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Meeting Report

TSG CN WG1# 32bis
Sophia Antipolis, France
26th - 29th January 2004

Chairman: Hannu Hietalahti (Nokia)

Secretary: Per Johan Jorgensen (ETSI/MCC)

Host: ETSI

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Documents can be found on the 3GPP-server:

http://www.3gpp.org/ftp/tsg_cn/WG1_mm-cc-sm/TSGN1_32bis/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

N1-040001 : CN1 chairman, **Title**: Agenda SophiaAntipolis0401

Discussion : This will continue as a living document in the doc SophiaAntipolis0401. A proposal how to manage the execution of all the documents during the meeting was done by the chairman, and not objected to by the delegates.

Conclusion : Agreed

N1-040002 : MCC, **Title**: DRAFT MEETING REPORT, 3GPP TSG-CN#22

Discussion : For information and reference only.

Conclusion : Noted

N1-040003 : MCC, **Title**: Draft Report for TSG SA meeting #22

Discussion : For information and reference only.

Conclusion : Noted

3 Input Liaison Statements

N1-040006 : EM05td018r1 from OCG EMTEL, **To:** ETSI TB TISPAN, SA, SA2, **Cc:** CN, CN1, CN4, **Type**: LS IN, **Title**: Liaison Statement reply to 3GPP SA2 on Comments on ETSI SR 002 180 V0.3.2

Discussion : OGC EMTEL acknowledge 3GPP SA2 reply on emergency call positioning requirements:
- OGC EMTEL leave it up to ETSI TISPAN and 3GPP to discuss the architecture for emergency call positioning.
- There is no European requirement for TTY emergency call device support.
- The requirements for further enhancements such as priority SMS or virtually real-time MMS are being studied.
No immediate CN1 action until SA2 study is completed.

Conclusion: Noted

N1-040007 : GP-032818 from GERAN2, **To:** SA2, **Cc:** RAN2, CN1, **Type**: LS IN, **Title**: Further questions on Service Id needs in the Access Network

Discussion : GERAN2 reply to SA2 on service IDs for MBMS. The service ID must be as compact as possible to use AN resources efficiently, yet it must be unique within the PLMN to avoid conflicts. No precise format has been agreed yet. N1-040007, N1-040022 and N1-040104 are on the same topic.

Conclusion: Noted

N1-040008 : N4-031387, **To:** SA5, **Cc:** CN1, CN2, **Type**: LS IN, **Title**: LS Reply on "Trace Management"

Discussion : CN4 answers SA5 questions on trace management and asks for availability of TS 32.422 and if CN2 would need to be involved due to tracing of CAP.

Conclusion: Noted

N1-040009 : N3-030811, **To:** CN1, **Cc:** , **Type**: LS IN, **Title**: LS on SBLP handling of Session modification without adding or removing media lines

Discussion : Bi-directional media flow can be made unidirectional in SDP level either due to hold or permanent modification to unidirectional. CN3 see that the behaviour should be different and in case of permanent modification also PDP context should be modified. Should the (network initiated) PDP context modification be done if media stream becomes unidirectional? How would the network know the difference between hold and "permanent" modification? Should the media component on hold be made 'inactive'? What about RFC 3264, clause 8.4, putting media stream on hold? The view in CN1 is that the network has no role in this end to end agreement on not using the media. Either a joint session in CN1#33 with CN3 or an answer is needed towards CN3. Is another proposal available than the one from CN3? The reason seems to be due to SBLP and then a new authentication seems unnecessary, just close the gate.

Conclusion: LS OUT in 136 by Duncan / Vodafone

N1-040010 : N4-031289, **To:** SA3, **Cc:** CN1, GERAN2, T2, **Type**: LS IN, **Title**: LS on Special-RAND mechanism

Discussion : CN4 did not like the proposal to dig into the lower layers of MAP messaging to find out the VPLMN identity at HLR/AuC. Even though technically feasible, they would not prefer to mandate this but instead add a new parameter to SendAuthenticationInfo request message.

Conclusion: Noted

N1-040011 : N5-030665, **To:** CN, SA2, **Cc:** SA1, CN1, **Type**: LS IN, **Title**: Request for clarification on the scope of the Ut interface towards the OSA-SCS

Discussion : CN5 want to know if other CNgroups or SA2 are expected to do any work for them at the Ut interface. The answer from SA2 in N1-040027 indicates no need for work.

Conclusion: Noted

N1-040012 : OMA-0676R02, **To:** SA, **Cc:** SA1, SA2, CN1, CN3, CN4, OMA PAG WG, **Type**: LS IN, **Title**: Reply LS to 3GPP on principles for overlapping issues with OMA regarding PoC

Discussion : Related with PoC work, OMA proposes the following:
- OMA presence and availability group (PAG) and 3GPP should work together for harmonised presence solution.
- 3GPP should inform OMA on conferencing and its suitability to PoC needs.
- The LS contains OMA PoC documentation for presentation at the next 3GPP meeting.
- As suggested in 3GPP CN LS, CN is the contact point on IMS protocols towards IETF.

OMA also acknowledges the 3GPP proposal that all 3GPP enhancements that may be needed for OMA service enablers are treated in the normal 3GPP workflow. Do the attached documents require any new 3GPP work items? If CN1 do any work related to PoC it should be regarded as a new work. Conferencing work could be informed by referring to the TR, but the applicability to PoC has not been studied since PoC is not part of CN1 work items. Except from responding the work made so far in CN1 on Presence and Conferencing specs, there is no need to for CN1 to do anything but let SA2 handle the final answers to OMA.

Conclusion: Noted

N1-040013 : R2-032692, **To:** SA2, RAN3, **Cc:** CN1, **Type**: LS IN, **Title**: Reply **To:** LS Response on a new question about RAN assumption

Discussion : RAN2 asks SA2 about MBMS SESSION START message handling. Is it meaningful to be sent to only selected RNC's or does SGSN send it to all RNC's across Iu? See also LS in 014, 017 and 107.

Conclusion: Noted

N1-040014 : R2-032707, **To:** SA2, **Cc:** RAN3, CN1, **Type**: LS IN, **Title**: Response LS on "Handling of MBMS UEs in RRC-connected, PMM-IDLE state"

Discussion : They are concerned that the mechanism chosen by SA2 for SGSN to inform RNCs of the UEs that have joined MBMS service is not feasible due to required high number of UE identities that the RNC would have to store. N1-040013 and N1-040017 are RANx replies to N1-040020 from SA2 who then continue in N1-040107.

Conclusion: Noted

N1-040015 : S2-033803, **To:** SA3, **Cc:** SA1, CN1, **Type**: LS IN, **Title**: Reply LS on "The requirement and feasibility of IMS watcher authentication"

Discussion : SA2 leaves it up to SA3 to decide whether any additional security mechanism would be needed for IMS based watchers. The presence server must be able to authenticate non-IMS watchers but the mechanism will be up to SA3 to define. N1-040015 and N1-040018 are replies to the same S3 LS.

Conclusion: Noted

N1-040016 : R3-031868, **To:** SA2, **Cc:** RAN2, CN1, **Type**: LS IN, **Title**: LS Response on new questions about RAN assumption

Discussion : RAN3 responds to SA2 on UE link, session attributes via Iu interface and duration of MBMS session.

Conclusion: Noted

N1-040017 : R3-031874, **To:** RAN2, SA2, CN1, **Cc:** , **Type**: LS IN, **Title**: Answer LS on Handling of MBMS UEs in RRC-connected, PMM-IDLE state

Discussion : RAN3 reply to CN1 LS N1-031606 (R3-031500). N1-040013 and N1-040014 are also RANx replies to N1-040020 from SA2, who then continue in N1-040107. The LS discusses the UE joining the MBMS services. There is still some open issues between RAN2, RAN3 and SA3 on the Uu and Iu interface procedures, but the CN1 part is the transition of the UE from PMM-Idle to PMM-Connected. Enhanced service request procedure is still seen as a possible way to signal this across the radio interface.

Conclusion: Noted

N1-040018 : S1-031210, **To:** SA3, **Cc:** SA2, CN1, **Type**: LS IN, **Title**: Reply on the requirement and feasibility of IMS watcher authentication

Discussion : SA1 does not add any service requirements to authentication of watchers. N1-040015 and N1-040018 reply to the same S3 LS.

Conclusion: Noted

N1-040019 : S2-033793, **To:** CN4, **Cc:** CN1, **Type**: LS IN, **Title**: LS to CN4 on IETF work on RADIUS enhancements

Discussion : SA2 inform CN4 that draft-adrangi-radius-extension-for-pwlan-00.txt has been submitted to define RADIUS extensions for WLAN.

Conclusion: Noted

N1-040020 : S2-033782, **To:** RAN2, RAN3, **Cc:** CN1, **Type**: LS IN, **Title**: Response LS on "Handling of MBMS UEs in RRC-connected, PMM-IDLE state"

Discussion : Questions on procedures to join MBMS session. N1-040014 and N1-040017 are RANx replies to N1-040020 from SA2 who then continue in N1-040107.

Conclusion: Noted

N1-040021 : S2-033783, **To:** RAN3, **Cc:** RAN2, CN1, **Type**: LS IN, **Title**: LS Response on a new question about RAN assumption

Discussion : SA2 comments to RAN3 on UE link, registration procedure, session attributes and duration of MBMS session.

Conclusion: Noted

N1-040022 : S2-033785, **To:** RAN2, GERAN2, CN1, **Cc:** , **Type**: LS IN, **Title**: Further questions on Service Id needs in the Access

Discussion : TMGI for MBMS services needs to be unique within the service area, which in practice makes it globally unique. HPLMN MCC+MNC could be used to reuse the whole range in each PLMN. There is a question to CN1 on mapping of short identifiers for paging onto P-TMSI space. N1-040007, N1-040022, N1-040104 are on the same topic. A view from other WGs having seen the proposal is that the coding should be as small as possible, which CN1 agrees and is thinking of something in the range 4-7 octets. Further that MCC+MNC needs to be included for roaming purpose. What range are available in P-TMSI? The auxiliary space seems not used now, due to earlier intention for anonymous access. Using the 3-4 octet TMGI within HPLMN and extending this with MCC+MNC when roaming seems feasible.

Conclusion: LS OUT in 135 by Andrew H. / Motorola

N1-040023 : S2-033792, **To:** CN1, **Cc:** CN4, **Type**: LS IN, **Title**: LS to CN1 on IETF work for WLAN network selection

Discussion : SA2 informs CN1 about IETF draft on EAP based network discovery and selection draft-adrangi-eap-network-discovery-and-selection-00.txt.

Conclusion: Noted

N1-040024 : S2-033804, **To:** SA3, **Cc:** CN1, **Type**: LS IN, **Title**: Response for Introducing the Privacy Mechanism in Stage 2

Discussion : SA2 propose that SA3 should revise their 33.203 CR on privacy extension. CN1 is not the one to make the stage 2, but for stage 3 the similar work is already done and it was questioned for clarification.

Conclusion: Noted

N1-040025 : S2-033807, **To:** RAN3, **Cc:** RAN2, CN1, **Type**: LS IN, **Title**: Response LS on "Nature of SIP Signalling"

Discussion : SA2 add their part to an old discussion on the nature of SIP signalling. They agree our position that the size of SIP messages varies a lot and can not be used to distinguish high priority messages or different traffic class messages. SA2 don't see any other criteria than the already defined QoS.

Conclusion: Noted

N1-040026 : S2-033809, **To:** GERAN, **Cc:** RAN2, CN1, SA1, **Type**: LS IN, **Title**: Reply LS on "Reply LS on Network Sharing in GERAN"

Discussion : SA2 clarify the cell reselection performance requirements to GERAN. Extending the time needed for cell reselection is acceptable as long as it does not cause noticeable degradation of service to the user. After studying the matter further, it is also acceptable to require that the PLMNs sharing common access network must have indicated the same NMO.

Conclusion: Noted

N1-040027 : S2-034363, **To:** CN5, CN, **Cc:** SA1, CN1, **Type**: LS IN, **Title**: Reply LS to CN5 on Request for clarification on the scope of the Ut interface towards the OSA-SCS

Discussion : SA2 see no requirement for OSA API to support Ut interface.

Conclusion: Noted

N1-040028 : S2-034371, **To:** SA5, RAN3, **Cc:** CN1, **Type**: LS IN, **Title**: Reply to LS on Explicit Data Volume Reporting in RNC

Discussion : SA2 is currently investigating the need for the Volume Reporting in the SGSN and the GGSN. There may be need for using the Explicit Data Volume Reporting method and SA2 is not planning to make any changes in this area to TS 23.060. This LS replies SA5 question in N1-040031.

Conclusion: Noted

N1-040029 : S2-034376, **To:** GERAN2, RAN2, RAN3, CN1, **Cc:** SA1, **Type**: LS IN, **Title**: LS on paging coordination for MBMS and other services

Discussion : RAN2, RAN3, GERAN2 and CN1 are requested to review and comment the attached draft CR on TS 22.146. N1-040029 and N1-040102 are on the same topic. Any opinions on notifying MBMS service during ongoing calls or sessions? More details is needed before a clear view is made, but this could also be discussed in CN1#33.

Conclusion: LS OUT in 161 by Robert Z. / Siemens

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.

Conclusion: Forwarded to CN1#33

N1-040031 : S5-034764, **To:** SA2, RAN3, **Cc:** CN1, **Type**: LS IN, **Title**: LS on Explicit Data Volume Reporting in RNC

Discussion : SA5 requests that SA2 removes data volume reporting. SA2 reply to this in N1-040028.

Conclusion: Noted

N1-040032 : T3-030932, **To:** SA2, CN1, **Cc:** , **Type**: LS IN, **Title**: LS on the harmonization of ISIM for 3GPP2

Discussion : T3 are studying the 3GPP and 3GPP2 IMS harmonisation and ask if there is any need in 3GPP to store the P-CSCF address on ISIM. N1-030110 from SA2 answers N1-030032 from T3.

Conclusion: Noted

N1-040033 : T3-031016, **To:** SA2, CN1, **Cc:** SA1, **Type**: LS IN, **Title**: LS on Parameters and files for WLAN interworking

Discussion : T3 are studying WLAN USIM requirements as ask CN1 to indicate which protocol related fields need to be added. Candidate fields: Permanent user identity, Pseudonym list, Re-authentication identity list, Last registered WLAN based on SSID, Preferred WLAN PLMN identities.
Additionally to this CN1 see the following fields and files to be included: Preferred WLAN identities, Pseudonym list (but instead of the whole list it could be the last one), Re-authentication list for power off/power on situations stored or not on USIM or ME memory?? (SA3 to decide), ... Proposed that since T3 is meeting later and something may be decided in this or CN1#33 meeting, a response could be delayed until more is known. The discussion later in this meeting decided that an LS could be sent now.

Conclusion: LS OUT in 162 by Inma C. / Nokia

N1-040102 : R2-040329, **To:** SA2, **Cc:** SA1, GERAN2, RAN3, CN1, **Type**: LS IN, **Title**: LS on paging coordination for MBMS and other services

Discussion : RAN2 answer to SA2 LS that SA2 have put too much details in their 23.060 paging coordination CR and that there are already conflicts with RAN procedure stage 3. N1-040029 and N1-040102 are on the same topic.

Conclusion: Noted

N1-040103 : R2-040354, **To:** SA2, SA4, **Cc:** CN1, RAN3, **Type**: LS IN, **Title**: Reply LS on Optimisation of Voice over IMS

Discussion : RAN2 asks from SA2 several questions on VoIMS in QoS, IPSec, RTP and RTCP and multiplexing area.

Conclusion: Noted

N1-040104 : R2-040355, **To:** SA2, **Cc:** GERAN2, CN1, **Type**: LS IN, **Title**: Reply LS on Further questions on Service Id needs in the Access

Discussion : RAN2 agrees with SA2 that the MBMS service ID should be unique, but as short as possible. N1-040007, N1-040022 and N1-040104 are on the same topic.

Conclusion: Noted

N1-040105 : R3-040164, **To:** SA2, **Cc:** RAN2, CN1, **Type**: LS IN, **Title**: LS on Revised proposal on Handling of RRC connected PMM Idle users

Discussion : RAN3 propose that instead of full service list of MBMS UEs joining services, the SGSN could prompt the RNC to make a connectionless query back to SGSN to obtain the full list. SA2 is asked to review the proposal. RAN3 has detected following mistake in this LS: Instead of referring to our earlier LS on this topic, "S2-040015/R3-031874 'Answer LS on Handling of MBMS UEs in RRC-connected, PMM-IDLE state' we accidentally referred to "S2-040013/R3-031826 "LS on NAS/AS issue for Shared Network in connected mode.

Conclusion: Noted

N1-040106 : R3-040181, **To:** SA2, **Cc:** CN1, RAN2, **Type**: LS IN, **Title**: LS on 'RNC-based filtering and RA-based filtering options for MBMS'.

Discussion : Proposal to limit the MBMS signalling within the network by filtering. RAN3 is asking SA2 to review the proposal.

Conclusion: Noted

N1-040107 : S2-040053, **To:** RAN2, RAN3, **Cc:** CN1, **Type**: LS IN, **Title**: Response LS on handling of PMM-IDLE mode UE in CS call

Discussion : Based on the LSs from SA1, RAN2, RAN3 and SA3, SA2 retained the SA1 proposal (Uu method initially proposed by RAN2 group). N1-040013, N1-040014 and N1-040017 are RANx replies to N1-040020 from SA2 who then continued in this N1-040107.

Conclusion: Noted

N1-040108 : S2-040439, **To:** CN1, **Cc:** , **Type**: LS IN, **Title**: LS on the SIP NOTIFY message carrying the reason for deregistration

Discussion : SA2 have required in 23.228 that when S-CSCF finds out about network initiated de-registration, then it shall inform the P-CSCF and the UE of the reason. They ask if NOTIFY could carry this cause code. Related CR to this meeting? No, and the discrepancy is still there between stage 2 and 3, since 23.228 requires the cause of de-registration to be delivered to UE,- but there is no procedure to do so at the radio interface. To be solved for this Rel-5 problem (but stated as a Rel-6 LS on the cover page) in CN1#33? But the IETF document does not have all the granularity needed for this requested cause mapping, and to modify that was not recommended. Registration state event package does not support free format text which would be required to fully support the requirement. Some reason codes have been mapped to existing state events, but the full support would require change in IETF. Any IETF extension to registration state event package would not be practical for the sake of time, even for Rel-6, and it was questioned if this requirement is important enough. The benefit of the mechanism was seen small. CN1 could state the problems and leave it to SA2 to decide. CN1 should state that the network in this case informs the UE in what to do. The crucial information on whether the UE should or should not re-register can already be carried in the existing message format. The Diameter causes from Cx interface, which could be useful, is not required mapped in S-CSCF.

Conclusion: LS out in 137 by Keith D. / Lucent

N1-040109 : S2-040461, **To:** CN1, **Cc:** , **Type**: LS IN, **Title**: Reply LS on WLAN requirements

Discussion : We have sent an LS to SA2 asking them to clarify the WLAN requirements and they give the following answers:
- SA2 requests that we use the term I-WLAN since the procedures we are defining aim at choosing a WLAN access point which interworks with 3GPP PLMN.
- Broadcast of the available PLMNs in SSID is not mandatory (but the EAP procedure for network advertisement is).
- The question on common I-WLAN SSID can not be answered at this point and SA2 are waiting for GSMA guidance on this issue.

N1-040109 and N1-040130 are on the same topic. N1-040061, N1-040062, N1-040094 are related with these decisions.

Conclusion: Noted

N1-040110 : S2-040469, **To:** T3, **Cc:** 3GPP2 TSG-C, CN1, **Type**: LS IN, **Title**: Reply LS on the harmonization of ISIM for 3GPP2

Discussion : SA2 replies to T3 question on harmonising of the ISIM fields between 3GPP and 3GPP2. SA2 say that there is no intention to add the P-CSCF address on the ISIM and that storing IP addresses in ISIM is generally not a very good idea. They also confirm that IMS uses IPv6. N1-030110 from SA2 answers N1-030032 from T3.

Conclusion: Noted

N1-040111 : S5-044042, **To:** SA2, RAN3, **Cc:** CN1, **Type**: LS IN, **Title**: Reply to LS on Explicit Data Volume Reporting in RNC

Discussion : SA5 would like to be kept up to date with the ongoing study on explicit data volume reporting in RNC.

Conclusion: Noted

N1-040128 : S1-040133, **To:** CN1, **Cc:** SA2, **Type**: LS IN, **Title**: Reply LS on emergency calls

Discussion : As a reply to N1-030944, SA1 say that they have changed the rules for detecting emergency numbers in the UE. The latest version of 22.101 including the changes is attached.

Conclusion: Noted

N1-040129 : S1-040136, **To:** CN1, T3, **Cc:** SA2, **Type**: LS IN, **Title**: LS on emergency call enhancements for IP & PS based calls

Discussion : SA1 reply to N1-031220 on PS domain emergency calls. They say that EFecc could be used for both CS and PS domains. SA1 consider a well known emergency URI useful but suspect this may not be up to IETF but e.g. ITU to standardise. SA1 advices us that since this emergency SIP URI does not exist at the moment we should not wait for it in Rel-6 time frame. As an interim solution a tel-URI could be derived from the contents of EFecc. The emergency list should include the defaults. It was also questioned in CN1 that ITU would be responsible, since it could be a national matter and because IETF has made the earlier well known URIs. A CR will be available when SA2 stage 2 is updated if not already done/existing. Contributions were invited since CN1 specifications was thought impacted on 24.229.

Conclusion: Noted

N1-040130 : S1-040163, **To:** CN1, SA2 **Cc:** T3, **Type**: LS IN, **Title**: Response to CN1 LS on WLAN requirements

Discussion : SA1 agree with SA2 on the usage of the term I-WLAN. They also confirm the requirement on both manual and automatic WLAN selection. Also earlier version of UICCs need to be supported. N1-040109 and N1-040130 are on the same topic. N1-040061, N1-040062 and N1-040094 are related with these decisions.

Conclusion: Noted

N1-040131 : S1-040182, **To:** SA2, GERAN2, RAN2, RAN3,CN1, **Cc:** , **Type**: LS IN, **Title**: Reply LS on paging co-ordination for MBMS and other services

Discussion : No CN1 action. SA1 have added new requirement to 22.146 that it must be possible for the UE to receive notification of MBMS session even during CS or PS data transmission.

Conclusion: Noted

N1-040132 : S1-040201, **To:** CN1, **Cc:** GERAN, RAN2, RAN, **Type**: LS IN, **Title**: LS on Network Selection

Discussion : SA1 have made a change to 22.101 requiring that background scan shall not cause toggling between two access networks of the same PLMN. But they leave it up to CN1 to define a procedure that fulfils this requirement. No CR to this meeting, so is this LS forwarded to Atlanta? No since a CR is expected for CN1#33 anyway from O2 and Motorola. The proposal in the LS is to make it only a Rel-6 change and not do anything back to R99, which had support in CN1. It was agreed that the topic was related to the same discussion held in CN1#32 based on a GERAN LS, where the outcome is still open. It was stated that there is already some history in documenting new requirements in the latest release which is not yet frozen but with the understanding that it will be possible to support the new behaviour already in earlier releases. The ping-pong effect was probably not considered a frequently misbehaviour that merits a R99 CR for UEs that has already been taken to the market.

Conclusion: Noted

N1-040133 : S1-040208, **To:** 3GPP2 TSG-C, SA2, CN1, GERAN1, RAN2, **Cc:** , **Type**: LS IN, **Title**: Preferred Roaming List for 3GPP2 Multi-mode Terminal

Discussion : SA1 have received an LS from 3GPP2 on PLMN selection of multi mode terminals. They request SA2, RAN2, GERAN2 and CN1 help in defining the PLMN selection requirements of multi mode terminal. The attached document from 3GPP2 seems to leave some technical questions open:
- If the list is operator configurable only, with no possibility for user intervention, then it will in some cases waste the user's time by scanning systems which do not exist in the whole country.
- What are SIDs and NIDs, do we have those in 3GPP?
- Up to now there is no standardised mechanism for barring access to the whole system, e.g. 3GPP systems even if the UE would support it. Is this really needed?
- What is meant by specifying "roaming display behaviour"? 3GPP specifications define several mandatory requirements for GSM and UMTS UEs and these can't be changed outside 3GPP specifications.
- How could the acquisition table override the standardised RF frequency ranges of already known systems and frequency bands?
- It does not sound useful to store the radio configuration in terms of available systems and frequencies within USIM. How are the network services (SS, PS domain connections, IMS, etc) which have been activated for the user going to be kept up to date between the systems when the UE changes from GSM to CDMA due to background scan of higher priority systems? CN1 reply is needed, but depending of urgency do we treat it in CN1#32bis or forward it to Atlanta? The LS is basically a request to align procedures on PLMN selection, frequency, cell selection, scanning, subscription etc., and this is also if possible relevant for WLAN access by single mode mobiles belonging to the other system, 3GPP or 3GPP2. CN1 decided that:

1. It is up to 3GPP2 to define how 3GPP2 system behaves, but similarly, as soon as the multi mode UE enters 3GPP system, the behaviour must be specified in 3GPP specifications (22.011, 23.122, 24.008)

2. It was not seen feasible to move parts of the 3GPP PLMN selection or cell (re-) selection procedures to 3GPP2 specifications.

3. It was noted that this discussion on PLMN selection applies to WLAN access too.

4. Any possible background scan of 3GPP2 system can not cause violations to existing 3GPP protocol requirements (in particular in cell selection and PLMN selection area)

5. CN1 understands that 3GPP2 would probably have similar view on not letting 3GPP the control of their specifications.

6. Any specification of system selection between 3GPP and 3GPP2 should be left in system selection level and should not cover the radio frequencies that are scanned.

7. The service continuity at system change is problematic (SS, PS domain connections, IMS, etc).

8. The selection (of system) should be on higher level, as the acquisition table can not override the standardised RF frequency ranges of already known systems and frequency bands.

Conclusion: LS OUT in 138 by Andrew H. / Motorola

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.

Conclusion: Forwarded to CN1#33

4 TSG CN WG1 Work Plan

N1-040004 : MCC, **Type**: LIST, **Title**: CN1 specification responsibility list after plenary#22

Discussion : Who is MBMS rapporteur to have an updated spec in time. Christian. H / Ericsson takes the temporary job until a permanent solution is found.

Conclusion : Noted

N1-040005 : MCC, **Type**: WORKPLAN, **Title**: Latest workplan for review

Discussion : Delegates are asked to review this and be prepared to update realistically for the CN1#33 meeting

Conclusion : Noted

5 Joint sessions

Void

6 Corrections to old releases

Void

7 Release 5

Void

8 Release 6 work items

8.1 Draft IMS specifications and other documents for information

N1-040034 : Lucent T., **Type**: INFORMATION, **Title**: Summary of current IETF documents on SIPING

Discussion : Short summary was given.

Conclusion : Noted

N1-040035 : Lucent T., **Type**: INFORMATION, **Title**: Summary of current IETF documents on SIP

Discussion : Short summary was given.

Conclusion : Noted

N1-040036 : Lucent T., **Type**: INFORMATION, **Title**: Summary of current IETF documents on MMUSIC

Discussion : Not much had happened.

Conclusion : Noted

N1-040037 : Lucent T., **Type**: INFORMATION, **Title**: Summary of current IETF documents on SIMPLE

Discussion : Nothing new.

Conclusion : Noted

N1-040038 : TR 24.841v120 Lucent T., **Type**: TR, **Title**: Draft 3GPP TR 24.841 "Presence based on SIP; Functional models, information flows and protocol details"

Discussion : Last meetings changes are incorporated.

Conclusion : Noted

N1-040039 : 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 meetings changes are incorporated.

Conclusion : Noted

N1-040040 : Lucent T., **Type**: INFORMATION, **Title**: Presence WID open issues list

Discussion : Estimated 2/3 of the way completed on open issues since the start. Proposed to have a conference to check out the state now and speed up the remaining issues for work sharing. If possible it can be done during this meeting. In the end of the meeting it became clear that Keith D. /Lucent will have to arrange for a conference call to review this list.

Conclusion : Noted

N1-040041 : Lucent T., **Type**: INFORMATION, **Title**: Summary of current IETF documents on XCON

Discussion : Mostly requirement documents are evolving.

Conclusion : Noted

8.2 Presence

N1-040042 : TR 24.841v120, Lucent T., **Type**: CR, **Title**: CR to 24.841: Inclusion of annex A intro clauses

Discussion : In Annex A of 3GPP TR 24.841, a number of the introduction and general clauses have not yet been completed. Further to follow the format adopted elsewhere, sub clause A.6 should be split down in order to allow such a general clause. It is expected that this text will transfer to 3GPP TS 24.141 when the material in 3GPP TR 24.841 is considered stable enough to incorporate in other specifications.

Hiding was requested as not proper part of this CR, but it is still in Rel-5 and no request to delete it in SA2 either. In this CR hiding shall only refer back to the flows in 24.228 and that hiding has no requirements due to presence. Changes to the paragraph headings and introduction will be worked on.

Conclusion : Revised to 183

N1-040183 : TR 24.841v120, Lucent T., **Type**: CR, **Title**: CR to 24.841: Inclusion of annex A intro clauses

Discussion :

Conclusion : Agreed

N1-040043 : TR 24.841v120, Lucent T., **Type**: CR, **Title**: CR to 24.841: Harmonisation of flow content descriptions

Discussion : At the last meeting when CN1 considered the proposal that added the material about P-Access-Network-Info header to a number of documents, there were comments about not repeating description information. The final contents agreed in CN1#32 reflected:
a. at release 5, for each flow only the first inclusion of a header by each entity is described, therefore only the first occurrence of the P-Access-Network header inserted by the UE will have documentation, and not ones in a subsequent request or response.
b. at release 6, where a header is behaving exactly as it would for release 5, no description is included, therefore no description of the P-Access-Network-Info header is included.
This obviously has implications on several further header descriptions in both 24.841 and 29.847, and this contribution proposes appropriate changes to 24.841 annex A in accordance with that decision.

Usage of the From header and Contact header is identical to that of 24.228 and therefore descriptions of that header was removed. It is probably appropriate to retain usage of the Request-URI and To headers because their usage in SUBSCRIBE and PUBLISH requests is different to that in INVITE requests. However in the meeting the clear cut was

again disputed, and a flexibility to keep some headers in certain flows was the new assumption. So in A.2.2 the list of headers are deleted.

Conclusion : Revised to 182

N1-040182 : TR 24.841v120, Lucent T., **Type**: CR, **Title**: CR to 24.841: Harmonisation of flow content descriptions

Discussion :

Conclusion : Agreed

N1-040044 : TR 24.841v120, Lucent T., **Type**: CR, **Title**: CR to 24.841: Alternative option of PSI routeing

Discussion : At the CN1#32 meeting, text was added to 3GPP TR 24.841 Annex A, as a result of N1-031662 specifying the alternative option of PSI routeing. Despite being requested in the meeting, and reflected in the report, the text was not placed at the point that was indicated in these comments. This contribution corrects that error. The reason for this positioning is that the flows themselves should not show alternative options. Any discussion of the number of flows, whether represented or not, should occur in the introductory clauses.

Conclusion : Agreed

N1-040045 : TR 24.841v120, Lucent T., **Type**: CR, **Title**: CR to 24.841: Editorial issues

Discussion : Field code correction.

Conclusion : Agreed

N1-040046 : TR 24.841v120, Lucent T., **Type**: CR, **Title**: CR to 24.841: Correction of PIDF flows

Discussion : The contents of the PIDF within the example signalling flows are defined by the following documents: Presence Information Data Format (PIDF) (draft-ietf-impp-cpim-pidf-08.txt).

Conclusion : Agreed

N1-040047 : TR 24.841v120, Lucent T., **Type**: CR, **Title**: CR to 24.841: media type for PDIF presence document

Discussion : The following information has been circulated on the IETF SIMPLE list: A quick reminder to those working on SIMPLE implementations: draft-ietf-impp-cpim-pidf-08.txt authoritatively defines the media type for the PIDF presence document as application/pidf+xml. This was a change from earlier versions of the document which used "application/cpim-pidf+xml". draft-ietf-simple-presence-10.txt still contains the older type. It will be corrected to reflect the new type name as it goes through the RFC editing process. If you have not already done so, please adjust your implementations to use "application/pidf+xml" now. This contribution makes the appropriate corrections to 24.841.

Conclusion : Agreed

N1-040063 : TR24.841v120, Siemens, **Type**: CR, **Title**: Correction of wording in authorization procedure

Discussion : Wording in sub-clause 8.2 is aligned with wording in sub-clause 9.2.1.2 “Authorization of a request” in conferencing TR 29.847.

In tdoc 073 there is no collision but related. In the last bullet item 200 (OK) needs a 'response' word after it.

Conclusion : Revised to 139

N1-040139 : TR24.841v120, Siemens, **Type**: CR, **Title**: Correction of wording in authorization procedure

Discussion :

Conclusion : Agreed

N1-040064 : TR24.841v120, Siemens, **Type**: CR, **Title**: Correction of layout of Security-Verify header

Discussion : Layout of Security-Verify header in sub-clauses A.3.2.1, A.3.3.1, A.3.3.2, A.4.2.1 and A.4.3.1 is aligned with layout defined in TS 33.203 Annex H.

Conclusion : Agreed

N1-040065 : TR24.841v120, Siemens, **Type**: CR, **Title**: Editorial - Resource List vs. Presence List

Discussion : Some discrepancy on these modifications to align the list names with the IETF names was not agreed in SA2 during a similar discussion. Either align stage 2 and stage 3, or indicate the stage 3 interpretation or mapping that presence list server means resource list server.

Conclusion : Revised to 140

N1-040140 : TR24.841v120, Siemens, **Type**: CR, **Title**: Editorial - Resource List vs. Presence List

Discussion :

Conclusion : Agreed

N1-040072 : TR24.841v120, Nokia, **Type**: CR, **Title**: References update

Discussion : The new references are better introduced in the CRs were they are functionally inserted and the dependency arises. It was also asked whether the updates of references were done just on the references list or have the changes between the new and old version been reviewed. There is also no update to the profile tables for the related CRs. Also verification of the versions need to be done by the reference update CR originator.

Conclusion : Withdrawn

N1-040073 : TR24.841v120, Nokia, **Type**: CR, **Title**: Roles

Discussion : Not presented.

Conclusion : Revised to 141

N1-040141 : TR24.841v120, Nokia, **Type**: CR, **Title**: Roles

Discussion : Support for the "Multipart/Related" content type using the Accept header field. Written towards wrong reference version. Editorial improvements for 'a tuple for every value' and ref. [e].

Conclusion : Revised to 178

N1-040178 : TR24.841v120, Nokia, **Type**: CR, **Title**: Roles

Discussion :

Conclusion : Agreed

N1-040074 : TR24.841v120, Nokia, **Type**: CR, **Title**: Ut interface

Discussion : Not presented.

Conclusion : Revised to 142

N1-040142 : TR24.841v120, Nokia, **Type**: CR, **Title**: Ut interface

Discussion : Protocol for data manipulation at the Ut reference point. Is the Authentication Proxy a functional entity? New entities should be included in the definition clause.

Conclusion : Revised to 179

N1-040179 : TR24.841v120, Nokia, **Type**: CR, **Title**: Ut interface

Discussion :

Conclusion : Agreed

N1-040075 : TR24.841v120, Nokia, **Type**: CR, **Title**: Presence information

Discussion : XML schema goes away. Location was defined as a string and how do we now do that? Use instead the petterson draft when it becomes a workitem, or just is an agreed WI. The whole chapter is intended for 3GPP specific extensions, so this eventual new part needs another home.

Conclusion : Revised to 144

N1-040144 : TR24.841v120, Nokia, **Type**: CR, **Title**: Presence information

Discussion :

Conclusion : Agreed

N1-040076 : TR24.841v120, Nokia, **Type**: CR, **Title**: Other

Discussion : Regarded as an editorial CR. Why is SUBSCRIBE deleted. Because it is in the chapter for input to other than 24.141. And should not PS in chapter 8.1 be changed to AS in that case? And change watcher to user. Instead of request it should then read initial request, and maybe standalone? The figure below needs also to be made generic, as elsewhere for this chapter.

Conclusion : Revised to 145

N1-040145 : TR24.841v120, Nokia, **Type**: CR, **Title**: Other

Discussion : Any alignment with conferencing has not been done with the shifting TR to TS issue. Brackets styles etc. will be corrected by the rapporteur. Reference for the trottling is missing, delete editors note in 8.4, and some more. The trottling was questioned if it was a requirement, and the IETF status on the draft. Stage 2 is not known to be there but instead it was referenced to Stephen Hayes dependency list.

Conclusion : Revised to 186

N1-040186 : TR24.841v120, Nokia, **Type**: CR, **Title**: Other

Discussion : Styles etc. for the rapporteur to correct at implementation.

Conclusion : Agreed

N1-040077 : TR24.841v120, Nokia, **Type**: CR, **Title**: AnnexB

Discussion : Not available.

Conclusion : Revised to 143

N1-040143 : TR24.841v120, Nokia, **Type**: CR, **Title**: AnnexB

Discussion : Annex B: Example signalling flows of HTTP based presence service operation.

What to do with existing annex B? Make this A.7, and add 200 in front of (OK). Is it different rules for dates in SIP and HTTP? Refer to the IETF draft.

Conclusion : Revised to 181

N1-040181 : TR24.841v120, Nokia, **Type**: CR, **Title**: AnnexB

Discussion : A.7.1 should be reserved for introduction and will be handled by the rapporteur at implementation.

Conclusion : Agreed

N1-040078 : TR24.841v120, Nokia, **Type**: CR, **Title**: On behalf of flow

Discussion : This CR presents a new flow. Network based watcher subscribing on behalf of IMS watcher to IMS presentities. What is new here compared to what we already have between network or non network based watcher.

Conclusion : Revised to 146

N1-040146 : TR24.841v120, Nokia, **Type**: CR, **Title**: On behalf of flow

Discussion : The description part of it should be removed by the rapporteur according to the general rules now used in 182. Only the Request URI and event and subscription description remains.

Conclusion : Revised to 187

N1-040187 : TR24.841v120, Nokia, **Type**: CR, **Title**: On behalf of flow

Discussion :

Conclusion : Agreed

8.3 IMS phase2

8.3.1 Local services

None Provided.

8.3.2 Group Management

N1-040098 : TR 29.847v110, Samsung, **Type**: CR, **Title**: Text Proposal for definition of conferencing based on SIP, SDP, and other protocols (for TR 29.847)

Discussion : Not available.

Conclusion : Withdrawn

8.3.3 Conferencing

N1-040049 : TR 29.847v110, Lucent T., **Type**: CR, **Title**: CR to 24.847: Editorial changes to Annex A

Discussion :

Conclusion : Agreed

N1-040050 : TR 29.847v110, Lucent T., **Type**: CR, **Title**: CR to 29.847: Usage and procedures for "isfocus" feature parameter

Discussion : A number of issues exist in 29.847 in relation to the "isfocus" feature parameter. This document seeks to correct those issues.

Deletion of bullet a) and renaming in b) was needed and considered straight forward editorials. Should anything be changed in IETF due to the isfocus tag not being there? The rapporteur will handle related editorial changes.

Conclusion : Agreed

N1-040066 : TR 29.847v110, Siemens, **Type**: CR, **Title**: Tidy-up of SDP usage

Discussion : No problems with these editorials.

Conclusion : Agreed

N1-040071 : TR 29.847v110, Siemens, **Type**: CR, **Title**: Removing another user from a conference (flow)

Discussion : In the last meeting procedures for removing another user from a conference were introduced in TR 29.847. Furthermore, it was decided not to add new call flows to TR 29.847 which does not contain any new information. Instead of this, cross references to similar call flows shall be added including descriptive text. This contribution adds therefore a corresponding cross reference to the call flow subsection for a user requesting the removal of another user from a conference.

More details on the differences between the calls was requested.

Conclusion : Revised to 147

N1-040147 : TR 29.847v110, Siemens, **Type**: CR, **Title**: Removing another user from a conference (flow)

Discussion :

Conclusion : Agreed

N1-040112 : TR 29.847v110, Nokia, **Type**: CR, **Title**: 24.847: Reducing text in flows

Discussion : This document provides a proposal for reducing the text related to flows in the conferencing TR. It is assumed that the reader of the conferencing TR flows is aware of the basic SIP and IMS functionality as e.g. outlined in 24.229 or shown in 24.228. Therefore only the information necessary to understand the conferencing functionality is shown. This allows the reader to find out easily the specific characteristics of IMS conferencing service. If this contribution is seen as the right way forward, it can be revised to change the rest of the flows in the conferencing TR.

This CR is not complete for all flows but shows a way forward, and is based on the discussion on P-access-info from the last meeting. A reason of deleting the text is due to maintenance. A similar contribution from Lucent is available on Presence. Broaden the CR to more flows and off line comments to be included.

Conclusion : Revised to 148

N1-040148 : TR 29.847v110, Nokia, **Type**: CR, **Title**: 24.847: Reducing text in flows

Discussion :

Conclusion : Agreed

N1-040115 : TR 29.847v110, Nokia, **Type**: CR, **Title**: 24.847: Replaces Header for Three-Way Sessions

Discussion :

Conclusion : Not available

N1-040116 : TR 29.847v110, Nokia, **Type**: CR, **Title**: 29.847: Referred-By header for Conferences

Discussion : This document introduces the Referred-By header.

Editors notes should be incorporated in places that fail to introduce this new header. Equal to the From header with respect to e.g. no authentication. Should not be a mandatory header.

Conclusion : Revised to 149

N1-040149 : TR 29.847v110, Nokia, **Type**: CR, **Title**: 29.847: Referred-By header for Conferences

Discussion : The agreed editors note are missing. The flows can be updated with Referred-By header or not.

Conclusion : Revised to 188

N1-040188 : TR 29.847v110, Nokia, **Type**: CR, **Title**: 29.847: Referred-By header for Conferences

Discussion :

Conclusion : Agreed

N1-040117 : TR 29.847v110, Nokia, **Type**: CR, **Title**: 29.847: PSI Routing Update

Discussion :

Conclusion : Not available

N1-040118 : TR 29.847v110, Nokia, **Type**: CR, **Title**: 29.847: Charging for Conferencing

Discussion :

Conclusion : Not available

N1-040119 : TR 29.847v110, Nokia, **Type**: CR, **Title**: 29.847 Flow: MRFC Referring a User to a Conference

Discussion :

Conclusion : Not available

N1-040124 : TR 29.847v110, Lucent T., **Type**: CR, **Title**: CR to 29.847: Alternative option of PSI routeing

Discussion : At the CN1#32 meeting, text was added to 3GPP TR 29.847 Annex A, as a result of N1-031667 specifying the alternative option of PSI routeing. As also commented for Presence, the text was not placed at the correct point. This contribution corrects that error.

Many flows are not updated with PSI in the TR, and later on some moving on the text can be needed.

Conclusion : Agreed

N1-040125 : TR 29.847v110, Siemens, **Type**: CR, **Title**: Conference service overview correction

Discussion : The conference service overview section of TR 29.847 incorrectly states that conferences are only handled by a server within the home network of the conference creator. In fact, the conferencing server must not be located in the home network of the conference creator. Annex A contains signalling flows which already reflects this.

May be internal or external, meaning the deleted text can stay.

Conclusion : Agreed

N1-040126 : TR 29.847v110, Siemens, **Type**: CR, **Title**: Correction of annex A headlines

Discussion : The phrases resp. headlines "User in home network" and "User in different network" are used in annex A of TR 29.847 to differentiate and categorize the example call flows for IMS conferencing. Besides that the phrases bear some potential of misinterpretation, they are not used in a consistent manner throughout the annex. Therefore, this contribution introduces more appropriate headlines and corrects some errors. It is assumed that the phrase "User in home network" refers to the case that the conference is hosted by the MRFC/AS located in the user's home network, i.e. the user's S-CSCF and the conference hosting MRFC/AS are located in the same network. Therefore, it is assumed that the phrase "User in different network" refers to the case that the conference is hosted by a MRFC/AS not located in the user's home network, i.e. the user's S-CSCF and the conference hosting MRFC/AS are located in different networks. According to the aforementioned definitions this contribution proposes to use the following phrases throughout annex A: - "MRFC/AS is located in user's home network" instead of "User in home network"
- "MRFC/AS is not located in user's home network" instead of "User in different network"
Note: For convenience's sake only the corrected headlines and the corresponding figures of annex A are shown in the CR. The details of the message flows are not repeated.

The name of the figures need to be aligned with the titles of the sub clauses.

Conclusion : Revised to 150

N1-040150 : TR 29.847v110, Siemens, **Type**: CR, **Title**: Correction of annex A headlines

Discussion :

Conclusion : Agreed

8.3.4 Messaging

N1-040051 : TS 24.247v021, Lucent T., **Type**: CR, **Title**: UE to UE message session flow

Discussion : 067 and 093 is related. It is possible for the Release-6 UE to originate and accept calls to user agents that do NOT support precondition and reliable provisional responses. In addition, the Release-6 P-CSCF and S-CSCF must be also capable of handling calls that do not specify the support for precondition and reliable provisional responses. Once these capabilities are incorporated into the Release-6 network, it is redundant to utilize precondition extension and reliable provisional responses for Message Session Relay Protocol (MSRP).

The flow was well received by ...George.... Flow 10 with 100 (Trying) should come after flow 7. The c line was queried to be aligned with 093. What about b line with bandwidth when it goes for text? Should it be unlimited,- some operators wanted bandwidth to be specified. In flow 27 a xp parameter is missing, plus some more details to be edited. Should flow 2 to 15 be described or not, and the agreement was not to show it here and is a valid comment for 151 as well.

Conclusion : Revised to 155

N1-040155 : TS 24.247v021, Lucent T., **Type**: CR, **Title**: UE to UE message session flow

Discussion : Only a simple example of offering should be done, just the picture. The length notation is not correct, 3 dots.

Conclusion : Revised to 197

N1-040197 : TS 24.247v021, Lucent T., **Type**: CR, **Title**: UE to UE message session flow

Discussion :

Conclusion : Agreed

N1-040052 : TS 24.247v021, Lucent T., **Type**: CR, **Title**: Message session initiation - mobile originating case

Discussion : The stage 2 document states that "the UE shall not use the preconditions mechanism for Session based messaging establishment except for cases defined in RFC 3312." Furthermore, the stage 2 document specifies two cases:
1. Prior to offering to host the message session, the UE will use an already established IP-CAN or it can establish an IP-CAN bearer on which it can accept the connection for the message media component . In this case the UE will ignore the authorization token if received.
2. The UE will initiate the message session prior to establishing the IP-CAN bearer. In this case the UE may utilize the authorization token if received, when establishing the IP-CAN bearer, and correlate them. In this case the UE will not utilize the authorization token when establishing the IP-CAN bearer with the message session.

Is IPCAN for both signalling and media, or only for the media. In the second point it is for the media. Text on this also for 093 to be clarified offline. A failure case of sending and/or response with precondition with fallback should be described. Instead of 'shall not indicate support for precondition ...' it could be changed to 'may not indicate...' was discussed versus the complexity to design all the possible cases.

Conclusion : Revised to 156

N1-040156 : TS 24.247v021, Lucent T., **Type**: CR, **Title**: Message session initiation - mobile originating case

Discussion : The IP-CAN bearer for media related to signalling is not clear in B.9.2.1.1. The disturbance from messaging in this case seems to be an open issue in SA2 as well. Case b) is described in 24.229 to be stated. The text is tied to UE and a note about applicability to AS is proposed.

Conclusion : Revised to 198

N1-040198 : TS 24.247v021, Lucent T., **Type**: CR, **Title**: Message session initiation - mobile originating case

Discussion :

Conclusion : Agreed

N1-040053 : TS 24.247v021, Lucent T., **Type**: CR, **Title**: Message session initiation - mobile terminating case

Discussion : The stage 2 document states that "the UE shall not use the preconditions mechanism for Session based messaging establishment except for cases defined in RFC 3312." Furthermore, the stage 2 document specifies two cases:
1. Prior to accepting the message session, the UE may establish an IP-CAN bearer. In this case the UE may utilize the authorization token if received, when establishing the IP-CAN bearer.
2. The UE may utilize an already established the IP-CAN bearer. In this case the UE will ignore the authorization token if received.

Clarification on reservation and commitment of local resource, and SDP may not always be included in the response. Text from the draft, especially in the second paragraph, should not be included. Not talk about UE but use the participant. It was big support that the terminating UE could reject the offered message session. State only what is specific for 3GPP and again what goes on signalling and what is media. The AS can also take the role as a participant, and can not reserve anything. Separate IPCAN and maybe roles to another chapter.

Conclusion : Revised to 157

N1-040157 : TS 24.247v021, Lucent T., **Type**: CR, **Title**: Message session initiation - mobile terminating case

Discussion : Again the wording goes for general PDP context, but not for signalling dedicated PDP context.

Conclusion : Revised to 199

N1-040199 : TS 24.247v021, Lucent T., **Type**: CR, **Title**: Message session initiation - mobile terminating case

Discussion :

Conclusion : Agreed

N1-040067 : TS 24.247v021, Siemens, **Type**: CR, **Title**: Flow for session based messaging w/o precond

Discussion : 051 and 093 is related. New Flow, SA2 decided that for session based messaging the session will be setup without preconditions. The offerer of the session already has an IPCAN bearer to transport MSRP messages when initiating the session. No SBLP will be applied in the shown flow.

Could an explanation box be inserted before flow 1 and 14. Agreed to use 093 as a template and merge all relevant parts into a revision of that.

Conclusion : Noted

N1-040068 : TS 24.247v021, Siemens, **Type**: CR, **Title**: Correction of flow for session based messaging

Discussion : The agreed part will be integrated into the revised document 151.

Conclusion : Withdrawn

N1-040092 : RIM, **Type**: DISCUSSION, **Title**: Session based Messaging current architectural status

Discussion : Since the last CN1 meeting in Bangkok SA2 have discussed the architecture for session-based messaging. The attached four CRs on session-based messaging to 23.228 were agreed at the last SA2 meeting in Innsbruck. In particular in CR 381 (S2-040381) it was agreed by SA2 that "The UE shall not use the preconditions mechanism for Session based messaging establishment except for cases defined in RFC 3312[41]." This makes the use of preconditions for session-based messaging the exception rather than the normal scenario. In fact at SA2 it was decided to withdraw a CR with a session-based messaging flow using preconditions since the view of the meeting was such that the use of preconditions for session-based messaging was not normally required. Stage 2 flows for:
Session based messaging procedure to registered public user identity (CR 382/ S2-040382)
Session based messaging procedure with an intermediate node (CR 384/ S2-040435)
Session based messaging procedure using multiple UEs (CR 398/S2-040436)
were agreed by SA2. It is proposed that CN1 agree the following:
1) That the current preconditions flow in 24.247 is replaced by a flow showing session-based messaging without preconditions.
2) That two separate end-end flows showing session-based messaging without preconditions be included in 24.247 one with each of the UEs hosting the session.
3) That a single end-end session-based flow is included in 24.247 showing intermediate nodes in both home networks with the originating UE hosting the session.
4) That a single session based messaging conference flow is included in 24.247 showing only the originating part of the scenario.

It was desired that the flow or at least some text with precondition should still be included. Could you establish the messaging service without a PDP context with authorization? Have to separate the cases on being a sender or a receiver. It was thought that a messaging service required mainly GPRS and not an IMS session with SBLP. Precondition must be used if e.g. a streaming media is needed, and in 3GPP this exception is likely to be true in many cases. In the 4th bullet also the terminating side should be included. The 3rd bullet was discussed as being a relay or back to back case. Argued to be a BTBUA. A new scenario with pre-established PDP context were discussed, and a statement was that it can not be binded to a session since no token are granted.

Proposal 1 was agreed to be covered not by repeating call flows with preconditions but referencing to existing precondition flows in 24.228. It was agreed to take proposals 2 – 3 as working assumptions but proposal 4 was agreed to be split in two different flows showing both originating and terminating sides of the same flow.

Conclusion : Noted

N1-040093 : TS 24.247v021, RIM, **Type**: CR, **Title**: Message Sessions in IMS

Discussion : 051 and 067 is related. In addition to the changes required to be compliant with SA2 CR 381. The following additional corrections have been made:

- Replaced term User Agent with UE.
- Dummy URLs added in the C= line of the SDP as this URL is not used by MSRP.
- Message formats specified using accept-types attribute in SDP instead of on media line compliant with draft-ietf-simple-message-sessions-02.
- Corrected Figure so that I-CSCF sends 100 Trying in step 7 in response to Invite instead of step 10.
- Addition of optional 100 trying response from terminating UE to Invite compliant with IMS terminating procedures in TS 24.228.
- Removal of Exp parameter in 200 OK to MSRP SEND compliant with draft-ietf-simple-message-sessions-02.
- CRLF added between MSRP headers and content in MSRP SEND.
- Double quotes added around Content-Type in MSRP SEND compliant with draft-ietf-simple-message-sessions-02.
- Corrected the 200 OK flow (which currently is the contents of an UPDATE).
- Added message/cpim to accept-types returned in SDP answer.

Should show more of the differences to what is important instead of general statements, e.g. which context to use. Since dedicated signalling and general purpose PDP context is IPCAN irrelevant it was thought that example flows are needed. If context is not shown also the VISIT and SEND messages, which are bearer level related, should also not be shown. These messages were intended for defining the media and is important to a reader. The context issue could be textual in a new box. The SDP answer comes later in 200 (OK). It was questioned if 100 (Trying) should be there, and was needed to stop the short timer. 100 must be mandatory if 183 is not shown. The star in the m line was also questioned and clarified with reference to the draft. Then the backwards compatibility between IETF drafts were raised, and the discussion must continue in IETF. The flow is just an example and a normative text CR is needed, discussing also resource reservation etc., and can be submitted for this meeting. A prerequisite for this flow is that general purpose context is shown and should in that case be stated. Should a flow on signalling PDP context mode be integrated or in a separate flow. General purpose should then only be made if it shows something new for the flow. Comment that the introduction of SDP enhancements introduces an interoperability problem between Rel-6 UEs and Rel-5 IMS CSCFs. It was decided to convert this call flow into a dedicated PDP context scenario and consider later whether general purpose PDP context case is sufficiently different to justify creation of another flow.

Conclusion : Revised to 151

N1-040151 : TS 24.247v021, RIM, **Type**: CR, **Title**: Message Sessions in IMS

Discussion : Since the flow seem to be revised and can affect other flows as well, this is not feasible for this meeting.

Conclusion : Agreed

N1-040099 : TS 24.247v021, Samsung, **Type**: CR, **Title**: Text Proposal for definition of messaging service using the IP Im core network (for TS 24.247)

Discussion : It was questioned where these definitions come from, but anyway the feeling was that the way we have it up to now was preferred. Not having a definition in two places. Also defining Relay was objected. And also terms used in the document should be stated.

Conclusion : Revised to 152

N1-040152 : TS 24.247v021, Samsung, **Type**: CR, **Title**: Text Proposal for definition of messaging service using the IP IM core network (for TS 24.247)

Discussion : The definitions should or not import or make explanation text belonging to other documents. Yes for long term on this TS, with an editors note for now explain to remove it when the draft has the proper text. Delete the text.

Conclusion : Revised to 189

N1-040189 : TS 24.247v021, Samsung, **Type**: CR, **Title**: Text Proposal for definition of messaging service using the IP IM core network (for TS 24.247)

Discussion : The only change since the previous version is the removal of explanations of the three remaining terms to leave only a list of terms defined in the referenced draft. Richard Brook from Samsung volunteered to propose to IETF that these terms should be defined in the next version of the draft.

Conclusion : Agreed

N1-040121 : TS 24.247v021, Ericsson, **Type**: CR, **Title**: Definition and terminology of immediate messaging and session based messaging

Discussion : CN1 is currently working on messaging and conferencing issues. All aspects within the stage 1 and stage 2 descriptions of said services are not that clearly defined and terminology is not aligned with IETF, where the actual protocol design is based on.

This situation with different terminology is a special case, and the similarities were proposed in a note as defined in SA1. It would be better to change SA1 terminology, but with no success. The rapporteur can number reference list without insertion with letters between numbers. It was agreed that CN1 should not use in different meaning the terms that SA1 have defined, but it would be more appropriate to change those existing definitions. Proposed to send another LS to SA1 on all messaging terminology, including copy to SA2.

Conclusion : Rejected and LS out in 153

N1-040122 : TS 24.247v021, Ericsson, **Type**: CR, **Title**: Use of MESSAGE versus MSRP

Discussion : It is proposed to indicate that the use of MESSAGE versus MSRP is up to service provides or the application. However it shall be clearly specified that the MESSAGE method cannot exceed 1300 bytes., in order to align with RFC3428. Even though the requirement only applies to TCP based messages, within 3GPP, it would be more reasonable to use the same limit for any transport protocol in order to minimize options and differences in the UE.

For operators that want to support both it is difficult to know what to do since the applications are in charge. But operators have much to say on the applications. Should the limit on MESSAGE be more flexible and/or for further studies? We also have a problem with Rel-5. Why not have a limit on the network side as well (not only the UE)? The intended media sessions should be clarified in the proposal, e.g. inside or outside MSRP. The application also need some user knowledge if one or more messages are intended, which is a factor for consideration as well. The intention with this CR is to limit what can be sent on the signalling channel. Is 24.229 the right place for guidelines, which can be shifted over from the annex part in 24.247. Guide or configurable limit could be sent over the air for the UE to respect is a possibility. A rel-5 CR on 24.229 may be needed as well for rel-6.

Conclusion : Revised to 154

N1-040154 : TS 24.247v021, Ericsson, **Type**: CR, **Title**: Use of MESSAGE versus MSRP

Discussion : Service provider is a wrong term here and shall be replaced by UE or participant or AS application.

Conclusion : Revised to 200

N1-040200 : TS 24.247v021, Ericsson, **Type**: CR, **Title**: Use of MESSAGE versus MSRP

Discussion :

Conclusion : Agreed

N1-040123 : TS 24.247v021, Ericsson, **Type**: CR, **Title**: Correction of flow A.4 in 24.247

Discussion :

Conclusion : Withdrawn

8.3.5 Extensions to SIP capabilities

N1-040054 : 29.229v610, CR#578, Lucent T., **Type**: CR, **Title**: UE requesting no-fork

Discussion : The document 23.228 sub clause 4.2.7 states: "The UE shall be able to include preferences, in INVITE's, indicating that proxies should not fork the INVITE request." 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.

How shall we treat caller preferences draft in the future? It is possible to support only the one parameters that suits. This CR should probably also deal with the case that 'fork' is set.

Conclusion : Revised to 184

N1-040184 : 29.229v610, CR#578r1, Lucent T., **Type**: CR, **Title**: UE requesting no-fork

Discussion : No interim version made, but if collisions are encountered this CR shall be used as template and updated.

Conclusion : Agreed

N1-040087 : Nokia, **Type**: DISCUSSION, **Title**: CSCF status info

Discussion : In IMS, after registration the user has an outbound proxy (P-CSCF) and a registrar (S-CSCF) assigned. Any activity of the user goes through these two proxies. If P-CSCF fails or is shut down for maintenance or software upgrade, then the communication of the users connected to IMS through that P-CSCF fails. And there is no way for an IMS UE to re-establish the communication. The S-CSCF has the possibility to deregister the user and send a notification about it to the user. In the notification the S-CSCF can hint the terminal/user what to do next, i.e. do an automatic reregistration or just acknowledge and do nothing. In case the S-CSCF is down and the user does a reregistration, it gets assigned a new S-CSCF. Even though the user had to terminate all ongoing dialogs, it can reinitiate them. This contribution proposes a new event state for the P-CSCF to be defined. The possible states for the P-CSCF could be: operational, shut down in progress, busy, overloaded, etc. When this new state is supported in the P-CSCF, the S-CSCF would subscribe to this state of the proxy. When the P-CSCF is to be shut down (controlled shut down), the S-CSCF gets a notification, and it would then deregister all the users connected to the network through that P-CSCF, requiring them at the same time to reregister.

In the case were the P-CSCF is in the home network it can be operator controlled through the notification designed in the S-CSCF, or P-CSCF may in some cases be integrated in the S-CSCF node. Uncontrolled failures, and P-CSCF in the visited network, can not be operator or automatically controlled in any case. Should it be an OAM issue or a protocol issue. The failure (not controlled shut down) of P-CSCF is likely to be spotted by the other network elements before the failing entity notices it, or it's too late for it to react. Concern on the number of subscriptions that would be needed to keep S-CSCFs aware of the status of each P-CSCF. Just subscription to P-CSCF status does not solve the whole problem but the S-CSCF would need to react based on the status information it receives.

Conclusion : Noted

N1-040088 : 29.229v570, CR#580, Nokia, **Type**: CR, **Title**: Sending authentication challenge

Discussion :

Conclusion : Postponed

N1-040089 : 29.229v610, CR#581, Nokia, **Type**: CR, **Title**: Sending authentication challenge

Discussion : CR566 removed the condition on sending an authentication challenge. The text in 5.4.1.2.3 remained unupdated. The condition when an authentication challenge should be sent out was removed.

This discussion must consider Rel-5 version as well and is therefore to be provided again for CN1#33.

Conclusion : Postponed

N1-040090 : 29.229v610, CR#581, Nokia, **Type**: CR, **Title**: DoS attack

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).

If any rel-6 CRs on CN controlled specs are agreed an interim version is needed, or that all these type of CRs are postponed to CN1#33. This CR also adds functionality that could be useful if agreed also for rel-5. The question is if it is regarded as a frequent misbehaviour or not. See bullet 4 in 5.2.2 of 24.229 for related text to this CR.

Conclusion : Postponed

N1-040091 : 23.218v600, CR#582, Nokia, **Type**: CR, **Title**: Dh Interface

Discussion : The TS 23.002 and 23.228 define the Dh interface between application server and SLF. The interface is used for retrieving the address of the user's HSS in multiple HSS environment.

Dh is a pure rel-6 issue and an interim version is not needed since collisions are not likely to happen. It was questioned why all sort of interfaces should be listed, but this was an historical decision. Editorial to be agreed offline.

Conclusion : Revised to 158

N1-040158 : 23.218v600, CR#582r1, Nokia, **Type**: CR, **Title**: Dh Interface

Discussion : Category should probably be B since it obviously is an enhancement.

Conclusion : Agreed

N1-040113 : Nokia, **Type**: DISCUSSION, **Title**: S-CSCF and P-CSCF Re-Selection

Discussion : 24.229 currently only describes a case of S-CSCF re-selection that works when no other dialogs are ongoing via the S-CSCF that does not respond. In this case, the I-CSCF can easily re-select a new S-CSCF. If the UE has already dialogs established, all these dialogs have to be dropped, in order to ensure correct network and UE behaviour. This is due to the fact, that the S-CSCF (which went out-of-order) has record-routed to every dialog that was established from/to its user. This means further, that no requests or responses on these dialogs will ever reach the user or can be sent from the user, when this S-CSCF is out of order. 24.229 also does not state what happens, if not the I-CSCF (chapter 5.3) but the P-CSCF (chapter 5.2) gets aware of a S-CSCF being out of order. It must be said that in most of the cases the P-CSCF will detect that the S-CSCF is out of order, as the I-CSCF only handles REGISTER requests. Additionally also the procedures for P-CSCF re-selection need to be described for the case the P-CSCF goes out of order.

Retransmissions is a part of the scenarios. Reregistration with expiry 0 was proposed. It was questioned why the UE should have procedures to find out if a network is working instead of just starting from scratch. It is a problem that the UE is not reachable even if it looks to be registered for the user. How many error cases is it in addition to 504? It is not clear description if 504 is sent for this error situation, e.g. 408 could be used. A solution for the terminating case was invited but considered difficult without having the IP address. Heartbeat with shortened timer is a possible solution, but considered too long anyway to avoid reaching the UE. It was agreed that the described problem exists. Additionally to the identified case, another case for incoming calls does exist and no solution to this could be foreseen as the problem in the network to deliver terminating messages can not be known by the (terminating) UE.

Conclusion : Noted

N1-040114 : 29.229v610, CR#583, Nokia, **Type**: CR, **Title**: S-CSCF and P-CSCF Re-Selection

Discussion : IPCAN bearer issues should be in chapter 9 rather than 5, and the wording dialogue and transactions were commented. The term 'drop' is not very valuable to give a clear spec.

Conclusion : Revised to 159

N1-040159 : 29.229v610, CR#583r1, Nokia, **Type**: CR, **Title**: S-CSCF Re-Selection

Discussion : 114 was decided split by the author between this 159 and 180. This issue in the scope of 113 creates a lot of confusion, and comments made hints at having it discussed in SA2 first. An LS were proposed for the problem around this proposed solution, but it was seen as not a feature that SA2 should be involved in. No decisions could be made.

Conclusion : Postponed

N1-040180 : 29.229v610, CR#584, 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.

All the changes in clause 9 wants to be seen first before agreeing at this point. Category should be B and other comments were made that required changes.

Conclusion : Postponed

8.3.6 Followup of IETF development of new SIP & SDP capabilities

N1-040055 : Lucent T., **Type**: DISCUSSION, **Title**: An analysis of the requirements of the Accept-Contact header

Discussion :

Conclusion : Not available

N1-040056 : Lucent T., **Type**: DISCUSSION, **Title**: An analysis of the requirements of the Reject-Contact header

Discussion :

Conclusion : Not available

N1-040057 : Lucent T., **Type**: DISCUSSION, **Title**: An analysis of the requirements of the Request-Disposition header

Discussion :

Conclusion : Not available

N1-040058 : 29.229v610, CR#579, Lucent T., **Type**: CR, **Title**: Inclusion of caller preferences into profile

Discussion :

Conclusion : Not available

8.4 MBMS (Multimedia Broadcast Multicast Services)

N1-040069 : TR 29.846v100, Siemens, **Type**: CR, **Title**: Verification of UE Bearer Capabilities

Discussion : With the latest version of TR 23.246, v 6.1.0, SA2 added a verification of the UE's bearer capabilities to the multicast service activation procedure. QoS requirements can be different for different MBMS bearer services. And, when MBMS bearer services are provided with differing QoS values, then very likely not every UE will be able to handle every MBMS bearer QoS, e.g. every possible bit rate. As a result the user might activate MBMS services that the UE can not handle, and he might be charged for services that he cannot use. According to TS 23.246, the UE's bearer capabilities are verified at MBMS multicast activation. As the QoS values may change per session it is necessary to verify the UE capabilities with the upper limit of the QoS values used by the MBMS bearer service. These required MBMS bearer capabilities are defined by the MBMS user service and will be sent by the BM-SC via the GGSN to the SGSN during the MBMS Registration procedure when the MBMS bearer context is established. During the MBMS context activation the SGSN shall compare the MBMS bearer capabilities supported by the UE with the required

MBMS bearer capabilities. If the supported MBMS bearer capabilities are insufficient, the SGSN shall reject the MBMS context activation request with an appropriate SM cause ("requested resources insufficient for the service"). (Note: the existing SM cause #26, 'insufficient resources', indicates that the entity receiving the request does not have the requested resources available, whereas during MBMS context activation it can happen that the entity sending the request (=MS) cannot provide sufficient resources for the service.)

It was a comment that this was too much a stage 2 level description, and that it does not give much logic to the implementation in the terminals. It was a proposal to send a LS to SA2. The 'maximum QoS' was discussed and it was explained to mean e.g. the maximum data rate that the UE is able to receive. So it is a technical limitation, rather than subscription oriented or based on user's choice. The static and dynamic aspects for implementation in the UE is related to QoS. A clear decision on the bearer could influence the question.

Conclusion : Postponed and LS OUT in 160 by Christian H. / Ericsson

N1-040070 : Siemens, **Type**: DISCUSSION, **Title**: Protocol for MBMS Session Management

Discussion : N1-040070 and N1-040127 are on the same topic. Until now, CN1 has collected functional requirements for the information to be transferred in MBMS session management messages in TR 29.846, but a decision about the relationship between the MBMS session management and the session management protocol specified in TS 24.008 was postponed. At the last CN1 meeting the following 3 alternatives were proposed how the MBMS session management messages could be introduced to the standard:
i) new protocol with new PD,
ii) enhancement of SM protocol by addition of new messages,
iii) enhancement of SM protocol by enhancement/reuse of existing messages, where in principle, alternative (ii) and (iii) could also be combined. (E.g. new messages could be defined for the activation of MBMS contexts, whereas for the deactivation the existing messages could be reused.)
The purpose of this contribution is to give some criteria for a decision between the alternatives, to evaluate the proposals according to these criteria, and especially to study alternative (iii) in more detail.

Both Nokia and Ericsson expressed a possible support for enhancing the existing SM protocol with new messages. All 4 companies giving a view makes exclusion of proposal i), but makes Nortel and Siemens expressing support for the alternative iii). One case separating the 2 views are the MBMS JOIN and PDP context activation. Probably there is a trade-off between where the logic differs while the syntax looks similar. Also NEC supported ii). Error handling is an important aspect. A working assumption seems to be that at least the activation we should look at separate messages. For the time being it is difficult to proceed much more, e.g. for deactivation message that looks rather similar in syntax.

The following working assumptions were agreed on MBMS PD and PDU coding:

- Introduction of new PD for MBMS is not needed at this point
- Introduction of new SM PDUs for MBMS was seen as 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.

Conclusion : Noted

N1-040101 : TR 29.846v100, Ericsson, **Type**: CR, **Title**: TR 29.846: MBMS Multicast Service Deactivation Update

Discussion : In this contribution the MBMS Multicast Service Deactivation procedure and related aspects are updated due to some mistakes found in the current text defined in TS 23.246. The reference to the timer T3385, which appears in the sub-clause 5.3.2.2.1, is not correct. The right timer to control the deactivation procedure on the network side is T3395. The IGMP queerer timer is not the right timer to be referred in the sub-clause 5.3.2.2.1, but the IGMP group membership timer. According to the RFC 2236 "Internet Group Management Protocol, Version 2", a router, which is the IGMP queerer, periodically sends a special query message to check whether there are still hosts interested in the multicast group associated to a certain IP multicast address and specifies a response time (i.e. IGMP group membership timer). If the timer expires and there is no response received from any hosts, the IGMP querier assumes that there are no listeners and the multicast group is deleted. This deletion results in implicit 'leave' procedure (i.e. the MBMS context is deactivated).

Conclusion : Agreed

N1-040127 : Ericsson, **Type**: DISCUSSION, **Title**: MBMS messages

Discussion : N1-040070 and N1-040127 are on the same topic. This contribution discusses the pros and cons of defining a new protocol discriminator (PD) for MBMS session management messages compared to re-using the existing GPRS Session Management PD. This is one of the still open points regarding MBMS that needs to be decided. Based on the comparisons in this document it is proposed that for MBMS session management messages it is decided to reuse the existing "GPRS protocol discriminator".

Nortel commented support for the 2 equal discussion documents were the Siemens proposal went further into analysis.

Conclusion : Noted

8.5 WLAN

N1-040048 : TS 24.234v020, Lucent T., **Type**: CR, **Title**: CR to 24.234: Editorial issues

Discussion : A number of editorial issues are raised that should be readily agreed to be fixed.

Conclusion : Agreed

N1-040059 : TS 24.234v020, Nokia, **Type**: CR, **Title**: TS 24.234: WLAN access parameters moved from TS 24.234 to TS 23.003

Discussion : It is proposed to describe the format of the parameters needed to access 3GPP system supporting WLAN interworking in TS 23.003 and specify in TS 24.234 the usage of these parameters. The proposal is carried out by the changes below to TS 24.234 and a corresponding CR to TS 23.003 under Tdoc N1-040060.

Again as in 060 it was comments on the username and the use of pseudonym. Missing information about e.g. when the username is IMSI based. This document depends on the 164 destiny.

Conclusion : Revised to 166

N1-040166 : TS 24.234v020, Nokia, **Type**: CR, **Title**: TS 24.234: WLAN access parameters moved from TS 24.234 to TS 23.003

Discussion : The rapporteur has the freedom to adjust heading numbering if needed. In 4.2.2 the wordings on leading parts of IMSI should be changed to something more precise text. For now an editors note. 4.2.4 editors note to be deleted.

Conclusion : Revised to 192

N1-040192 : TS 24.234v020, Nokia, **Type**: CR, **Title**: TS 24.234: WLAN access parameters moved from TS 24.234 to TS 23.003

Discussion :

Conclusion : Agreed

N1-040060 : 23.003v610, (CR#084) Nokia, **Type**: CR, **Title**: WLAN access parameters moved from TS 24.234 to TS 23.003

Discussion : For possible endorsement in CN1 since the CR is under CN4 responsibility. Agreement in CN1#32 of moving the specification of WLAN UE identities to TS 23.003. Scope updated to reflect WLAN identities. References added. New clause 14 added to cover new WLAN parameters.

23.003 is under CN4 control alone, and in last plenary a LS was sent to GSMA about the responsibility on the 3gppnetwork.org domain name. It was proposed that a LS was sent to CN4 with this CR revised, which would not have been fully technically checked in CN1. The different comments were to be incorporated in a revised version. The domain name format could be questioned to GSMA, but it should not be questioned to SA2 since this is a stage 3 issue now.

Conclusion : Revised to 164 and LS OUT in 165 by Inma C. / Nokia

N1-040164 : 23.003v610, (CR#084r1) Nokia, **Type**: CR, **Title**: WLAN access parameters moved from TS 24.234 to TS 23.003

Discussion : 14.2 step3 needs the word name after domain. 14.1 should indicate when EPA SIM is used and when EPA AKA is used, not both at the same time. And more comments have to be given offline or in CN4. Add a sentence that 0 is added in front if 2 digit MNC is used.

Conclusion : Revised to 190

N1-040190 : 23.003v610, (CR#084r2) Nokia, **Type**: CR, **Title**: WLAN access parameters moved from TS 24.234 to TS 23.003

Discussion : Something like this will be presented to CN4 from the originator.

Conclusion : Noted

N1-040061 : TS 24.234v020, Nokia, **Type**: CR, **Title**: TS 24.234: WLAN TS 24.234: Parameters

Discussion : As a result of the additions to WLAN Selection and WLAN PLMN selection procedures, new parameters have been introduced. This proposal includes agreements in SA1#23 in Tdocs S1-040257 and S1-040163. SA1 agreed that user and operator controlled lists are required for network selection and that related lists shall support earlier releases of UICC/SIM.

Again the reference to the definition of pseudonym was raised as an issue. Plus more editorials.

Conclusion : Revised to 167

N1-040167 : TS 24.234v020, Nokia, **Type**: CR, **Title**: TS 24.234: WLAN TS 24.234: Parameters

Discussion : Again the EAP SIM versus EAP AKA problem needs to be outlined for clarity.

Conclusion : Revised to 191

N1-040191 : TS 24.234v020, Nokia, **Type**: CR, **Title**: TS 24.234: WLAN TS 24.234: Parameters

Discussion : The only change since the previous change is that for each draft it is stated whether is applies to EAP-AKA or EAP-SIM.

Conclusion : Agreed

N1-040062 : TS 24.234v020, Nokia, **Type**: CR, **Title**: TS 24.234: I-WLAN Selection

Discussion : Manual and Automatic selection modes for I-WLAN selection must be supported and have been introduced in this proposal. This proposal includes agreements in SA1#23 in Tdocs S1-040210 and S1-040163. SA1 agreed that user and operator controlled lists are required for network selection and that related lists shall support earlier releases of UICC/SIM. This proposal also includes agreements in SA2#37 in Tdocs S2-040222 and S2-040461. SA2 agreed that the WLAN UE shall listen to beacon and probe for SSIDs before performing I-WLAN selection; and that the WLAN AN may broadcast information about the PLMNs it supports or its interworking capabilities.

A CR from SA2 recently agreed should be used for alignment. The selection method should be above the IEEE selection case. An editors note is needed about SA2 still discussing the selection procedures. It was a lengthy discussion on the selection criterias, SSID list versus probing (optionally) and priorities. Proposal to merge c) to a) and b). Why use priorities only on SSID when we are looking for the PLMN behind it?

Conclusion : Revised to 169 and LS OUT in 170 to SA2 by Inma C. / Nokia

N1-040169 : TS 24.234v020, Nokia, **Type**: CR, **Title**: TS 24.234: I-WLAN Selection

Discussion : The text must show WLAN independency since many technologies exist, e.g. on broadcasting and probing. The SA1 states that all WLANs should be supported. Addition of an editor's note telling that sub clause 5.2.1 is 802.11 WLAN related only and therefore the structure of the sub clause and the SSID selection precedence is still subject to confirmation in SA2 and CN1. Still hanging paragraph. Active and passive scanning are defined elsewhere and are WLAN technology dependant. It could be added to the LS for SA2 if stage 3 should be clearer on the text on WLAN relations or independence. In this CR an editors note could state this open issue.

Conclusion : Revised to 194

N1-040194 : TS 24.234v020, Nokia, **Type**: CR, **Title**: TS 24.234: I-WLAN Selection

Discussion :

Conclusion : Agreed

N1-040094 : TS 24.234v020, Nokia, **Type**: CR, **Title**: TS 24.234: WLAN PLMN Selection

Discussion : This proposal includes agreements in SA1#23 in Tdocs S1-040210 and S1-040163. SA1 agreed that the WLAN UE shall be able to request a list of available PLMNs to the WLAN at VPLMN selection. SA1 also agreed that user and operator controlled lists are required for network selection and that related lists shall support earlier releases of UICC/SIM.

Reference to forbidden PLMNs to WLAN was requested. The 3 different ways to get the PLMN list was questioned for clarification and possible indication in the CR.

Conclusion : Revised to 171

N1-040171 : TS 24.234v020, Nokia, **Type**: CR, **Title**: TS 24.234: WLAN PLMN Selection

Discussion : The SIM case related to the PLMN list seems not covered. Just delete the USIM wording, or insert new text? A new fallback to the PLMN selector list should be added in the selection procedure, which could be informed to SA1. The list is stored in the SIM or the ME, which would impact the new text.

Conclusion : Revised to 195

N1-040195 : TS 24.234v020, Nokia, **Type**: CR, **Title**: TS 24.234: WLAN PLMN Selection

Discussion : What about RAT in the background scan, - for future consideration. Style, and a capitol letter, and numbering to be handled by the rapporteur.

Conclusion : Agreed

N1-040095 : TS 24.234v020, Nokia, **Type**: CR, **Title**: TS 24.234: Terminology update

Discussion : This proposal includes agreements in SA1#23 in Tdocs S2-040125 and S1-040163. SA2 agreed that Wr and Ws reference points shall be renamed Wa and Wd respectively. Also SA1 and SA2 agreed that the term I-WLAN selection shall be used instead of WLAN Selection. The term interface has been replaced by reference point.

Terms defined in 3.1 should be used in the document. See also 120 which covers the same as this CR. All changes except I-WLAN are made in 120, while I-WLAN will go into 062.

Conclusion :Rejected

N1-040100 : Ericsson, **Type**: DISCUSSION, **Title**: WLAN authentication and authorization protocols

Discussion : This discussion paper shows that the current requirements and working assumptions on WLAN IW authentication and authorization stated in 3GPP TS 24.234 [1] seem not to be in line with the Stage 2 specification. In the TSG SA WG3 exists a Stage 2 specification on WLAN IW Security, which specifies the security architecture, trust model and security requirements for the interworking of the 3GPP System and WLAN Access Networks. This specification is 3GPP TS 33.234 [2] and it has to be followed by any Stage 3 specification. The requirements and working assumptions analysed are on the 3GPP AAA server and WLAN UE. In conclusion, this discussion paper proposes to send a liaison statement to TSG SA WG3 to ask for guidance on the open issues and no clear requirements on WLAN authentication and authorization protocols and after that, amend accordingly 3GPP TS 24.234 [1] as soon as possible in order to finish the WLAN IW work under TSG CN WG1 responsibility within schedule. At the same time, 3GPP TS 24.234 [1] has to clear out the contradictions found.

Is it mandatory for the ME to support both the EAP AKA and EAP SIM protocols? When determining whether it is mandatory for the UE to support both EAP-SIM and EAP-AKA, it may be useful to consider the following points: Proposed LS to SA3:

- SIM support is assumed to be optional in Rel-6 ME, can SA3 confirm this?
- Is it mandatory for the ME to support both EAP-SIM & EAP-AKA if the ME supports SIM interface
- Is it mandatory for the authentication server to support both EAP-SIM & EAP-AKA?

- If an ME with USIM is capable of supporting both EAP-SIM and EAP-AKA, then does it have to use EAP-AKA as primary authentication mechanism?
- Is the usage of EAP-SIM acceptable if the UE supports EAP-AKA?
- If the usage of EAP-SIM is not acceptable, then what is the outcome of the procedure, if that is attempted?

It may be better to identify ME requirements, not UE requirements, since the behaviour of UE will depend on what kind of smartcard has been inserted. SIM specifications 11.11 / 51.011 do not exist from Rel-5 onwards

Conclusion : Noted and LS OUT in 163 by Inma C. / Nokia and Christian H. / Ericsson

N1-040120 : TS 24.234v020, Ericsson, **Type**: CR, **Title**: Removal of reference to the Wx reference point

Discussion : The reference points relevant for CN1 are Wr and Ws (used to transport information from the UE to the 3GPP AAA Server). Some text is altered to clarify, and the figure 1 from the annex is moved and incorporated into subclause 4.1 for illustrative purposes. The names of the reference point are also updated according to the last SA2 meeting (Wr/Wb -> Wa and Ws/Wc -> Wd). The Wx reference point is between the 3GPP AAA Server and the HSS. This reference point is outside the scope of CN1, is not described or referenced in the text and is thus removed.

Annex B was not originally meant for transferring to relevant specs, but this CR do transfer information. However figures should not be duplicated from other specs and could be removed now instead of moving it to the main body. Change the word 'interface' to 'reference point'.

Conclusion : Revised to 168

N1-040168 : TS 24.234v020, Ericsson, **Type**: CR, **Title**: Removal of reference to the Wx reference point

Discussion : The figure problem is still there.

Conclusion : Revised to 193

N1-040193 : TS 24.234v020, Ericsson, **Type**: CR, **Title**: Removal of reference to the Wx reference point

Discussion :

Conclusion : Agreed

8.6 Emergency Call Enhancements for IP& PS Based Calls

None.

8.7 Network sharing

N1-040096 : TeliaSonera, **Type**: WID, **Title**: Proposed WID for Network Sharing stage 3

Discussion : 24.008 will have to allow the indication of the selected PLMN from the UE to the network when attempting to register. Are the other CN WGs expected to do any work on network sharing and if yes, would we prefer separate WIDs or a single CN – wide one? The WI is CN1 for now but will be widened to other CN WGs when work is identified. The scope needs to be enhanced and not only the references in the linked work item. Should be good to have dates for also SA work. The rapporteur's name should be given, and supporting companies should normally be active in CN1 work. No charging aspects are mentioned, but is not relevant to this WI (it hits the gateway) unless CN4 should be involved. It was rather thought a SA5 impact and this should be stated in another relevant WID.

Conclusion : Revised to 172

N1-040172 : TeliaSonera, **Type**: WID, **Title**: Proposed WID for Network Sharing stage 3

Discussion : Limitation to UTRAN should be covered by referencing to the stage 2.

Conclusion : Agreed

N1-040097 : TeliaSonera, **Type**: DISCUSSION, **Title**: CN impacts of Network Sharing in Rel-6

Discussion : Network Sharing has become a very important feature of the 3GPP system because it allows operators to share investment costs. Already Rel-99 contains limited functionality, e.g. equivalent PLMNs, that makes the deployment of shared networks at least technically feasible within that release. Some further support was added in Rel-5 (i.e. selective handover, so called Shared Network Access Control function). However, even in Rel-5, Network Sharing is still restricted on the system in terms of network selection and rerouting in shared areas. Therefore SA1 has identified different network sharing scenarios and the service requirements for implementing network sharing in Rel-6. The service and user requirements that are to be fulfilled for efficient network sharing are collected in an approved TR22.951. The new requirements have been included in TS 22.011, TS 22.101, TS 22.115, TS 22.129 and have been approved by SA. SA2 has been working with the architectural issues on this topic, and the stage 2 work on the architectural impacts is collected in TR 23.851, which is planned to be submitted for approval at SA#23. A work item for the stage 3 work in RAN (RP-030549) [4] has been approved at RAN#21. The working groups involved will be RAN2 and RAN3 with RAN2 as the responsible working group. The purpose of this paper is to discuss the impacts on CN aspect for network sharing based on the work already done by SA2 (and RAN2), and to ask CN1 to review a WI proposal for network sharing – stage 3 for Rel-6, which is to be presented at this meeting.

It concerns only UTRAN for the workitem now. However GERAN is also looking for this new functionality, but solutions can not be restricted by this now. Consider relative share of inbound roamers in GWCN scenario was not only considered for commercial aspects, but if these aspects results in SA2 putting up technical requirements it will be in CN domain. The service area shared or not in the shared Core Network scenario was discussed.

Conclusion : Noted

8.8 Subscriber certificates

N1-040079 : 24.abc , Nokia, **Type**: TS, **Title**: 24.abc skeleton

Discussion : The present document defines stage 3 for the HTTP Digest AKA [5] based implementation of bootstrapping Ub interface (UE-BSF) and the HTTP Digest [8] based implementation of bootstrapped security association usage over Ua interface (UE-NAF) in Generic Authentication Architecture (GAA). The purpose of the Ub interface is to create a security association between UE and BSF for further usage in GAA applications. The purpose of the Ua interface is to use the created security association between UE and NAF for secure communication. The stage 2 description of bootstrapping procedure can be found in 3GPP TS 33.220 [1]. This specification is a part of the GAA specification series.

Bootstrapping could be explained in the scope by introducing that word. What means GAA series? The SA3 23.xxx 3gpp specs, which means to delete that sentence from the scope since this will be a part of 24 series. Since this will be applicable to GSM the logo needs to be introduced. CN1 had problem if both interfaces should go into one TS or not. This will influence the title if not worded correctly, and possibly the scope regarding the relation between Ua and Ub. CN1 could not decide yet on the TS and title due to one or two documents.

Conclusion : Revised to 173

N1-040173 : 24.abc , Nokia, **Type**: TS, **Title**: 24.abc skeleton

Discussion :

Conclusion : Agreed

N1-040080 : 24.abc , Nokia, **Type**: TS, **Title**: Text to section 4.1

Discussion : Only introduction what bootstrapping is and what it will be used for. In the referencing part it is preferred to have the document as well, which the rapporteur inserts. The default rapporteur is Gabor Baiko/ Nokia for this specification. All text goes to the main body instead of going to the annexes. SA3 changes will influence this TS.

Conclusion : Agreed

N1-040081 : 24.abc , Nokia, **Type**: TS, **Title**: Text to section 4.2

Discussion : The overall Bootstrapping procedure in successful case is presented.

Shall the flows be normative or not. Informative text should go into annexes, or make a normative annex with text procedures in the main body. Flow examples should be informative. Ks_NAF as correct notation, and other editorials.

Conclusion : Revised to 174

N1-040174 : 24.abc , Nokia, **Type**: TS, **Title**: Text to section 4.2

Discussion : Whether 24.228 provides the keys for this is to be investigated.

Conclusion : Agreed

N1-040082 : 24.abc , Nokia, **Type**: TS, **Title**: Text to section 4.3

Discussion : Instead of getting 200 (OK) this flow is when the response is verified to be different than expected. It should be same comment for this document as for 081 about belonging to an annex, and it should show that step 9 is not done. Another way is not to show this as a flow, but it was a possibility to comment it in 4.2 subclause.

Conclusion : Revised to 175

N1-040175 : 24.abc , Nokia, **Type**: TS, **Title**: Text to section 4.3

Discussion :

Conclusion : Agreed

N1-040083 : 24.abc , Nokia, **Type**: TS, **Title**: Text to section 4.4

Discussion : In case the UE fails at authenticating the network based on the MAC generated locally, the UE shall abort the authentication procedure.

The word 'based on' should be removed. Could the information be enhanced a little?

Conclusion : Postponed

N1-040084 : 24.abc , Nokia, **Type**: TS, **Title**: Text to section 4.5

Discussion : If the UE considers the sequence number in the challenge to be not in the correct range, it shall send a synchronisation failure indication back to BSF.

Should HSS do the check and not the UE in step 5 ? This triggered a change to flows 2 and 3 etc.

Conclusion : Revised to 176

N1-040176 : 24.abc , Nokia, **Type**: TS, **Title**: Text to section 4.5

Discussion : Clause 4.5 was thought to have some text instead of just a reference,- for next meeting?

Conclusion : Agreed

N1-040085 : 24.abc , Nokia, **Type**: TS, **Title**: Text to section 5

Discussion : The usage of bootstrapped security association (i.e, the transaction identifier - TID - and the bootstrapped session key Ks) over Ua interface depends on the application protocol used between UE and NAF. This section describes how TID and Ks can be utilized in HTTP Digest authentication [8].

SA3 issues are still unstable and should wait, resulting in deleting the editors note. The flow goes to the annex etc.

Conclusion : Revised to 177

N1-040177 : 24.abc , Nokia, **Type**: TS, **Title**: Text to section 5

Discussion : The flow is still not in the annex, probably B since A is for bootstrapping. This will be handled by the rapporteur during implementation.

Conclusion : Agreed

N1-040086 : 24.abc , Nokia, **Type**: TS, **Title**: XML schema

Discussion : Do we need this part at all? Not many opinions on this document. Why was it not IETF draft defining this? It is something, but without BSF.

Conclusion : Postponed

9 LS OUT (output liaison statements)

N1-040135 : Andrew H./Motorola, **Type**: LS OUT , **To:** SA2, **Cc:** GERAN2, RAN2, **Title**: Reply to Further questions on Service Id needs in the Access

Discussion : Response to 022.

Conclusion : Agreed

N1-040136 : Duncan M. / Vodafone, **Type**: LS OUT , **To:** CN3, **Cc: ,** **Title**: LS on SBLP handling of Session modification without adding or removing media lines

Discussion : Response to 009. Some rewordings about the CN3 status or delete this part,- the situation on hold, gate closing and 'inactive'.

Conclusion : Revised to 185

N1-040185 : Duncan M. / Vodafone, **Type**: LS OUT , **To:** CN3, **Cc: ,** **Title**: LS on SBLP handling of Session modification without adding or removing media lines

Discussion :

Conclusion : Agreed

N1-040137 : Keith D. / Lucent, **Type**: LS OUT , **To:** SA2, **Cc:** , **Title**: LS on the SIP NOTIFY message carrying the reason for deregistration

Discussion : Response to 108.

Conclusion : Agreed

N1-040138 : Andrew H./Motorola, **Type**: LS OUT, **To:** SA1, **Cc:** SA2, GERAN1, RAN2, **Title**: Reply to Preferred Roaming List for 3GPP2 Multi-mode Terminal

Discussion : Response to 133.

Conclusion : Agreed

N1-040153 : Atle M. / Ericsson, **Type**: LS OUT, **To:** SA1, **Cc:** SA2, **Title**: LS on terminology for messaging

Discussion : Related to 121. All 3 identified terms/cases should be added. No slight concern, but big concern and that the issue was earlier raised. Describe more the problem was also desired. The CR could not be attached since it is not agreed yet, due to the problem.

Conclusion : Revised to 196

N1-040196 : Atle M. / Ericsson, **Type**: LS OUT, **To:** SA1, **Cc:** SA2, **Title**: LS on terminology for messaging

Discussion :

Conclusion : Agreed

N1-040160 : Christian H. / Ericsson, **Type**: LS OUT, **To:** SA2, **Cc:** , **Title**: LS on MBMS UE bearer capabilities

Discussion : Related to 069.

Conclusion : Agreed

N1-040161 : Robert Z. / Siemens, **Type**: LS OUT, **To:** SA2, **Cc:** GERAN2, **Title**: LS on paging coordination for MBMS and other services

Discussion : Response to 029. MCC to modify two editorials online.

Conclusion : Agreed

N1-040162 : Inma C. / Nokia, **Type**: LS OUT, **To:** T3, SA3, **Cc:** , **Title**: Reply LS on Parameters and files for WLAN interworking

Discussion : Response to 033.

Conclusion : Agreed

N1-040163 : Inma C. / Nokia , Christian H. / Ericsson, **Type**: LS OUT, **To:** SA3, **Cc:** SA2, **Title**: LS on WLAN authentication and authorization

Discussion : Related to 100. Was it any cases where the UE only needs to support EAP AKA?

Conclusion : Agreed

N1-040165 : Inma C. / Nokia, **Type**: LS OUT, **To:** CN4, **Cc:** SA2, **Title**: LS on WLAN access parameters to TS 23.003

Discussion : Response to 164. Some editorial cleanup needed.

Conclusion : Revised to 201

N1-040201 : Inma C. / Nokia, **Type**: LS OUT, **To:** CN4, **Cc:** SA2, **Title**: LS on WLAN access parameters to TS 23.003

Discussion : Response to 164.

Conclusion : Agreed

N1-040170 : Inma C. / Nokia, **Type**: LS OUT, **To:** SA2, **Cc:** , **Title**: LS on I-WLAN Selection

Discussion : Response to 109 and related to 062. It was requested to change 'some companies' to 'CN1 could not reach consensus'. Plus some more online changes.

Conclusion : Revised to 202

N1-040202 : Inma C. / Nokia, **Type**: LS OUT, **To:** SA2, **Cc:** SA1, **Title**: LS on I-WLAN Selection

Discussion : 'Some companies'....

Conclusion : Revised to 203

N1-040203 : Inma C. / Nokia, **Type**: LS OUT, **To:** SA2, **Cc:** SA1, **Title**: LS on I-WLAN Selection

Discussion :

Conclusion : Agreed

10 Late and misplaced documents

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

11 Any Other Business (AOB)

None provided.

12 Closing of the meeting

15:30 Thursday 29.01.2004

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	A place close to a major airport, not Nice?	EF3 will be asked
N1#34	10-14 May 2004	Zagreb, Croatia	EF3
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	?
TSGN #26	**08 -10 Dec 2004**	**Athens, Greece**	**?**

Annex A Joint meeting report with none

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

Annex B List of participants (31)

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Annex C Agreed CRs (2)

Status	TDoc #	Spec	CR #	Rev	CA	Tdoc Title	C_Version	Type	WI	Rel
AGREED	N1-040158	23.218	064	1	B	Dh Interface	6.0.0	CR	IMS2	Rel-6
AGREED	N1-040184	24.229	578	1	B	UE requesting no-fork	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)

Agenda	TDoc #	Tdoc Title	Source	Spec	CR #	Rev	WI	C_Version	Rel	CAT	Type	Comments	Status
	N1-040001	SophiaAntipolis0401	Chairman								AGENDA		AGREED
	N1-040002	DRAFT MEETING REPORT, 3GPP TSG-CN#22	MCC								REPORT		NOTED
	N1-040003	Draft Report for TSG SA meeting #22	MCC								REPORT		NOTED
	N1-040004	CN1 specification responsibility list after plenary#22	MCC								LIST		NOTED
	N1-040005	Latest workplan for review	MCC								WORKPLAN		NOTED
	N1-040006	Liaison Statement reply to 3GPP SA2 on Comments on ETSI SR 002 180 V0.3.2	OCG EMTEL								LS IN	EM05td018r1, To: ETSI TB TISPAN, SA, SA2, Cc: CN, CN1, CN4,	NOTED
	N1-040007	Further questions on Service Id needs in the Access Network	GERAN2								LS IN	GP-032818, To: SA2, Cc: RAN2, CN1,	NOTED
	N1-040008	LS Reply on “Trace Management”	CN4								LS IN	N4-031387, To: SA5, Cc: CN1, CN2,	NOTED
	N1-040009	LS on SBLP handling of Session modification without adding or removing media lines	CN3								LS IN	N3-030811, To: CN1, Cc: ,	LS OUT in 136
	N1-040010	LS on Special-RAND mechanism	CN4								LS IN	N4-031289, To: SA3, Cc: CN1, GERAN2, T2,	NOTED
	N1-040011	Request for clarification on the scope of the Ut interface towards the OSA-SCS	CN5								LS IN	N5-030665, To: CN, SA2, Cc: SA1, CN1,	NOTED
	N1-040012	Reply LS to 3GPP on principles for overlapping issues with OMA regarding PoC	OMA Req WG								LS IN	OMA-0676R02, To: SA, Cc: SA1, SA2, CN1, CN3, CN4, OMA PAG WG,	NOTED
	N1-040013	Reply to: LS Response on a new question about RAN assumption	RAN2								LS IN	R2-032692, To: SA2, RAN3, Cc: CN1,	NOTED
	N1-040014	Response LS on “Handling of MBMS UEs in RRC-connected, PMM-IDLE state”	RAN2								LS IN	R2-032707, To: SA2, Cc: RAN3, CN1,	NOTED
	N1-040015	Reply LS on “The requirement and	SA2								LS IN	S2-033803, To: SA3,	NOTED

		feasibility of IMS watcher authentication"										Cc: SA1, CN1,	
	N1-040016	LS Response on new questions about RAN assumption	RAN3								LS IN	R3-031868, To: SA2, Cc: RAN2, CN1,	NOTED
	N1-040017	Answer LS on Handling of MBMS UEs in RRC-connected, PMM-IDLE state	RAN3								LS IN	R3-031874, To: RAN2, SA2, CN1, Cc: ,	NOTED
	N1-040018	Reply on the requirement and feasibility of IMS watcher authentication	SA1								LS IN	S1-031210, To: SA3, Cc: SA2, CN1,	NOTED
	N1-040019	LS to CN4 on IETF work on RADIUS enhancements	SA2								LS IN	S2-033793, To: CN4, Cc: CN1,	NOTED
	N1-040020	Response LS on "Handling of MBMS UEs in RRC-connected, PMM-IDLE state"	SA2								LS IN	S2-033782, To: RAN2, RAN3, Cc: CN1,	NOTED
	N1-040021	LS Response on a new question about RAN assumption	SA2								LS IN	S2-033783, To: RAN3, Cc: RAN2, CN1,	NOTED
	N1-040022	Further questions on Service Id needs in the Access	SA2								LS IN	S2-033785, To: RAN2, GERAN2, CN1, Cc: ,	LS OUT in 135
	N1-040023	LS to CN1 on IETF work for WLAN network selection	SA2								LS IN	S2-033792, To: CN1, Cc: CN4,	NOTED
	N1-040024	Response for Introducing the Privacy Mechanism in Stage 2	SA2								LS IN	S2-033804, To: SA3, Cc: CN1,	NOTED
	N1-040025	Response LS on "Nature of SIP Signalling"	SA2								LS IN	S2-033807, To: RAN3, Cc: RAN2, CN1,	NOTED
	N1-040026	Reply LS on "Reply LS on Network Sharing in GERAN"	SA2								LS IN	S2-033809, To: GERAN, Cc: RAN2, CN1, SA1,	NOTED
	N1-040027	Reply LS to CN5 on Request for clarification on the scope of the Ut interface towards the OSA-SCS	SA2								LS IN	S2-034363, To: CN5, CN, Cc: SA1, CN1,	NOTED
	N1-040028	Reply to LS on Explicit Data Volume Reporting in RNC	SA2								LS IN	S2-034371, To: SA5, RAN3, Cc: CN1,	NOTED
	N1-040029	LS on paging coordination for MBMS and other services	SA2								LS IN	S2-034376, To: GERAN2, RAN2, RAN3, CN1, Cc: SA1,	LS OUT in 161
	N1-040030	Reply LS on Special-RAND mechanism	SA3								LS IN	S3-030802, To: CN1, Cc: GERAN2,	Forwarded to CN1#33

	N1-040031	LS on Explicit Data Volume Reporting in RNC	SA5								LS IN	S5-034764, To: SA2, RAN3, Cc: CN1,	NOTED
	N1-040032	LS on the harmonization of ISIM for 3GPP2	T3								LS IN	T3-030932, To: SA2, CN1, Cc: ,	NOTED
	N1-040033	LS on Parameters and files for WLAN interworking	T3								LS IN	T3-031016, To: SA2, CN1, Cc: SA1,	LS OUT in 162
.1	N1-040034	Summary of current IETF documents on SIPPING	Lucent Technologies / Keith Drage				IMS-CCR				INFO		NOTED
.1	N1-040035	Summary of current IETF documents on SIP	Lucent Technologies / Keith Drage				IMS-CCR				INFO		NOTED
.1	N1-040036	Summary of current IETF documents on MMUSIC	Lucent Technologies / Keith Drage				IMS-CCR				INFO		NOTED
.1	N1-040037	Summary of current IETF documents on SIMPLE	Lucent Technologies / Keith Drage				PRESNC		Rel-6		INFO		NOTED
.1	N1-040038	Draft 3GPP TR 24.841 "Presence based on SIP; Functional models, information flows and protocol details"	Lucent Technologies / Keith Drage	24.841			PRESNC	1.2.0	Rel-6		TR		NOTED
.1	N1-040039	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
.1	N1-040040	Presence WID open issues list	Lucent Technologies / Keith Drage				PRESNC		Rel-6		INFO		NOTED
.1	N1-040041	Summary of current IETF documents on XCON	Lucent Technologies / Keith Drage				IMS2		Rel-6		INFO		NOTED
.2	N1-040042	CR to 24.841: Inclusion of annex A intro clauses	Lucent Technologies / Keith Drage	24.841			PRESNC	1.2.0	Rel-6		CR		REVISED TO 183
.2	N1-040043	CR to 24.841: Harmonisation of flow content descriptions	Lucent Technologies / Keith Drage	24.841			PRESNC	1.2.0	Rel-6		CR		REVISED TO 182
.2	N1-040044	CR to 24.841: Alternative option of PSI routeing	Lucent Technologies / Keith Drage	24.841			PRESNC	1.2.0	Rel-6		CR		AGREED
.2	N1-040045	CR to 24.841: Editorial issues	Lucent Technologies / Keith	24.841			PRESNC	1.2.0	Rel-6		CR		AGREED

			Drage										
.2	N1-040046	CR to 24.841: Correction of PIDF flows	Lucent Technologies / Keith Drage	24.841			PRESNC	1.2.0	Rel-6		CR		AGREED
.2	N1-040047	CR to 24.841: media type for PDIF presence document	Lucent Technologies / Keith Drage	24.841			PRESNC	1.2.0	Rel-6		CR		AGREED
.5	N1-040048	CR to 24.234: Editorial issues	Lucent Technologies / Keith Drage	24.234			WLAN	0.2.0	Rel-6		CR		AGREED
.3.	N1-040049	CR to 29.847: Editorial issues	Lucent Technologies / Keith Drage	29.847			IMS2	1.1.0	Rel-6	D	CR		AGREED
.3.	N1-040050	CR to 29.847: Usage and procedures for "isfocus" feature parameter	Lucent Technologies / Keith Drage	29.847			IMS2	1.1.0	Rel-6	D	CR		AGREED
.3.	N1-040051	UE to UE message session flow	Lucent Technologies / Milo Orsic	24.247			IMS2	0.2.1	Rel-6	B	CR		REVISED TO 155
.3.	N1-040052	Message session initiation - mobile originating case	Lucent Technologies / Milo Orsic	24.247			IMS2	0.2.1	Rel-6	B	CR		REVISED TO 156
.3.	N1-040053	Message session initiation - mobile terminating case	Lucent Technologies / Milo Orsic	24.247			IMS2	0.2.1	Rel-6	B	CR		REVISED TO 157
.3.	N1-040054	UE requesting no-fork	Lucent Technologies / Milo Orsic	24.229	578		IMS2	6.1.0	Rel-6	B	CR		REVISED TO 184
.3.	N1-040055	An analysis of the requirements of the Accept-Contact header	Lucent Technologies / Keith Drage				IMS2		Rel-6		DISC		Not available
.3.	N1-040056	An analysis of the requirements of the Reject-Contact header	Lucent Technologies / Keith Drage				IMS2		Rel-6		DISC		Not available
.3.	N1-040057	An analysis of the requirements of the Request-Disposition header	Lucent Technologies / Keith Drage				IMS2		Rel-6		DISC		Not available
.3.	N1-040058	Inclusion of caller preferences into profile	Lucent Technologies / Keith Drage	24.229	579		IMS2	6.1.0	Rel-6	B	CR		Not available
.5	N1-040059	TS 24.234: WLAN access parameters moved from TS 24.234 to TS 23.003	Nokia/Inma	24.234			WLAN	0.2.0	Rel-6		CR		REVISED TO 166
.5	N1-040060	WLAN access parameters moved from TS 24.234 to TS 23.003	Nokia/Inma	23.003	084		WLAN	6.1.0	Rel-6	B	CR		REVISED TO 164

.5	N1-040061	TS 24.234: WLAN TS 24.234: Parameters	Nokia/Inma	24.234			WLAN	0.2.0	Rel-6		CR		REVISED TO 167
.5	N1-040062	TS 24.234: I-WLAN Selection	Nokia/Inma	24.234			WLAN	0.2.0	Rel-6		CR		REVISED TO 169
.2	N1-040063	Correction of wording in authorization procedure	Siemens	24.841			PRESNC	1.2.0	Rel-6		CR		REVISED TO 139
.2	N1-040064	Correction of layout of Security-Verify header	Siemens	24.841			PRSNC	1.2.0	Rel-6		CR		AGREED
.2	N1-040065	Editorial - Resource List vs. Presence List	Siemens	24.841			PRSNC	1.2.0	Rel-6		CR		REVISED TO 140
.3.	N1-040066	Tidy-up of SDP usage	Siemens	29.847			IMS2	1.1.0	Rel-6		CR		AGREED
.3.	N1-040067	Flow for session based messaging w/o precond	Siemens	24.247			IMS2	0.2.1	Rel-6		CR		NOTED
.3.	N1-040068	Correction of flow for session based messaging	Siemens	24.247			IMS2	0.2.1	Rel-6		CR		WITHDRAWN
.4	N1-040069	Verification of UE Bearer Capabilities	Siemens	29.846			MBMS	1.0.0	Rel-6		CR		POSTPONED
.4	N1-040070	Protocol for MBMS Session Management	Siemens				MBMS				DISC		NOTED
.3.	N1-040071	Removing another user from a conference (flow)	Siemens AG	29.847			IMS2	1.1.0	Rel-6		CR		REVISED TO 147
.2	N1-040072	References update	Nokia	24.841			PRESNC	1.2.0	Rel-6		CR		WITHDRAWN
.2	N1-040073	Roles	Nokia	24.841			PRESNC	1.2.0	Rel-6		CR	Not presented.	REVISED TO 141
.2	N1-040074	Ut interface	Nokia	24.841			PRESNC	1.2.0	Rel-6		CR	Not presented.	REVISED TO 142
.2	N1-040075	Precence information	Nokia	24.841			PRESNC	1.2.0	Rel-6		CR		REVISED TO 144
.2	N1-040076	Other	Nokia	24.841			PRESNC	1.2.0	Rel-6		CR		REVISED TO 145
.2	N1-040077	AnnexB	Nokia	24.841			PRESNC	1.2.0	Rel-6		CR	Not available.	REVISED TO 143
.2	N1-040078	On behalf of flow	Nokia	24.841			PRESNC	1.2.0	Rel-6		CR		REVISED TO 146
.8	N1-040079	24.abc skeleton	Nokia	24.abc					Rel-6		CR		REVISED TO 173
.8	N1-040080	Text to section 4.1	Nokia	24.abc					Rel-6		CR		AGREED
.8	N1-040081	Text to section 4.2	Nokia	24.abc					Rel-6		CR		REVISED TO 174
.8	N1-040082	Text to section 4.3	Nokia	24.abc					Rel-6		CR		REVISED TO 175

.8	N1-040083	Text to section 4.4	Nokia	24.abc					Rel-6		CR		POSTPONED
.8	N1-040084	Text to section 4.5	Nokia	24.abc					Rel-6		CR		REVISED TO 176
.8	N1-040085	Text to section 5	Nokia	24.abc					Rel-6		CR		REVISED TO 177
.8	N1-040086	XML schema	Nokia	24.abc					Rel-6		CR		POSTPONED
.3.	N1-040087	CSCF status info	Nokia	24.229			IMS2	5.7.0	Rel-6		DISC		NOTED
.3.	N1-040088	Sending authentication challenge	Nokia	24.229	580		IMS2	5.7.0	Rel-6	F	CR		POSTPONED
.3.	N1-040089	Sending authentication challenge	Nokia	24.229	581		IMS2	6.1.0	Rel-6	A	CR		POSTPONED
.3.	N1-040090	DoS attack	Nokia	24.229	582		IMS2	6.1.0	Rel-6	B	CR		POSTPONED
.3.	N1-040091	Dh Interface	Nokia	23.218	064		IMS2	6.0.0	Rel-6		CR		REVISED TO 158
.3.	N1-040092	Session based Messaging current architectural status	RIM								DISC		NOTED
.3.	N1-040093	Message Sessions in IMS	RIM	24.247			IMS2	0.2.1	Rel-6	B	CR		REVISED TO 151
.5	N1-040094	TS 24.234: WLAN PLMN Selection	Nokia/Inma	24.234			WLAN	0.2.0	Rel-6		CR		REVISED TO 171
.5	N1-040095	TS 24.234: Terminology update	Nokia/Inma	24.234			WLAN	0.2.0	Rel-6		CR		REJECTED
.7	N1-040096	Proposed WID for Network Sharing stage 3	TeliaSonera				NTShar		Rel-6		WID		REVISED TO 172
.7	N1-040097	CN impacts of Network Sharing in Rel 6	TeliaSonera				NTShar		Rel-6		DISC		NOTED
.3.	N1-040098	Text Proposal for definition of conferencing based on SIP, SDP, and other protocols (for TR 29.847)	Samsung	29.847			IMS2	1.1.0	Rel-6		CR	Not available.	WITHDRAWN
.3.	N1-040099	Text Proposal for definition of messaging service using the IP Im core network (for TS 24.247)	Samsung	24.247			IMS2	0.2.1	Rel-6		CR		REVISED TO 152
.5	N1-040100	WLAN authentication and authorization protocols	Ericsson				WLAN				DISC		NOTED
.4	N1-040101	TR 29.846: MBMS Multicast Service Deactivation Update	Ericsson	29.846			MBMS	1.0.0	Rel-6		CR		AGREED
	N1-040102	LS on paging coordination for MBMS and other services	RAN2								LS IN	R2-040329, To: SA2, Cc: SA1, GERAN2, RAN3, CN1,	NOTED
	N1-	Reply LS on	RAN2								LS IN	R2-040354,	NOTED

	040103	Optimisation of Voice over IMS										To: SA2, SA4, Cc: CN1, RAN3,	
	N1-040104	Reply LS on Further questions on Service Id needs in the Access	RAN2								LS IN	R2-040355, To: SA2, Cc: GERAN2, CN1,	NOTED
	N1-040105	LS on Revised proposal on Handling of RRC connected PMM Idle users	RAN3								LS IN	R3-040164, To: SA2, Cc: RAN2, CN1,	NOTED
	N1-040106	LS on 'RNC-based filtering and RA-based filtering options for MBMS'.	RAN3								LS IN	R3-040181, To: SA2, Cc: CN1, RAN2,	NOTED
	N1-040107	Response LS on handling of PMM-IDLE mode UE in CS call	SA2								LS IN	S2-040053, To: RAN2, RAN3, Cc: CN1,	NOTED
	N1-040108	LS on the SIP NOTIFY message carrying the reason for deregistration	SA2								LS IN	S2-040439, To: CN1, Cc: ,	LS OUT in 137
	N1-040109	Reply LS on WLAN requirements	SA2								LS IN	S2-040461, To: CN1, Cc: ,	NOTED
	N1-040110	Reply LS on the harmonization of ISIM for 3GPP2	SA2								LS IN	S2-040469, To: T3, Cc: 3GPP2 TSG-C, CN1,	NOTED
	N1-040111	Reply to LS on Explicit Data Volume Reporting in RNC	SA5								LS IN	S5-044042, To: SA2, RAN3, Cc: CN1,	NOTED
.3.	N1-040112	24.847: Reducing text in flows	Nokia / Georg	29.847			IMS2	1.1.0	Rel-6		CR		REVISED TO 148
.3.	N1-040113	S-CSCF and P-CSCF Re-Selection	Nokia / Georg								DISC		NOTED
.3.	N1-040114	S-CSCF and P-CSCF Re-Selection	Nokia / Georg	24.229	583		IMS2	6.1.0	Rel-6	F	CR		REVISED TO 159
.3.	N1-040115	24.847: Replaces Header for Three-Way Sessions	Nokia / Georg	29.847			IMS2	1.1.0	Rel-6		CR		Not available
.3.	N1-040116	29.847: Referred-By header for Conferences	Nokia / Georg	29.847			IMS2	1.1.0	Rel-6		CR		REVISED TO 149
.3.	N1-040117	29.847: PSI Routing Update	Nokia / Georg	29.847			IMS2	1.1.0	Rel-6		CR		Not available
.3.	N1-040118	29.847: Charging for Conferencing	Nokia / Georg	29.847			IMS2	1.1.0	Rel-6		CR		Not available
.3.	N1-040119	29.847 Flow: MRFC Referring a User to a Conference	Nokia / Georg	29.847			IMS2	1.1.0	Rel-6		CR		Not available
.5	N1-040120	Removal of reference to the Wx reference point	Ericsson / A Monrad	24.234			WLAN	0.2.0	Rel-6		CR		REVISED TO 168

.3.	N1-040121	Definition and terminology of immediate messaging and session based messaging	Ericsson / A Monrad	24.247			IMS2	0.2.1	Rel-6		CR		REJECTED
.3.	N1-040122	Use of MESSAGE versus MSRP	Ericsson / A Monrad	24.247			IMS2	0.2.1	Rel-6		CR		REVISED TO 154
.3.	N1-040123	Correction of flow A.4 in 24.247	Ericsson / A Monrad	24.247			IMS2	0.2.1	Rel-6		CR		WITHDRAWN
.3.	N1-040124	CR to 29.847: Alternative option of PSI routeing	Lucent Technologies / Keith Drage	29.847			PRESNC	1.1.0	Rel-6	D	CR		AGREED
.3.	N1-040125	Conference service overview correction	Siemens AG	29.847			IMS2	1.1.0	Rel-6		CR		AGREED
.3.	N1-040126	Correction of annex A headlines	Siemens AG	29.847			IMS2	1.1.0	Rel-6		CR		REVISED TO 150
.4	N1-040127	MBMS messages	Ericsson LM				MBMS		Rel-6		DISC		NOTED
	N1-040128	Reply LS on emergency calls	SA1								LS IN	S1-040133, To: CN1, Cc: SA2,	NOTED
	N1-040129	LS on emergency call enhancements for IP & PS based calls	SA1								LS IN	S1-040136, To: CN1, T3, Cc: SA2,	NOTED
	N1-040130	Response to CN1 LS on WLAN requirements	SA1								LS IN	S1-040163, To: CN1, SA2 Cc: T3,	NOTED
	N1-040131	Reply LS on paging co-ordination for MBMS and other services	SA1								LS IN	S1-040182, To: SA2, GERAN2, RAN2, RAN3,CN1, Cc: ,	NOTED
	N1-040132	LS on Network Selection	SA1								LS IN	S1-040201, To: CN1, Cc: GERAN, RAN2, RAN,	NOTED
	N1-040133	Preferred Roaming List for 3GPP2 Multi-mode Terminal	SA1								LS IN	S1-040208, To: 3GPP2 TSG-C, SA2, CN1, GERAN1, RAN2, Cc: ,	LS OUT in 138
	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 to CN1#33
	N1-040135	Reply to Further questions on Service Id needs in the Access	Andrew H./Motorola								LS OUT	Response to 022. To: SA2, Cc: GERAN2, RAN2	AGREED
	N1-040136	LS on SBLP handling of Session modification without adding or removing media lines	Duncan M. / Vodafone								LS OUT	Response to 009. To: CN3, Cc: ,	REVISED TO 185

	N1-040137	LS on the SIP NOTIFY message carrying the reason for deregistration	Keith D. / Lucent								LS OUT	Response to 108. To: SA2, Cc: ,	AGREED
	N1-040138	Reply to Preferred Roaming List for 3GPP2 Multi-mode Terminal	Andrew H. / Motorola								LS OUT	Response to 133. To: SA1, Cc: SA2, GERAN1, RAN2	AGREED
.2	N1-040139	Correction of wording in authorization procedure	Siemens	24.841			PRESNC	1.2.0	Rel-6		CR	Revised from 063	AGREED
.2	N1-040140	Editorial - Resource List vs. Presence List	Siemens	24.841			PRSNC	1.2.0	Rel-6		CR	Revised from 065	AGREED
.2	N1-040141	Roles	Nokia	24.841			PRESNC	1.2.0	Rel-6		CR	Revised from 073	REVISED TO 178
.2	N1-040142	Ut interface	Nokia	24.841			PRESNC	1.2.0	Rel-6		CR	Revised from 074	REVISED TO 179
.2	N1-040143	AnnexB	Nokia	24.841			PRESNC	1.2.0	Rel-6		CR	Revised from 077	REVISED TO 181
.2	N1-040144	Precence information	Nokia	24.841			PRESNC	1.2.0	Rel-6		CR	Revised from 075	AGREED
.2	N1-040145	Other	Nokia	24.841			PRESNC	1.2.0	Rel-6		CR	Revised from 076	REVISED TO 186
.2	N1-040146	On behalf of flow	Nokia	24.841			PRESNC	1.2.0	Rel-6		CR	Revised from 078	REVISED TO 187
.3.	N1-040147	Removing another user from a conference (flow)	Siemens AG	29.847			IMS2	1.1.0	Rel-6		CR	Revised from 071	AGREED
.3.	N1-040148	24.847: Reducing text in flows	Nokia / Georg	29.847			IMS2	1.1.0	Rel-6		CR	Revised from 112	AGREED
.3.	N1-040149	29.847: Referred-By header for Conferences	Nokia / Georg	29.847			IMS2	1.1.0	Rel-6		CR	Revised from 116	REVISED TO 188
.3.	N1-040150	Correction of annex A headlines	Siemens AG	29.847			IMS2	1.1.0	Rel-6		CR	Revised from 126	AGREED
.3.	N1-040151	Message Sessions in IMS	RIM	24.247			IMS2	0.2.1	Rel-6	B	CR	Revised from 093	AGREED
.3.	N1-040152	Text Proposal for definition of messaging service using the IP Im core network (for TS 24.247)	Samsung	24.247			IMS2	0.2.1	Rel-6		CR	Revised from 099	REVISED TO 189
	N1-040153	LS on terminology for messaging	Atle M. / Ericsson				IMS2		Rel-6		LS OUT	Related to 121. To: SA1, Cc: SA2,	REVISED TO 196
.3.	N1-040154	Use of MESSAGE versus MSRP	Ericsson / A Monrad	24.247			IMS2	0.2.1	Rel-6		CR	Revised from 122	REVISED TO 200
.3.	N1-040155	UE to UE message session flow	Lucent Technologies / Milo Orsic	24.247			IMS2	0.2.1	Rel-6	B	CR	Revised from 051	REVISED TO 197
.3.	N1-	Message session	Lucent	24.247			IMS2	0.2.	Rel-6	B	CR	Revised from	REVISE

	040156	initiation - mobile originating case	Technologies / Milo Orsic					1				052	D TO 198
.3.	N1-040157	Message session initiation - mobile terminating case	Lucent Technologies / Milo Orsic	24.247			IMS2	0.2.1	Rel-6	B	CR	Revised from 053	REVISED TO 199
.3.	N1-040158	Dh Interface	Nokia	23.218	064	1	IMS2	6.0.0	Rel-6	B	CR	Revised from 091	AGREED
.3.	N1-040159	S-CSCF Re-Selection	Nokia / Georg	24.229	583	1	IMS2	6.1.0	Rel-6	F	CR	Revised from 114	POSTPONED
	N1-040160	LS on MBMS UE bearer capabilities	Christian H. / Ericsson				MBMS		Rel-6		LS OUT	Related to 069. To: SA2, Cc: ,	AGREED
	N1-040161	LS on paging coordination for MBMS and other services	Robert Z. / Siemens				MBMS		Rel-6		LS OUT	Response to 029. To: SA2, Cc: GERAN2,	AGREED
	N1-040162	Reply LS on Parameters and files for WLAN interworking	Inma C. / Nokia				WLAN		Rel-6		LS OUT	Response to 033. To: T3, SA3, Cc: ,	AGREED
	N1-040163	LS on WLAN authentication and authorization	Inma C. / Nokia, Christian H. / Ericsson				WLAN		Rel-6		LS OUT	Related to 100. To: SA3, Cc: SA2,	AGREED
.5	N1-040164	WLAN access parameters moved from TS 24.234 to TS 23.003	Nokia/Inma	23.003	084	1	WLAN	6.1.0	Rel-6	B	CR	Revised from 060	REVISED TO 190
	N1-040165	LS on WLAN access parameters to TS 23.003	Inma C. / Nokia				WLAN				LS OUT	Related to 060. To: CN4, Cc: SA2,	REVISED TO 201
.5	N1-040166	TS 24.234: WLAN access parameters moved from TS 24.234 to TS 23.003	Nokia/Inma	24.234			WLAN	0.2.0	Rel-6		CR	Revised from 059	REVISED TO 192
.5	N1-040167	TS 24.234: WLAN TS 24.234: Parameters	Nokia/Inma	24.234			WLAN	0.2.0	Rel-6		CR	Revised from 061	REVISED TO 191
.5	N1-040168	Removal of reference to the Wx reference point	Ericsson / A Monrad	24.234			WLAN	0.2.0	Rel-6		CR	Revised from 120	REVISED TO 193
.5	N1-040169	TS 24.234: I-WLAN Selection	Nokia/Inma	24.234			WLAN	0.2.0	Rel-6		CR	Revised from 062	REVISED TO 194
	N1-040170	LS on I-WLAN Selection	Inma C. / Nokia				WLAN		Rel-6		LS OUT	Related to 062 and 109. To: SA2, Cc: ,	REVISED TO 202
.5	N1-040171	TS 24.234: WLAN PLMN Selection	Nokia/Inma	24.234			WLAN	0.2.0	Rel-6		CR	Revised from 094	REVISED TO 195
.7	N1-040172	Proposed WID for Network Sharing stage 3	TeliaSonera				NTShar		Rel-6		WID	Revised from 096	AGREED
.8	N1-	24.abc skeleton	Nokia	24.abc					Rel-6		CR	Revised from	AGREE

	040173											079	D
.8	N1-040174	Text to section 4.2	Nokia	24.abc					Rel-6		CR	Revised from 081	AGREED
.8	N1-040175	Text to section 4.3	Nokia	24.abc					Rel-6		CR	Revised from 082	AGREED
.8	N1-040176	Text to section 4.5	Nokia	24.abc					Rel-6		CR	Revised from 084	AGREED
.8	N1-040177	Text to section 5	Nokia	24.abc					Rel-6		CR	Revised from 085	AGREED
.2	N1-040178	Roles	Nokia	24.841			PRESNC	1.2.0	Rel-6		CR	Revised from 073 and 141	AGREED
.2	N1-040179	Ut interface	Nokia	24.841			PRESNC	1.2.0	Rel-6		CR	Revised from 074 and 142	AGREED
.3.	N1-040180	P-CSCF Re-selection	Nokia / Georg	24.229	584		IMS2	6.1.0	Rel-6	F	CR	Linked to 114 and159	POSTPONED
.2	N1-040181	AnnexB	Nokia	24.841			PRESNC	1.2.0	Rel-6		CR	Revised from 077 and 143	AGREED
.2	N1-040182	CR to 24.841: Harmonisation of flow content descriptions	Lucent Technologies / Keith Drage	24.841			PRESNC	1.2.0	Rel-6		CR	Revised from 043	AGREED
.2	N1-040183	CR to 24.841: Inclusion of annex A intro clauses	Lucent Technologies / Keith Drage	24.841			PRESNC	1.2.0	Rel-6		CR	Revised from 042	AGREED
.3.	N1-040184	UE requesting no-fork	Lucent Technologies / Milo Orsic	24.229	578	1	IMS2	6.1.0	Rel-6	B	CR	Revised from 054	AGREED
	N1-040185	LS on SBLP handling of Session modification without adding or removing media lines	Duncan M. / Vodafone								LS OUT	Response to 009. To: CN3, Cc: , Revised from 136.	AGREED
.2	N1-040186	Other	Nokia	24.841			PRESNC	1.2.0	Rel-6		CR	Revised from 076 and 145	AGREED
.2	N1-040187	On behalf of flow	Nokia	24.841			PRESNC	1.2.0	Rel-6		CR	Revised from 078 and 146	AGREED
.3.	N1-040188	29.847: Referred-By header for Conferences	Nokia / Georg	29.847			IMS2	1.1.0	Rel-6		CR	Revised from 116 and 149	AGREED
.3.	N1-040189	Text Proposal for definition of messaging service using the IP Im core network (for TS 24.247)	Samsung	24.247			IMS2	0.2.1	Rel-6		CR	Revised from 099 and 152	AGREED
.5	N1-040190	WLAN access parameters moved from TS 24.234 to TS 23.003	Nokia/Inma	23.003	084	2	WLAN	6.1.0	Rel-6	B	CR	Revised from 060 and 164	NOTED
.5	N1-040191	TS 24.234: WLAN TS 24.234: Parameters	Nokia/Inma	24.234			WLAN	0.2.0	Rel-6		CR	Revised from 061 and 167	AGREED
.5	N1-040192	TS 24.234: WLAN access parameters moved from TS 24.234 to TS 23.003	Nokia/Inma	24.234			WLAN	0.2.0	Rel-6		CR	Revised from 059 and 166	AGREED
.5	N1-040193	Removal of reference to the Wx reference point	Ericsson / A Monrad	24.234			WLAN	0.2.0	Rel-6		CR	Revised from 120 and 168	AGREED
.5	N1-	TS 24.234: I-WLAN	Nokia/Inm	24.234			WLAN	0.2.	Rel-6		CR	Revised from	AGREE

	040194	Selection	a					0				062 and 169	D
.5	N1-040195	TS 24.234: WLAN PLMN Selection	Nokia/Inma	24.234			WLAN	0.2.0	Rel-6		CR	Revised from 094 and 171	AGREED
	N1-040196	LS on terminology for messaging	Atle M. / Ericsson				IMS2		Rel-6		LS OUT	Related to 121. To: SA1, Cc: SA2, Revised from 153.	AGREED
.3.	N1-040197	UE to UE message session flow	Lucent Technologies / Milo Orsic	24.247			IMS2	0.2.1	Rel-6	B	CR	Revised from 051 and 155	AGREED
.3.	N1-040198	Message session initiation - mobile originating case	Lucent Technologies / Milo Orsic	24.247			IMS2	0.2.1	Rel-6	B	CR	Revised from 052 and 156	AGREED
.3.	N1-040199	Message session initiation - mobile terminating case	Lucent Technologies / Milo Orsic	24.247			IMS2	0.2.1	Rel-6	B	CR	Revised from 053 and 157	AGREED
.3.	N1-040200	Use of MESSAGE versus MSRP	Ericsson / A Monrad	24.247			IMS2	0.2.1	Rel-6		CR	Revised from 122 and 154	AGREED
	N1-040201	LS on WLAN access parameters to TS 23.003	Inma C. / Nokia				WLAN				LS OUT	Related to 060. To: CN4, Cc: SA2, Revised from 165	AGREED
	N1-040202	LS on I-WLAN Selection	Inma C. / Nokia				WLAN		Rel-6		LS OUT	Related to 062 and 109. To: SA2, Cc: SA1, Revised from 170.	REVISED TO 203
	N1-040203	LS on I-WLAN Selection	Inma C. / Nokia				WLAN		Rel-6		LS OUT	Related to 062 and 109. To: SA2, Cc: SA1, Revised from 170 and 202.	AGREED

Annex E Liaison Statements OUT (11)

Type	TDoc #	Status	Source	Tdoc Title	WI	Rel	Comments
LS OUT	N1-040135	AGREED	Andrew H./Motorola	Reply to Further questions on Service Id needs in the Access			Response to 022. To: SA2, Cc: GERAN2, RAN2
LS OUT	N1-040137	AGREED	Keith D. / Lucent	LS on the SIP NOTIFY message carrying the reason for deregistration			Response to 108. To: SA2, Cc: ,
LS OUT	N1-040138	AGREED	Andrew H. / Motorola	Reply to Preferred Roaming List for 3GPP2 Multi-mode Terminal			Response to 133. To: SA1, Cc: SA2, GERAN1, RAN2

LS OUT	N1-040160	AGREED	Christian H. / Ericsson	LS on MBMS UE bearer capabilities	MBMS	Rel-6	Related to 069. To: SA2, Cc: ,
LS OUT	N1-040161	AGREED	Robert Z. / Siemens	LS on paging coordination for MBMS and other services	MBMS	Rel-6	Response to 029. To: SA2, Cc: GERAN2,
LS OUT	N1-040162	AGREED	Inma C. / Nokia	Reply LS on Parameters and files for WLAN interworking	WLAN	Rel-6	Response to 033. To: T3, SA3, Cc: ,
LS OUT	N1-040163	AGREED	Inma C. / Nokia, Christian H. / Ericsson	LS on WLAN authentication and authorization	WLAN	Rel-6	Related to 100. To: SA3, Cc: SA2,
LS OUT	N1-040185	AGREED	Duncan M. / Vodafone	LS on SBLP handling of Session modification without adding or removing media lines			Response to 009. To: CN3, Cc: , Revised from 136.
LS OUT	N1-040196	AGREED	Atle M. / Ericsson	LS on terminology for messaging	IMS2	Rel-6	Related to 121. To: SA1, Cc: SA2, Revised from 153.
LS OUT	N1-040201	AGREED	Inma C. / Nokia	LS on WLAN access parameters to TS 23.003	WLAN		Related to 060. To: CN4, Cc: SA2, Revised from 165
LS OUT	N1-040203	AGREED	Inma C. / Nokia	LS on I-WLAN Selection	WLAN	Rel-6	Related to 062 and 109. To: SA2, Cc SA1: , Revised from 170 and 202.

Annex F Ageed Work Items (1)

Meeting	Status	TDoc #	Source	Tdoc Title	Type	WI
N1-32bis	AGREED	N1-040172	TeliaSonera	Proposed WID for Network Sharing stage 3	WID	NTShar

Annex G Agreed specifications (TS or TR)

None

Annex H List of CRs to N1 drafts (43)

Status	Spec	TDoc #	Tdoc Title	C_Ver	Type	WI	Rel
AGREED	24.234	N1-040048	CR to 24.234: Editorial issues	0.2.0	CR	WLAN	Rel-6
AGREED	24.234	N1-040191	TS 24.234: WLAN TS 24.234: Parameters	0.2.0	CR	WLAN	Rel-6
AGREED	24.234	N1-040192	TS 24.234: WLAN access parameters moved from TS 24.234 to TS 23.003	0.2.0	CR	WLAN	Rel-6
AGREED	24.234	N1-040193	Removal of reference to the Wx reference point	0.2.0	CR	WLAN	Rel-6
AGREED	24.234	N1-040194	TS 24.234: I-WLAN Selection	0.2.0	CR	WLAN	Rel-6
AGREED	24.234	N1-040195	TS 24.234: WLAN PLMN Selection	0.2.0	CR	WLAN	Rel-6
AGREED	24.247	N1-040151	Message Sessions in IMS	0.2.1	CR	IMS2	Rel-6
AGREED	24.247	N1-040189	Text Proposal for definition of messaging service using the IP Im core network (for TS 24.247)	0.2.1	CR	IMS2	Rel-6
AGREED	24.247	N1-040197	UE to UE message session flow	0.2.1	CR	IMS2	Rel-6
AGREED	24.247	N1-040198	Message session initiation - mobile originating case	0.2.1	CR	IMS2	Rel-6
AGREED	24.247	N1-040199	Message session initiation - mobile terminating case	0.2.1	CR	IMS2	Rel-6
AGREED	24.247	N1-040200	Use of MESSAGE versus MSRP	0.2.1	CR	IMS2	Rel-6
AGREED	24.841	N1-040044	CR to 24.841: Alternative option of PSI routeing	1.2.0	CR	PRESNC	Rel-6
AGREED	24.841	N1-040045	CR to 24.841: Editorial issues	1.2.0	CR	PRESNC	Rel-6
AGREED	24.841	N1-040046	CR to 24.841: Correction of PIDF flows	1.2.0	CR	PRESNC	Rel-6

AGREED	24.841	N1-040047	CR to 24.841: media type for PDIF presence document	1.2.0	CR	PRESNC	Rel-6
AGREED	24.841	N1-040064	Correction of layout of Security-Verify header	1.2.0	CR	PRSNC	Rel-6
AGREED	24.841	N1-040139	Correction of wording in authorization procedure	1.2.0	CR	PRESNC	Rel-6
AGREED	24.841	N1-040140	Editorial - Resource List vs. Presence List	1.2.0	CR	PRSNC	Rel-6
AGREED	24.841	N1-040144	Precence information	1.2.0	CR	PRESNC	Rel-6
AGREED	24.841	N1-040178	Roles	1.2.0	CR	PRESNC	Rel-6
AGREED	24.841	N1-040179	Ut interface	1.2.0	CR	PRESNC	Rel-6
AGREED	24.841	N1-040181	AnnexB	1.2.0	CR	PRESNC	Rel-6
AGREED	24.841	N1-040182	CR to 24.841: Harmonisation of flow content descriptions	1.2.0	CR	PRESNC	Rel-6
AGREED	24.841	N1-040183	CR to 24.841: Inclusion of annex A intro clauses	1.2.0	CR	PRESNC	Rel-6
AGREED	24.841	N1-040186	Other	1.2.0	CR	PRESNC	Rel-6
AGREED	24.841	N1-040187	On behalf of flow	1.2.0	CR	PRESNC	Rel-6
AGREED	29.846	N1-040101	TR 29.846: MBMS Multicast Service Deactivation Update	1.0.0	CR	MBMS	Rel-6
AGREED	29.847	N1-040049	CR to 29.847: Editorial issues	1.1.0	CR	IMS2	Rel-6
AGREED	29.847	N1-040050	CR to 29.847: Usage and procedures for "isfocus" feature parameter	1.1.0	CR	IMS2	Rel-6
AGREED	29.847	N1-040066	Tidy-up of SDP usage	1.1.0	CR	IMS2	Rel-6

AGREED	29.847	N1-040124	CR to 29.847: Alternative option of PSI routeing	1.1.0	CR	PRESNC	Rel-6
AGREED	29.847	N1-040125	Conference service overview correction	1.1.0	CR	IMS2	Rel-6
AGREED	29.847	N1-040147	Removing another user from a conference (flow)	1.1.0	CR	IMS2	Rel-6
AGREED	29.847	N1-040148	24.847: Reducing text in flows	1.1.0	CR	IMS2	Rel-6
AGREED	29.847	N1-040150	Correction of annex A headlines	1.1.0	CR	IMS2	Rel-6
AGREED	29.847	N1-040188	29.847: Referred-By header for Conferences	1.1.0	CR	IMS2	Rel-6

Status	Spec??	TDoc #	Tdoc Title	C_Ver	Type	WI	Rel
AGREED	24.abc	N1-040080	Text to section 4.1		CR		Rel-6
AGREED	24.abc	N1-040173	24.abc skeleton		CR		Rel-6
AGREED	24.abc	N1-040174	Text to section 4.2		CR		Rel-6
AGREED	24.abc	N1-040175	Text to section 4.3		CR		Rel-6
AGREED	24.abc	N1-040176	Text to section 4.5		CR		Rel-6
AGREED	24.abc	N1-040177	Text to section 5		CR		Rel-6