed in CN1#32bis. Revised from 324	Not available
N1-040443	Introduction of PSI Routing to 24.229	Nokia / Georg	24.229	616	1	IMS2	6.1.0	Rel-6	B	CR	Revised from 342	REVISE TO 487
N1-040444	LS on background scan requirements	Hannu H./ Nokia								LS OUT	Related to 386 and 387. Revised from 432. To: CN, Cc: SA,	AGREED

N1-040445	Optimization of Network selection procedures	Nokia/Inma	24.234			WLAN	1.1.0	Rel-6		CR	Revised from 358	REVISE TO 489
N1-040446	Update of WLAN protocols	Nokia/Inma	24.234			WLAN	1.1.0	Rel-6	F	CR	Revised from 300	REVISE TO 490
N1-040447	Usage of leading digits in IMSI based permanent username	Nokia/Inma	24.234			WLAN	1.1.0	Rel-6	F	CR	Revised from 298	AGREED
N1-040448	Update of Parameters coding clause	Nokia/Inma	24.234			WLAN	1.1.0	Rel-6	B	CR	Revised from 299	AGREED
N1-040449	Update of Definitions clause	Nokia/Inma	24.234			WLAN	1.1.0	Rel-6	F	CR	Revised from 301	REVISE TO 491
N1-040450	LS on the availability of charging information	Sonia G. /Nortel								LS OUT	Related to 395. To: SA2, Cc: CN3,	REVISE TO 484
N1-040451	I-WLAN Network Selection clean-up and update	Nokia/Inma	24.234			WLAN	1.1.0	Rel-6	F	CR	Revised from 302	REVISE TO 492
N1-040452	WLAN PLMN Selection clean-up and update	Nokia/Inma	24.234			WLAN	1.1.0	Rel-6	F	CR	Revised from 303	AGREED
N1-040453	MS reaction upon RRC connection release with cause "Directed signalling connection re-establishment"	Infineon AG	24.008	845	1	TEI6	6.3.0	Rel-6	F	CR	Revised from 310	AGREED
N1-040454	Follow-on proceed for the PS domain	Ericsson	24.008	848	1	TEI6	6.3.0	Rel-6	B	CR	Revised from 319	Not available
N1-040455	Clarification of UE behaviour at network initiated GPRS Detach	Ericsson LM	24.008	849	1	TEI6	6.3.0	Rel-6	F	CR	Revised from 347	REVISE TO 496
N1-040456	Use of TMSI/IMSI in CM SERVICE REQUEST message in case of ergency call redirection and change of LAI	Motorola	24.008	831	2	TEI6	6.3.0	Rel-6	C	CR	Revised from 239 and 439	AGREED
N1-040457	Possibility for the network to check Preconditions	Orange	24.229	593	1	IMS-CCR	5.7.0	Rel-5	F	CR	Revised from 235	POSTPONED
N1-040458	Possibility for the network to check Preconditions	Orange	24.229	594	1	IMS-CCR	6.1.0	Rel-6	A	CR	Revised from 236	POSTPONED
N1-040459	LS on multiple IMS sessions using the same PDP Context	SA2								LS IN	SA2-040988, To: CN3, Cc: CN1,	Forwarded to CN1#33s
N1-040460	Latest workplan for review	MCC								WORK PLAN	Revised from 205	AGREED
N1-040461	Added Session Management (SM) Cause Value for APN Type Conflict	Vodafone	24.008	841	2	TEI6	6.3.0	Rel-6	B	CR	Revised from 206 and 438	AGREED
N1-040462	LS on “P-CSCF gets informed about signalling IP-CAN bearer was released”	Georg M. /Nokia								LS OUT	Related to 345. To: SA2, CN3, Cc:	AGREED
N1-040463	P-CSCF Re-selection	Nokia / Georg	24.229	617	1	IMS2	6.1.0	Rel-6	B	CR	Revised from 343	AGREED

N1-040464	Determination of S-CSCF role	Nokia	24.229	605	2	IMS2	6.1.0	Rel-6	B	CR	Revised from 326 and 381	AGREED
N1-040465	Support of MESSAGE (Profile Tables)	Nokia / Georg	24.229	614	1	IMS-CCR	5.7.0	Rel-5	F	CR	Revised from 336	AGREED
N1-040466	Support of MESSAGE (Profile Tables)	Nokia / Georg	24.229	615	1	IMS-CCR	6.1.0	Rel-6	A	CR	Revised from 337	AGREED
N1-040467	MBMS Service Request Proposal	Samsung	29.846			MBMS	1.1.0	Rel-6		CR	Revised from 356	AGREED
N1-040468	Renaming of the Available Codecs List to Iu Supported Codecs List	Siemens	23.009	102	2	TEI5	5.7.0	Rel-5	F	CR	Revised from 207 and 389	AGREED
N1-040469	LS on “IMS messaging, Group management and Presence work overlap between 3GPP and OMA	Keith D./ Lucent								LS OUT	Reply to 134. To: SA, CN, Cc: . Revised from 373	AGREED
N1-040470	LS on Permissibility of Separate RRC Connections for Sequential CS and PS Registration	Andrew H./ Motorola								LS OUT	Reply to 348. To: T1, RAN2, Cc: , Revised from 376	AGREED
N1-040471	LS on Technical Report on Mobility between H.323 Multimedia Systems and GPRS/IMT2000 Networks	Keith D./ Lucent								LS OUT	Reply to 349. To: CN, SA, Cc: , Revised from 377.	AGREED
N1-040472	Initiating Back to Back User Agent	INT	23.218	066	2	IMS2	6.0.0	Rel-6	F	CR	Revised from 228 and 414	AGREED
N1-040473	Including TMGI in the MBMS message	Motorola	29.846			MBMS	1.1.0	Rel-6		CR	Revised from 234 and 420	AGREED
N1-040474	P-CSCF integrity protection	Lucent Technologies / Keith Drage	24.229	498	4	IMS-CCR	5.7.0	Rel-5	F	CR	Revised from 314	REVISE TO 499
N1-040475	P-CSCF integrity protection	Lucent Technologies / Keith Drage	24.229	499	4	IMS-CCR	6.1.0	Rel-6	A	CR	Revised from 315	REVISE TO 500
N1-040476	Partial Publishing	Nortel	24.841			PRESNC	1.3.0	Rel-6	F	CR	Revised from 388	AGREED
N1-040477	EAP Method policies	Nokia/Inma	24.234			WLAN	1.1.0	Rel-6	B	CR	Revised from 295	AGREED
N1-040478	Clarification on the use of the RAT during background scanning	O2/Ericsson	23.122	069	2	TEI6	5.3.0	Rel-6	F	CR	Revised from 292 and 433	Technicay correc
N1-040479	Role of RAT as criteria in the PLMN selection	Infineon AG	23.122	070	2	TEI6	5.3.0	Rel-6	F	CR	Revised from 308 and 434	REVISE TO 494
N1-040480	Record-Route in target refresh and subsequent request	Siemens	24.229	599	2	IMS-CCR	5.7.0	Rel-5	F	CR	Revised from 265 and 401	AGREED
N1-040481	Record-Route in target refresh and subsequent request	Siemens	24.229	600	2	IMS-CCR	6.1.0	Rel-6	A	CR	Revised from 266 and 402	AGREED
N1-040482	Unprotected deregistration	Nokia	24.229	608	2	IMS-CCR	6.1.0	Rel-6	A	CR	Revised from 328 and 409	AGREED

N1-040483	Unprotected deregistration	Nokia	24.229	607	2	IMS-CCR	5.7.0	Rel-5	F	CR	Revised from 329 and 410	AGREED
N1-040484	LS on the availability of charging information	Sonia G. /Nortel								LS OUT	Related to 395. To: SA2, Cc: CN3, SA5, Revised from 450	AGREED
N1-040485	PSI subdomain based routing	Ericsson / W Eriksen	24.841			PRESNC	1.3.0	Rel-6		CR	Revised from 361 and 419	AGREED
N1-040486	Definition of MSRP role for AS and MRFP	Siemens	24.247			IMS2	0.3.1	Rel-6		CR	Revised from 264 and 427	AGREED
N1-040487	Introduction of PSI Routing to 24.229	Nokia / Georg	24.229	616	2	IMS2	6.1.0	Rel-6	B	CR	Revised from 342 and 443	AGREED
N1-040488	Session-based Messaging with Intermediate Node Flow A.4.4	RIM	24.247			IMS2	0.3.1	Rel-6	B	CR	Revised from 293 and 428	AGREED
N1-040489	Optimization of Network selection procedures	Nokia/Inma	24.234			WLAN	1.1.0	Rel-6		CR	Revised from 358 and 445	AGREED
N1-040490	Update of WLAN protocols	Nokia/Inma	24.234			WLAN	1.1.0	Rel-6	F	CR	Revised from 300 and 446	AGREED
N1-040491	Update of Definitions clause	Nokia/Inma	24.234			WLAN	1.1.0	Rel-6	F	CR	Revised from 301 and 449	AGREED
N1-040492	I-WLAN Network Selection clean-up and update	Nokia/Inma	24.234			WLAN	1.1.0	Rel-6	F	CR	Revised from 302 and 451	AGREED
N1-040493	WID: Revised IMS2 Work Item	Lucent T.				IMS2				WID		REVISE TO 502
N1-040494	Role of RAT as criteria in the PLMN selection	Infineon AG	23.122	070	3	TEI6	5.3.0	Rel-6	F	CR	Revised from 308, 434 and 479	Technica y correc
N1-040495	P-Charging-Function-Addresses header	Orange	24.228	127	1	IMS-CCR	5.7.0	Rel-5	F	CR	Revised from 288	AGREED
N1-040496	Clarification of UE behaviour at network initiated GPRS Detach	Ericsson LM	24.008	849	2	TEI6	6.3.0	Rel-6	F	CR	Revised from 347 and 455	AGREED
N1-040497	Handling of key sets	Ericsson	24.008	846	2	TEI5	5.10.0	Rel-5	F	CR	Revised from 316	AGREED
N1-040498	Handling of key sets	Ericsson	24.008	847	2	TEI5	6.3.0	Rel-6	A	CR	Revised from 317	AGREED
N1-040499	P-CSCF integrity protection	Lucent Technologies / Keith Drage	24.229	498	5	IMS-CCR	5.7.0	Rel-5	F	CR	Revised from 314 and 474	AGREED
N1-040500	P-CSCF integrity protection	Lucent Technologies / Keith Drage	24.229	499	5	IMS-CCR	6.1.0	Rel-6	A	CR	Revised from 315 and 475	AGREED
N1-040501	LS on Re-authentication and key set change during inter-system handover	Robert Z. /Siemens								LS OUT	Related to 435. To: RAN2, RAN3, SA3, Cc: , Revised from 437.	AGREED
N1-040502	WID: Revised IMS2 Work Item	Lucent T.				IMS2				WID	Revised from 493	AGREED

Annex E Liaison Statements OUT (13)

Meeting	Type	TDoc #	Status	Source	Tdoc Title	WI	Rel	Comments
N1-33	LS OUT	N1-040374	AGREED	Christian H./ Ericsson	Reply to LS on Implementation of T200 timer			Reply to 212. To: GERAN3, Cc: GERAN,
N1-33	LS OUT	N1-040375	AGREED	Robert Z./Siemens	Reply to LS on PDP context to SAPI mapping			Reply to N1-040217. Revised from 294. To: SA2, Cc: GERAN2,
N1-33	LS OUT	N1-040378	AGREED	Andrew H./ Motorola	LS on Clarification of optional TMSI Status IE in Attach Request and Routing Area Update Request Messages			Reply to 350. To: T1, Cc:
N1-33	LS OUT	N1-040379	AGREED	Peter D./ Vodafone	Reply LS on completion of the call set-up delay reduction feature			Reply to 351. To: GERAN2, Cc: RAN2,
N1-33	LS OUT	N1-040380	AGREED	Atle M./ Ericsson	Reply LS on emergency call enhancements for IP & PS based calls			Reply to 365. To: T3, Cc: SA1,
N1-33	LS OUT	N1-040441	AGREED	Hannu H. /Nokia	LS on HPLMNAcT field			Related to 242. To: T1, Cc: T3,
N1-33	LS OUT	N1-040444	AGREED	Hannu H./ Nokia	LS on background scan requirements			Related to 386 and 387. Revised from 432. To: CN, Cc: SA,
N1-33	LS OUT	N1-040462	AGREED	Georg M. /Nokia	LS on “P-CSCF gets informed about signalling IP-CAN bearer was released”			Related to 345. To: SA2, CN3, Cc:
N1-33	LS OUT	N1-040469	AGREED	Keith D./ Lucent	LS on “IMS messaging, Group management and Presence work overlap between 3GPP and OMA			Reply to 134. To: SA, CN, Cc: . Revised from 373
N1-33	LS OUT	N1-040470	AGREED	Andrew H./ Motorola	LS on Permissibility of Separate RRC Connections for Sequential CS and PS Registration			Reply to 348. To: T1, RAN2, Cc: , Revised from 376
N1-33	LS OUT	N1-040471	AGREED	Keith D./ Lucent	LS on Technical Report on Mobility between H.323 Multimedia Systems and GPRS/IMT2000 Networks			Reply to 349. To: CN, SA, Cc: , Revised from 377.
N1-33	LS OUT	N1-040484	AGREED	Sonia G. /Nortel	LS on the availability of charging information			Related to 395. To: SA2, Cc: CN3, SA5, Revised from

								450
N1-33	LS OUT	N1-040501	AGREED	Robert Z. /Siemens	LS on Re-authentication and key set change during inter-system handover			Related to 435. To: RAN2, RAN3, SA3, Cc: , Revised from 437.

Annex F Agreed Work Items (1)

Status	TDoc #	Source	Tdoc Title	Type	WI
AGREED	N1-040502	Lucent T.	WID: Revised IMS2 Work Item	WID	IMS2

Annex G Agreed specifications (TS or TR)

None.

Annex H List of CRs to N1 drafts (32)

Status	Spec	TDoc #	Tdoc Title	C_Version	Type	WI	Rel
AGREED	24.234	N1-040447	Usage of leading digits in IMSI based permanent username	1.1.0	CR	WLAN	Rel-6
AGREED	24.234	N1-040448	Update of Parameters coding clause	1.1.0	CR	WLAN	Rel-6
AGREED	24.234	N1-040452	WLAN PLMN Selection clean-up and update	1.1.0	CR	WLAN	Rel-6
AGREED	24.234	N1-040477	EAP Method policies	1.1.0	CR	WLAN	Rel-6
AGREED	24.234	N1-040489	Optimization of Network selection procedures	1.1.0	CR	WLAN	Rel-6
AGREED	24.234	N1-040490	Update of WLAN protocols	1.1.0	CR	WLAN	Rel-6
AGREED	24.234	N1-040491	Update of Definitions clause	1.1.0	CR	WLAN	Rel-6
AGREED	24.234	N1-040492	I-WLAN Network Selection clean-up and update	1.1.0	CR	WLAN	Rel-6
AGREED	24.247	N1-040261	Update of Scope	0.3.1	CR	IMS2	Rel-6
AGREED	24.247	N1-040262	Correction of flows	0.3.1	CR	IMS2	Rel-6
AGREED	24.247	N1-040280	CR to 24.247: Editorial changes	0.3.1	CR	IMS2	Rel-6
AGREED	24.247	N1-040306	Corrections to Annex A.4.3	0.3.1	CR	IMS2	Rel-6
AGREED	24.247	N1-040307	Corrections to Annex B	0.3.1	CR	IMS2	Rel-6
AGREED	24.247	N1-040426	SDP for session based messaging	0.3.1	CR	IMS2	Rel-6
AGREED	24.247	N1-040429	Corrections to Annex A.1 - A.4.2	0.3.1	CR	IMS2	Rel-6
AGREED	24.247	N1-040486	Definition of MSRP role for AS and MRFP	0.3.1	CR	IMS2	Rel-6
AGREED	24.247	N1-040488	Session-based Messaging with Intermediate Node Flow A.4.4	0.3.1	CR	IMS2	Rel-6
AGREED	24.841	N1-040278	CR to 24.841: PIDF alignment	1.3.0	CR	PRESNC	Rel-6
AGREED	24.841	N1-040323	On behalf of flow update	1.3.0	CR	PRESNC	Rel-6

AGREED	24.841	N1-040416	CR to 24.841: Editorial changes	1.3.0	CR	PRESNC	Rel-6
AGREED	24.841	N1-040417	Procedures update	1.3.0	CR	PRESNC	Rel-6
AGREED	24.841	N1-040418	Flow update	1.3.0	CR	PRESNC	Rel-6
AGREED	24.841	N1-040476	Partial Publishing	1.3.0	CR	PRESNC	Rel-6
AGREED	24.841	N1-040485	PSI subdomain based routing	1.3.0	CR	PRESNC	Rel-6
AGREED	24.847	N1-040423	TR 24.847: PSI Routing Update	1.2.0	CR	IMS2	Rel-6
AGREED	24.847	N1-040424	TR 24.847: Introduction of Referred-By header (Flows)	1.2.0	CR	IMS2	Rel-6
AGREED	24.847	N1-040425	TR 24.847: PSI Routing Scenarios Overview	1.2.0	CR	IMS2	Rel-6
AGREED	29.846	N1-040421	CR to TR 29.846: Reuse of the PDP Context Deactivation for the MBMS Multicast Service Deactivation	1.1.0	CR	MBMS	Rel-6
AGREED	29.846	N1-040422	Agreed working assumptions on MBMS SM protocol	1.1.0	CR	MBMS	Rel-6
AGREED	29.846	N1-040467	MBMS Service Request Proposal	1.1.0	CR	MBMS	Rel-6
AGREED	29.846	N1-040473	Including TMGI in the MBMS message	1.1.0	CR	MBMS	Rel-6
AGREED	29.847	N1-040260	Correction in functional entities	1.2.0	CR	IMS2	Rel-6