

**3GPP TSG CN Plenary Meeting #16**  
**5th - 7th June 2002. Marco Island, USA.**

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**21.05.2002**

**Meeting Report**  
**TSG CN WG1# SIPadhoc0204**  
**Madrid, Spain**  
**23 - 25 April 2002**

Chairman: Kevan Hobbis (H3g)

Secretary: Per Johan Jorgensen (ETSI/MCC)

Host: Telefonica, Ericsson

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Documents can be found on the 3GPP-server:

[http://www.3gpp.org/ftp/tsg\\_cn/WG1\\_mm-cc-sm/Ad-hoc-CN1-meetings/TSGN1\\_SIPadhoc0204/Docs/](http://www.3gpp.org/ftp/tsg_cn/WG1_mm-cc-sm/Ad-hoc-CN1-meetings/TSGN1_SIPadhoc0204/Docs/)

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## 1 Opening of the meeting. Calls for IPRs

The delegates were welcomed and informed on the logistics, with eg. a social event on Wednesday evening.

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

## 2 Agenda and Reports

**N1-020973** : CN1 chairman, Title: Agenda (Madrid0204)

**Discussion** : This will continue as a living document in the doc Madrid0204.

Joint meeting with SA2 (CN1 meeting point 6) will take place Wednesday 24/04 at 09:00 and latest end at 12:00.

Only tdoc 1038 is going to the joint meeting besides the LS sent to SA2 in 947.

This meeting can not agree any CRs , but the intention is to provide an ‘agreed’ package of CRs to be agreed en bloc in CN1#24, ie ‘agreed’ on a document in this minutes means provisionally agreement and any of the ‘agreed’ CRs can be reopened in CN1#24 on request.

**Conclusion** : *Agreed*

## 3 Input Liaison Statements

**N1-020974** : N3-020356, To: CN1, SA2, SA5 , Type: LS IN, Title: LS on Multiple Codecs

**Discussion** : Will require a CN1 answer. Proposes authorisation for multiple codecs based on highest bandwidth requirement. Relates to the offer/answer model ? May be influenced by the joint meeting discussion with SA2?

Forwarded to the joint meeting agenda item. CN1 has not made any decisions in this area yet.

**Forwarded to agenda item 6.** No problem was identified in CN1 after the joint meeting so no response needed.

**Conclusion**: *Noted*

**N1-020975** : N3-020361, To: SA2, CC:CN, CN1, CN2, SA3, SA5,T, T1, T2, Type: LS IN, Title: Liaison Statement on "IPv6 update of stage 3 specifications"

**Discussion** : Forward to CN1#24 as it has only R99/R4 implications.

**Conclusion**: *Forwarded to CN1#24*

**N1-020976** : N3-020362, To: SA2, CC:CN1 , Type: LS IN, Title: Liaison Statement on “Mapping rules for authorisation”

**Discussion** : Outside the scope for CN1 now.

**Conclusion**: *Noted*

**N1-020977** : N4-020532, To: SA5, CC: CN1, Type: LS IN, Title: Liaison Statement on TS 23.008: Organisation of subscriber data

**Discussion** : Related to N1-020980. Basically CN4 responsibility.

**Conclusion**: *Noted*

**N1-020978** : R2-020796, To: CN4, CC: SA5, SA3, GERAN2, RAN3, CN1, Type: LS IN, Title: Response to LS (N4-020302) on Trace and Availability of IMSI and IMEI

**Discussion** : Outside the scope for IMS.

**Conclusion**: *Forwarded to CN1#24*

**N1-020979** : S5-022008, To: SA1, SA3, CC: CN1, CN4, T2, T3, Type: LS IN, Title: Reply LS on "support for subscriber certificates" from SA3 (S3-020163)

**Discussion** : Release 6 issue is out of scope of this meeting. Forward to CN1#24.

**Conclusion: Forwarded to CN1#24**

**N1-020980** : S5-022016, To: CN1, CC: S2 GUP, CN4, SA2, SA1, Type: LS IN, Title: Liaison Statement on TS 23.008 Organization of subscriber data

**Discussion** : 23.008 is a CN4 document – why is this addressed to CN1 ? Reply from CN4 is in N1-020977. Basically CN4 responsibility.

**Conclusion: Noted**

**N1-020981** : S5-022017, To: T2, SA3, SA4, CN1, CN4, CN5, T3, S2, CC: SA1, Type: LS IN, Title: Liaison Statement on co-ordination of data definitions, identified in GUP development

**Discussion** : Has no action points requested from any group.

**Conclusion: Forwarded to CN1#24**

**N1-020982** : S3-020167, To: SA2, CC: SA1, T3, CN1, T2, Type: LS IN, Title: The use of USIMs and ISIMs for IMS

**Discussion** :

**Conclusion: Noted**

## 4 Work Plan for TSGN WG1

**N1-021062** : Dynamicsoft Type: INFO, Title: CN1 Open Items List

**Discussion** : Any comments on this document for Andrew to update and then hand the result to Hannu. In 24.229 subclauses 7.1 and 7.2 headers needs to be changed since what is now the headers are not correct. After some time of review the rest was left for email discussion and completion the following Monday.

**Conclusion: Noted**

**N1-021093** : Dynamicsoft Type: INFO, Title: Updated list of P-Headers

**Discussion** : Missing the merging of the charging I-Ds and wrong title on service-route.

**Conclusion: Revised to 1104**

**N1-021104** : Dynamicsoft Type: INFO, Title: Updated list of P-Headers

**Discussion** : To be sent to CN chair Stephen Hayes as requested.

**Conclusion: Noted**

## 5 Maintenance of Rel-4 and older releases

**Void for this meeting.**

## 6 SA2–CN1 joint session IMS (Wednesday 23/4 09:00)

**Q1. The usage of signalling PDP context**

- Answer to N1-020947
- Also related LSs: N1-020691 / S2-020866 and N1-020692 / S2-020867
- SIP signalling only or any IMS signalling?
- What are the restrictions for using signalling PDP context?
- Is it allowed to setup SIP sessions on a normal PDP context?
- is it allowed to send any other information on signalling PDP context?
- If not, what can be sent? How/where is any possible other stuff rejected
- Is it allowed to send (non-RT) data related to multiple applications on single PDP context?

### Q2. Unify: two way vs. three-way handshake

- SA2 LS N1-020697 / S2-020914
- What to do with the CN1 signalling flows and the corresponding requirements now that offer-counteroffer-answer model exists no more? Are we restricted to offer-answer model as such or should we reflect the logical three way negotiation in two sequences of offer-answer?

### Q3. Usage of R99 and Rel-4 USIMs for IMS access

- related LS N1-020696 / S2-020912
- CN1 reply is contained in N1-020875

Q1	S2-021071	Liaison Statement 'Clarification of IMS signalling flag'	From N1 in N1-020947		Noted. Already discussed in SA2, so it was not presented in the joint session.
Q1	S2-021342	DRAFT Liaison Statement on 'Clarification of IMS signalling flag'	Ericsson		<p>Draft on a SA2 response which proposes the following answers :</p> <p>Answer 1. DNS/DHCP will be allowed on a signalling PDP context.</p> <p>Answer 2. UE is required to set signalling flag for PDP context at initial activation or modification</p> <p>Answer 3. No problem seen with adding PCO-IE for release 5</p> <p>Not SA2 approved yet and discussion is ongoing on all answers which will be revised into S2-021352</p>
Q1	S2-021341	Restrictions on the Signalling PDP context	Ericsson	23.228	<p>Draft of a CR to allow DNS/DHCP on Signalling PDP context</p> <p>Not yet agreed, but in principle it is agreed to allow DNS/DHCP on signalling context. Exact wording is under discussion. The UE has 2 options, dedicated PDP context and general purpose context. The modification procedure can switch general purpose to dedicated and back for Rel-5 onwards. The network has signalling flag option as mandatory feature.</p> <p>Will be revised in S2-021351</p>
Q2	S2-021009	Correct stage 2 text	Ericsson	23.228	Revised into S2-021343

		following IETF changes			<p>CN1 question is related to how SA2 think the existing requirements are going to change. This draft CR reflects the SA2 view.</p> <p>It was also noted that CN1 wanted guidance on when resource reservation should take place, It could be possible after the first offer and would need to be modified if a second offer-answer happens.</p> <p>General opinion was that the SIP specification should be adhered to i.e. the possibility of a single or multiple offer-answer can take place. Is P-CSCF allowed to restrict the SDP media in an answer ? No, and the answer can only be a subset of the offer. Putting the restriction to have answer as subset to offer breaks the alignment with the IETF Unify draft. If the answer comes with additional codec another offer-answer sequence is needed.</p>
Q2	S2-021343	Correct stage 2 text following IETF changes	Ericsson	23.228	<p>Revision of S2-021009</p> <p>Not available in joint meeting as it was still being drafted.</p>
Q3	S2-021075	Liaison Statement on IMS Access with a R99/REL-4 USIM	N1		Liaison from N1, N1-020875
Q3	S2-021312				Not available
Q3	S2-021004	Use of Pre-R5 USIM for IMS	Ericsson		<p>Already discussed in SA2</p> <p>Presented and noted.</p>
Q3	S2-021350	RPID parameter insertion into the SIP messages	Nokia		<p>N1 document N1-021038</p> <p>Withdrawn in favour of S2-021410, 1411, 1412</p>
	S2-021410	Implicitly registered public user identity download from S-CSCF to P-CSCF	Nokia, Siemens, Ericsson, Nortel, Dynamics oft		<p>No change to working assumption that P-CSCF needs the IMPU's, but the mechanism is proposed to change due to considerations of capacity at S-CSCF.</p> <p>SA2 clarified that the need for IMPU at S-CSCF has only just been agreed by SA2 – was not agreed previously. SA2 will modify their specifications to now reflect this.</p> <p>It was noted that there is also a need to run a SIP timer in P-CSCF and this is not reflected in the discussion in this paper or the CR's in 1411 and 1412.</p> <p>Revised SA2 CR to reflect this decision is in S2-021427 (not presented to joint meeting).</p>
	S2-021411	Downloading the implicitly registered public user identities from the S-CSCF to P-CSCF	Nokia, Siemens, Ericsson, Nortel, Dynamics oft	24.229	<p>Submitted to joint meeting for information only – no presentation. Equals N1-021074.</p> <p>Generated against the wrong reference version of 24.229</p>

S2-021412	Downloading the implicitly registered public user identities from the S-CSCF to P-CSCF	Nokia, Siemens, Ericsson, Nortel, Dynamics oft	24.228	Submitted to joint meeting for information only – no presentation. Equals N1-021075.  Cover sheet says 24.229, but should be 24.228.
S2-021428	Internet Draft: The SIP P-Associated-URL header	Ericsson		I-D for new p-header required to support the solutions proposed in 1411 and 1412.

## 7 Release 5

### 7.1 Non-IMS Rel-5 corrections

**Void for this meeting.**

### 7.2 IMS documents for information

**N1-020983** : Vodafone, Type: OTHER , Title: Proposed Informational I-D on Cell ID (draft-mills-sip-access-network-info-00)

**Discussion** : Tried to merge with access network information as well, having the cell-ID inside. Is the access P-CSCF generated and thus completely separated from cell-ID which is UE generated ? Comments that P-CSCF does not know what the access network is, but the UE does. Can the proxy modify the cell-ID ? This is for information to the meeting because these are individual drafts, but should the 3GPP have any use of it there should be some sort of agreement on the respective P-headers I-D. An evening session tonight will do drafting on all P-header I-D's, so a revision can be shown during this meeting. The syntax needs to be corrected and it was proposed to have 2 levels instead of three. Values or any idea of what is possible could be a part of the I-D. Security considerations to be outlined. At least an email round for updates of P-header I-Ds should be done before handing them to IETF in time for WG last call on Monday coming week. If possible an update of the P-headers will be provided again during this meeting.

**Conclusion** : Revised to 1068

**N1-021068** : Vodafone, Type: OTHER , Title: Proposed Informational I-D on Cell ID (draft-mills-sip-access-network-info-00)

**Discussion** :

**Conclusion** : Revised to 1089

**N1-021089** : Vodafone, Type: OTHER , Title: Proposed Informational I-D on Cell ID (draft-mills-sip-access-network-info-00)

**Discussion** : Access-network-info is already used in the charging-vector draft. The charging draft should change to use access-network-charging-info and the agreed CR009r1 to 24.229 from last meeting should change to use Access-network-charging-info in the XML and procedures.

**Conclusion** : Noted

**N1-020990**: Lucent T., Type: DISCUSSION, Title: IETF draft for original-dialog-id P-header

**Discussion** : There was no comment to this I-D in the first walk through, but some improvements proposed in the evening session. Security consideration was discussed, and again the reference part split into normative/ informative.

**Conclusion** : Revised to 1069

**N1-021069**: Lucent T., Type: DISCUSSION, Title: IETF draft for original-dialog-id P-header

**Discussion :** Delete the XML part. Use a SIP example.

**Conclusion :** *Noted*

**N1-020991** : Lucent T., Type: DISCUSSION, Title: IETF draft for charging-function-addresses P-header

**Discussion :** Split in two according to the contribution to the last CN1#23, where this tdoc covers the addresses. No comments. If tdoc 1013 is agreed this draft needs to be revised. One draft one header ? Is the P-charging-function-addresses IP nodes with host addresses? SA5 has not documented anything on this (yet). Merge with 992 and change title.

**Conclusion :** *Revised to 1070*

**N1-021070** : Lucent T., Type: DISCUSSION, Title: IETF draft for mobile-charging-information P-headers

**Discussion :** Some changes needed, eg the proxy may delete these headers.

**Conclusion :** *Noted*

**N1-020992** : Lucent T., Type: DISCUSSION, Title: IETF draft for charging-vector P-header

**Discussion :** GPRS charging ID needs to be introduced here. The Applicability Statement chapters need to be reworked on all the P-header I-D's. Need a section 5.3 for B2BUA for passing on this information. Merge to 1070 together with 991, and change the title of the merged revision 1070.

**Conclusion :** *Merged into 1070*

**N1-020993** : Lucent T., Type: DISCUSSION, Title: Summary of current IETF documents on SIP

**Discussion :**

**Conclusion :** *Noted*

**N1-020994** : Lucent T., Type: DISCUSSION, Title: Summary of current IETF documents on SIPPING

**Discussion :**

**Conclusion :** *Noted*

**N1-010995** : Lucent T., Type: DISCUSSION, Title: Summary of current IETF documents on MMUSIC

**Discussion :**

**Conclusion :** *Noted*

**N1-020996** : Lucent T., Type: DISCUSSION, Title: Summary of current IETF documents on SIMPLE

**Discussion :**

**Conclusion :** *Noted*

**N1-021018** : Ericsson, Type: INFO, Title: Proposed I-D on P-Visited-Network-ID SIP header

**Discussion :** Can it be detected if a proxy modifies the info (in general for all the P-header I-D's) ? It is sent between networks being trusted. Not more or less secure than any other SIP message. Does it need to look into the address ? The visited network is the P-CSCF's network and might be the home network which is different from the access network.

**Conclusion :** *Revised to 1072*

**N1-021072** : Ericsson, Type: INFO, Title: Proposed I-D on P-Visited-Network-ID SIP header

**Discussion :**

**Conclusion :** *Noted*

**N1-021019** : Ericsson, Type: INFO, Title: Proposed I-D on P-Called-Party-ID SIP header



**Discussion :** Mark W. in SA2 has a history draft which is overlapping somehow with this one. P-header drafts can not overlap with general SIP. Keep this as draft and have off-line discussions with Mark. The history draft is not a 3GPP discussed item and not a work item, and will come soonest in September. Change name to 'Previous

**Conclusion : Revised to 1073**

**N1-021073**: Ericsson, Type: INFO, Title: Proposed I-D on P-Called-Party-ID SIP header

**Discussion :**

**Conclusion : Noted**

**N1-021031**: Dynamicsoft, Type: TS, Title: TS23.218 v5.0.0+CN1#23rev1

**Discussion :** New versions will be produced after this meeting as well for the interim specifications (maybe different revision color).

**Conclusion : Noted**

**N1-021042**: Nokia, Type: TS, Title: TS 24.228 v5.0.0+CN1#23

**Discussion :**

**Conclusion : Noted**

**N1-021045**: Nortel, Type: INFO, Title: draft-garapaty-sip-access-network

**Discussion :** Not required nor drafted since it is covered in 983. It is preferred to have one document, but that could have different headers since they are related.

**Conclusion : Not available**

**N1-021058**: Lucent T., Type: TS, Title: TS 24.229 v5.0.0+CN1#23

**Discussion :** New versions will be produced after this meeting as well for the interim specifications (maybe different revision color).

**Conclusion : Noted**

**N1-021074**: 24.229v500 CR#079, Nokia, Type: CR, Title: Downloading the implicitly registered public user identities from the S-CSCF to P-CSCF

**Discussion :** The current solution requires the P-CSCF to subscribe to the S-CSCF to each user's registration status event in order to get the user's implicitly registered public identities. This leads to capacity problems both in S-CSCF and P-CSCF. A new P-Associated-URL header has been added to the 200 OK response to REGISTER requests. The S-CSCF will insert the implicitly registered public user identities into this header and the P-CSCF will store the content of it. Consequently, the P-CSCF to S-CSCF subscription sections are removed.

This document was also presented in SA2 joint meeting, and now in CN1 where two problems were identified:

- how to deregister user at PCSCF when the user does not deregister gracefully;
- how to pass IMPU to PCSCF

Currently the specifications have the same solution for both issues, i.e. SUBSCRIBE/NOTIFY. The proposal now is to use new p-header for the second problem, and to use registration timer for the first problem identified.

**Conclusion : Postponed**

**N1-021075**: 24.228v500 CR#028, Nokia, Type: CR, Title: Downloading the implicitly registered public user identities from the S-CSCF to P-CSCF

**Discussion :**

**Conclusion : Postponed**

**N1-021076**: Ericsson, Type: INFO, Title: Internet Draft for P-Associated-URL

**Discussion :** A decision should be made here if this can be combined with the service-route P header already in progress. The combining seemed preferable as the way forward although more thought would be good. It could be 1 or 2 headers in that draft, which could be left to the author ? Agreed to make separate drafts. URI used (not URL). The IMPUs not registered but existing in the profile will also be downloaded to the UE ? In that case the NOTIFY received IMPUs need to overwrite these from the P-associated header in the UE. This IMPU download has nothing to do with 'Presence'. Just use 'associated URIs' and not 'implicitly registered URIs'. This header will have at least one URI included also in the case of temporary IMPU.

**Conclusion : Noted**

## 7.3 IMS Registration

**N1-021002** : 24.229v500 CR#058r1, Lucent, Type: CR, Title: Representing the registrar as a UA

**Discussion :** Currently in the profile tables, the registrar functionality is represented as being part of the proxy functionality. It is more correctly described as UA functionality.

Table 269 item 22 should be only 'i' and delete C2. Some more comments to be included.

**Conclusion : Revised to 1054**

**N1-021054** : 24.229v500 CR#058r2, Lucent, Type: CR, Title: Representing the registrar as a UA

**Discussion :** This interacts with CR047 to this meeting in 1059. SIP does define the registrar as UA.

**Conclusion : Agreed if CR047 is agreed**

**N1-021008** : 24.228v500 CR#017, Lucent T., Type: CR, Title: DNS-NAPTR Query

**Discussion :** When forwarding the REGISTER request the P-CSCF needs to specify the protocol, port number and IP address of the I-CSCF server in the home network to which to send the REGISTER request. Since the transport protocol, port and the destination is not a numeric IP address, the DNS NAPTR query is performed.

This CR is incomplete since n-1 subclauses modified are only referred to, and also 5.2.2 is impacted. Cross for UE impact on cover page, and add RFC 3263 in the reference clause.

**Conclusion : Revised to 1055**

**N1-021055** : 24.228v500 CR#017r1, Lucent T., Type: CR, Title: DNS-NAPTR Query

**Discussion :** Current DNS procedure incorrectly specifies the access to the DNS. Change cat to F and cross in box on the cover page for UE impact. Correct style.

**Conclusion : Revised to 1090**

**N1-021090** : 24.228v500 CR#017r2, Lucent T., Type: CR, Title: DNS-NAPTR Query

**Discussion :**

**Conclusion : Agreed**

**N1-021009** : 24.229v500 CR#066, Lucent T., Type: CR, Title: S-CSCF interaction with HSS

**Discussion :** During the registration procedure the S-CSCF informs the HSS that is serving a given user by passing to it its SIP URL. By placing the proper indicator in its SIP URL, the S-CSCF may detect the direction of subsequent requests and determine whether the call is MT call.

Wrong spec version used, and no indication of changed parts. Interacting with an earlier agreed CR#060r2 (tdoc 969). Why do we need another indicator for MO call? The absence of that indicator means MT call as agreed in last meeting CN1#23. A new tdoc 1063 is allocated for the new try of the remaining part of this CR that will be an update to 969.

**Conclusion : Rejected (See 1063)**

**N1-021016** : Siemens, Type: DISCUSSION, Title: Discussion of the Registration event package

**Discussion :** The registration event package currently allows a mobile and the P-CSCF to subscribe to their own registration status and thus receive information about the implicitly registered public user ids. Furthermore the registration event package is used to inform the user about network initiated deregistrations and re-authentication requests. The naming "registration event package" is currently misleading since actually the presence event package is used. Using the presence event package and the basic presence data format as specified in draft-ietf-impdp-cpim-pidf allows for two status value "open" and "closed" which correspond in case of the registration event package to "registered" and "deregistered". However it has been noted that an additional status value is necessary to inform the user that re-authentication is required. This paper discusses two different solutions that allow the S-CSCF to indicate the necessary status information "registered", "deregistered" and "re-authentication needed" and their advantages and disadvantages.

The proposal is not to make an I-D. This optional (?) feature could also be known to the internet community via a I-D, showing the new state. This new 'registration status event' package could be less confusing to the presence event package. This discussion document is agreed to be the base for the CRs to be written, but it was agreed that an I-D shall be done hopefully before the CN1#24 by Siemens. How do we include this information into 24.229 if the drafts are not ready in time for Rel-5. CN#16 could have one option in the CRs with the 'draft' text (basically the coding annexed) as one alternative and the other option as a CR adding the references of the RFC numbers if available in time.

**Conclusion : Noted**

**N1-021020** : 24.229v500 CR#008r2, Ericsson, Type: CR, Title: Support for services for unregistered users

**Discussion :** Alignment with stage 2 specifications regarding support for services for unregistered users. Update of 764.

HSS has 'states' to know whether the user is registered or not. It is needed as 'duplicate' also for registered users part.

**Conclusion : Revised to 1064**

**N1-021064** : 24.229v500 CR#008r3, Ericsson, Type: CR, Title: Support for services for unregistered users

**Discussion :** How to solve interactions with overlapping CRs (061, 062, 013, 018, 031 and 012) in this popular section. A note on the cover page must guide on the implementation of all the CRs if possible. Also include 1022, which then also needs to be a part of the implementation guide to be agreed in a session tonight.

**Conclusion : Revised to 1085**

**N1-021085** : 24.229v500 CR#008r4, Ericsson, Type: CR, Title: Support for services for unregistered users

**Discussion :** See the comments on the cover for implementations incorporated here.

**Conclusion : Agreed**

**N1-021027** : Ericsson, Type: INFO, Title: Grouping of media to PDP context

**Discussion :** Postponed to after the SA2 session. 1027, 1028 and 1029 are related.

**Conclusion : Postponed**

**N1-021028** : Ericsson, Type: INFO, Title: Logical grouping of media lines in SDP

**Discussion :** 1027, 1028 and 1029 are related.

**Conclusion : Not available**

**N1-021029** : 24.229v500 CR#072, Ericsson, Type: CR, Title: Grouping of m-lines in SDP

**Discussion :** Postponed to after the SA2 session. 1027, 1028 and 1029 are related.

**Conclusion : Postponed**

**N1-021030** : 24.229v500 CR#040r2, Ericsson, Type: CR, Title: Introduction of IMS signalling flag, IPv6 prefix and binding information

**Discussion :** It is proposed to set the IMS signalling flag whenever a context intended for IMS shall be activated (or modified FFS). The flag indicates that the PDP context shall be used for signalling (e.g. SIP, DNS and DHCP). The PCO field is currently not included in PDP context modification messages. It is clarified that the UE constructs the

IPv6 address from a prefix provided by the GGSN. Binding information (authorisation token and flow id.) is introduced.

Subclause 9.2.6 and 9.2.1 part 2 needs to await the joint session with SA2 where LS N1-020947 on modification of PDP context will be discussed. Does m-line numbering start on 0 or 1 ? Revise text on prefix part. Else agreeable.

**Conclusion : Revised to 1065**

**N1-021065** : 24.229v500 CR#040r3, Ericsson, Type: CR, Title: Introduction of IMS signalling flag, IPv6 prefix and binding information

**Discussion** : Not available.

**Conclusion : Revised to 1094**

**N1-021094** : 24.229v500 CR#040r4, Ericsson, Type: CR, Title: Introduction of IMS signalling flag

**Discussion** : Reflecting status from SA2 at lunchtime,- the signalling flag will trigger in GGSN wether to use the PDP context just for SIP signalling or more general. Pending due to the CR expected from SA2.

**Conclusion : Postponed**

**N1-021047** : 24.229v500 CR#076, Siemens, Type: CR, Title: Restructuring P-CSCF Registration Sections

**Discussion** :

**Conclusion : Not available**

**N1-021048** : 24.229v500 CR#077, Siemens, Type: CR, Title: Restructuring UE Registration Sections

**Discussion** :

**Conclusion : Not available**

**N1-021049** : 24.229v500 CR#078, Siemens, Type: CR, Title: Restructuring S-CSCF Registration abnormal cases

**Discussion** :

**Conclusion : Not available**

**N1-021052** : Nokia, Type: DISCUSSION, Title: Relation of IMS media components and PDP contexts carrying IMS media

**Discussion** : SA2 has agreed for UE to group media, was announced by the tdoc originator, but a drafting is ongoing and SA2 have no decisions yet in that area. Changing the SDP in MMUSIC in IETF was the way to try, but seen very difficult in time for Rel-5. The decision on this in CN1 was proposed to be postponed for CN1#24, awaiting SA2 changes to 23.228. If SA2 do not change 23.228 then the SDP grouping of media lines solution should be selected. The p-header option was seen to mix SIP and SDP and to not be practical for Rel-5 timeframe anyway.

**Conclusion : Noted**

**N1-021053** : 24.228v500 CR#026, Nokia, Type: CR, Title: Support for services for unregistered users

**Discussion** :

**Conclusion : Not available**

**N1-021063** : 24.229v500 CR#060r3, Lucent T., Type: CR, Title: Restructuring of S-CSCF Registration Sections

**Discussion** : Revision of agreed CR060r2 due to text from 1009.

**Conclusion : Agreed**

**N1-021095** : 24.229v500 CR#080, Ericsson, Type: CR, Title: Introduction of IPv6 prefix and binding information

**Discussion** : Reference to 29.061 is added. It is clarified that the UE constructs the IPv6 address from information provided by the GGSN. Binding information (authorisation token and flow identifier) is introduced.

*Conclusion : Agreed*

## 7.4 IMS Deregistration

None.

## 7.5 IMS Configuration hiding

**N1-021024**: 24.229v500 CR#069, Nokia, Type: CR, Title: Definition of the Tokenised-by parameter

*Discussion* : There is no definition yet of this parameter. This CR describes the operation and BNF format of the parameter. A new subclause is inserted.

There is no revision marks in this CR. Defining the parameter but included where ? Do we need 'shall' in the operation part,- no use 'will'.

*Conclusion : Revised to 1066*

**N1-021066**: 24.229v500 CR#069r1, Nokia, Type: CR, Title: Definition of the Tokenised-by parameter

*Discussion* : One [6] as reference too much, and insert table number for xx as 7.6.

*Conclusion : Revised to 1096*

**N1-021096**: 24.229v500 CR#069r2, Nokia, Type: CR, Title: Definition of the Tokenised-by parameter

*Discussion* :

*Conclusion : Agreed*

## 7.6 IMS Authentication

None.

## 7.7 IMS Call initiation

**N1-021010** : 24.229v500 CR#067, Lucent T., Type: CR, Title: S-CSCF routing of MO calls

*Discussion* : Wrong spec version used, and unclear indication of changed parts. Currently the document 24.229 does not specify how does the S-CSCF route the MO initial requests. The proposed text clarifies the routing procedure in the S-CSCF. The S-CSCF handling session origination performs an analysis of the destination SIP URL and determines whether pertains to a subscriber of the same network operator or a different operator. Subsequently it forwards the request accordingly.

The CR was thought not needed for any of the 3 paragraphs, and if anything it should be left to the implementation. After refreshing it was found needed a short explanation for how the S-CSCF does the entry point in the Route header. The I-CSCF needs to do a look-up anyway,- or I-CSCF never goes to DNS ? Fundamental method outlined was very much discussed and the outcome is that in the hiding case the DNS query can be done by either I-CSCF and S-CSCF. When hiding is not required S-CSCF can send directly to entry point in destination network so it must be able to do the external domain DNS look up.

*Conclusion : Revised to 1077*

**N1-021077** : 24.229v500 CR#067r1, Lucent T., Type: CR, Title: S-CSCF routing of MO calls

*Discussion* : Cover sheet change and move a bullet.

**Conclusion : Revised to 1097**

**N1-021097** : 24.229v500 CR#067r2, Lucent T., Type: CR, Title: S-CSCF routing of MO calls

**Discussion :****Conclusion : Agreed**

**N1-021011** : 24.229v500 CR#068, Lucent T., Type: CR, Title: I-CSCF routing of dialog requests

**Discussion :** Wrong spec version used, and no indication of changed parts, and says 29.229 instead of 24.229!!!  
Currently the document 24.229 does not address the routing of requests by I-CSCF when sent from the S-CSCF to the S-CSCF where both of them belong to the same network operator. By examining the Route list and knowing the source of the request, the I-CSCF invokes hiding and routes the request to the proper next hop.

Interworking with strict routing was agreed as implicit. How is initial INVITE separated from re-INVITE in I-CSCF ?

**Conclusion : Revised to 1078**

**N1-021078** : 24.229v500 CR#068r1, Lucent T., Type: CR, Title: I-CSCF routing of dialog requests

**Discussion :****Conclusion : Agreed**

**N1-021012** : 24.229v500 CR#002r3, NEC, Type: CR, Title: 24.229: Alignment with 23.815 regarding charging correlation principles

**Discussion :** Update of 966. The charging discussion has been moved from SA2 to SA5 was announced. Email proposed to be used before a contribution to CN1#24.

**Conclusion : Postponed**

**N1-021013** : 24.229v500 CR#013r2, NEC, Type: CR, Title: 24.229: Clarifications on CCF addresses

**Discussion :** CR#013r1 was agreed in last meeting. The green revisions are the new part, introducing ccf-g mainly.

There is no explanation of what ccf-g is. A gateway address taking care of the PSTN when the home ccf address is not available (23.815)? The understanding among operators are that I-CSCF shall remove the CCF address when going out of current network, ie to the visited network. (771 has a CCF address transferred from S-CSCF to P-CSCF?)

**Conclusion : Postponed**

**N1-021017** : 24.228v500 CR#018, Ericsson, Type: CR, Title: Update of flows in 10.1, 10.2 and 10.3

**Discussion :** Update based on latest IETF RFCs and I-Ds, correction of mistakes. Editorials needed only.

**Conclusion : Revised to 1079**

**N1-021079** : 24.228v500 CR#018r1, Ericsson, Type: CR, Title: Update of flows in 10.1, 10.2 and 10.3

**Discussion :****Conclusion : Not available**

**N1-021025** : 24.229v500 CR#070, Nokia, Type: CR, Title: SDP procedures at UE

**Discussion :** No tdoc number in file header. UE should be crossed on cover sheet. Update of already agreed change – previous document not highlighted . Wrong version of 24.229 has been used – the [CRxxx] in the text is from the interim version. The CR deletes 2 statements not applicable any more and add a new one saying that the UE shall use the UPDATE method in case it wants to add new media to the existing session.

After ACK it was agreeable to use UPDATE, as in standard draft. What about reINVITE. Bullet point 5 and 6 was then seen as not needed. This CR is interacting with CR033 and CR036, and have the handling described on the cover page.

**Conclusion : Revised to 1080**

**N1-021080** : 24.229v500 CR#070r1, Nokia, Type: CR, Title: SDP procedures at UE

**Discussion :****Conclusion : Not available**

**N1-021026** : 24.229v500 CR#071, Nokia, Type: CR, Title: RPID parameter insertion into the SIP messages

**Discussion :** Not available.**Conclusion : Withdrawn**

**N1-021032** : 24.228v500 CR#019, Dynamicsoft, Type: CR, Title: MO, S-S, MT #2 reference flows update

**Discussion :** Changes within RFC 3261 and to the Privacy and Manyfolks drafts require correction of flows in 24.228.

Few editorial type comments were given, except for a discussion on m-line being 0. RFC was thought requiring the attributes for m-lines deleted when set to zero, but it was agreed to leave them in for now.

**Conclusion : Revised to 1081**

**N1-021081** : 24.228v500 CR#019r1, Dynamicsoft, Type: CR, Title: MO, S-S, MT #2 reference flows update

**Discussion :** Not presented.

**Conclusion : Revised to 1092**

**N1-021092** : 24.228v500 CR#019r2, Dynamicsoft, Type: CR, Title: MO, S-S, MT #2 reference flows update

**Discussion :****Conclusion : Agreed**

**N1-021034** : 24.228v500 CR#020, AWS, Type: CR, Title: Session Redirection Flow Update

**Discussion :** The updated flow contains the following major changes:

- Loose routing adopted (change of Request-URI, Route header fields)
- UPDATE method + Manyfolks-05 adopted (change of the figures, SDP,
- Require and Supported header fields; Content-disposition header field removed)
- Max-Forwards header field added to every request
- Branch parameters deleted from Route and Record-Route header fields
- Anonymity header fields deleted (privacy-04)
- RPID-Privacy header field added (privacy-04)
- Media-Authorization header field changed to P-Media-Authorization (call-auth-04)
- 'Service Control' changed to 'Evaluation of initial filter criterias' for INVITE

Revision is needed for CN1#24 where the m-line set to zero is inserted.

**Conclusion : Postponed**

**N1-021035** : 24.228v500 CR#021, AWS, Type: CR, Title: Session Transfer Flow Update

**Discussion :****Conclusion : Not available**

**N1-021038** : Nokia, Type: DISCUSSION, Title: RPID parameter insertion into the SIP messages

**Discussion :** Forwarded to agenda item 6. Discussed again in CN1 to have feedback on P-CSCF checking consistency of RPID and From headers. There was not much support for the proposal, but some statement is needed in 24.229 that RPID is always present in initial requests as a valid IMPU against the security association to be checked in P-CSCF, and then S-CSCF or AS checks against PCF if the IMPU is allowed to place a call or use this service. Second proposal was that P-CSCF needs to check that a dialog id for subsequent requests is valid for the security association on which it is received. CR(s) will be needed for the next meeting.

**Conclusion : Noted**

**N1-021039** : 24.228v500 CR#004r2, Nokia, Type: CR, Title: MO, S-S, MT #1a reference flow update

*Discussion* : CR#004r1 was agreed in last meeting. Not presented as r2.

*Conclusion* : **Revised to 1061**

**N1-021061** : 24.228v500 CR#004r3, Nokia, Type: CR, Title: MO, S-S, MT #1a reference flow update

*Discussion* : CR#004r1 was agreed in last meeting.

*Conclusion* : **Agreed**

**N1-021040** : 24.228v500 CR#023, Nokia, Type: CR, Title: S-S#3 update

*Discussion* : Update the S-S#3 flow based on accepted CR #004.

*Conclusion* : **Agreed**

**N1-021041** : 24.228v500 CR#024, Nokia, Type: CR, Title: S-S#4 update

*Discussion* : Update the S-S#4 flow based on accepted CR #004.

*Conclusion* : **Agreed**

**N1-021044** : 24.228v500 CR#025, Nortel, Type: CR, Title: CS-O, CS-T Reference Flow Update

*Discussion* : Update the CS-O and CS-T flows based on accepted CR #004.

Need to update on branch parameter and some comments.

*Conclusion* : **Revised to 1082**

**N1-021082** : 24.228v500 CR#025r1, Nortel, Type: CR, Title: CS-O, CS-T Reference Flow Update

*Discussion* : Diagram needed.

*Conclusion* : **Revised to 1098**

**N1-021098** : 24.228v500 CR#025r2, Nortel, Type: CR, Title: CS-O, CS-T Reference Flow Update

*Discussion* :

*Conclusion* : **Agreed**

**N1-021050** : Siemens, Type: DISCUSSION, Title: Changing Request URI in 24.228 call flows to tel/sip URLs

*Discussion* : Principle agreed,- use of tel URL for non-hiding cases and sip URL for hiding is just for consistency within the flows. General text in section 4 to highlight that there is no significance to the use of one or the other.

*Conclusion* : **Noted**

**N1-021051** : Siemens, Type: DISCUSSION, Title: 24.228 hiding call flows - first changes

*Discussion* :

*Conclusion* : **Not available**

**N1-021060** : 24.229v500 CR#061r2, Siemens, Type: CR, Title: Determination of MOC / MTC at P-CSCF and S-CSCF

*Discussion* : CR#061r1 was agreed in last meeting.

*Conclusion* : **Agreed**

## 7.8 IMS Call clearing

None.



## 7.9 IMS Abnormal cases and error handling

None.

## 7.10 Other IMS issues

**N1-020984** : 24.229v500 CR#075, Nokia, Type: CR, Title: Clarification to URL and address assignments

*Discussion* : IM CN subsystem entities may be allocated SIP URIs instead of FQDNs.

Since FQDNs should be removed all over, and the abbreviation should also be removed. Seems some subclauses needs it and thus making the specification inconsistent?

*Conclusion* : **Revised to 1083**

**N1-021083** : 24.229v500 CR#075r1, Nokia, Type: CR, Title: Clarification to URL and address assignments

*Discussion* : All FQDNs removed.

*Conclusion* : **Agreed**

**N1-020985** : Lucent T., Type: DISCUSSION, Title: MRFC interface details

*Discussion* : N1-020985, N1-020986, N1-020989 are related. Presented in last meeting and a request to postpone it for CN1#24 was accepted for this and the following contributions 986 and up to 989. Do we need to ask SA2 about this.

*Conclusion* : **Postponed and LS OUT in 1084 by Keith**

**N1-020986** : 24.229v500 CR#014r1, Lucent T., Type: CR, Title: MRFC INVITE interface details

*Discussion* : N1-020985, N1-020986, N1-020989 are related.

*Conclusion* : **Postponed**

**N1-020987** : 24.229v500 CR#015r1, Lucent T., Type: CR, Title: MRFC OPTIONS interface details

*Discussion* :

*Conclusion* : **Postponed**

**N1-020988** : 24.229v500 CR#017r1, Lucent T., Type: CR, Title: AS to MRFC optimized signaling

*Discussion* :

*Conclusion* : **Postponed**

**N1-020989** : 24.229v500 CR#021r1, Lucent T., Type: CR, Title: MGCF OPTIONS interface details

*Discussion* : N1-020985, N1-020986, N1-020989 are related.

*Conclusion* : **Postponed**

**N1-020997** : 24.229v500 CR#024r1, Lucent T., Type: CR, Title: Replacement of COMET by UPDATE

*Discussion* :

*Conclusion* : **Not available**

**N1-021022** : 24.229v500 CR#073, Ericsson, Type: CR, Title: Updates to the procedures involving the iFCs, following the Oulu iFC changes

*Discussion* : At the Oulu meeting, Siemens & al. clarified that the iFCs should be composed of triggers, to which there is a single AS assigned. That has been further clarified in Ft Lauderdale (N1-020953, CR 003R2). There is still in 24.229 procedures reminiscence of the days were the S-CSCF used to police contact messaging to the AS, ensuring that it would be contacted only once. As well, ServiceInformation is wrongly described as being unique, for one AS.

Interacts with 1020 which is revised to 1064.

**Conclusion : Agreed**

**N1-021036** : 24.229v500 CR#074, Ericsson, Type: CR, Title: Addition of DHCPv6 references to 24.229

**Discussion** : There are no references to the DHCPv6 procedures in 24.229.

The draft name should be included with the reference number.

**Conclusion : Revised to 1086**

**N1-021086** : 24.229v500 CR#074r1, Ericsson, Type: CR, Title: Addition of DHCPv6 references to 24.229

**Discussion** :

**Conclusion : Agreed**

**N1-021037** : 24.228v500 CR#022, Ericsson, Type: CR, Title: Addition of DHCPv6 references to 24.228

**Discussion** : There are no references to the DHCPv6 procedures in 24.228. Use integer reference numbers and the draft name should be included with the reference number.

**Conclusion : Revised to 1087**

**N1-021087** : 24.228v500 CR#022r1, Ericsson, Type: CR, Title: Addition of DHCPv6 references to 24.228

**Discussion** :

**Conclusion : Agreed**

**N1-021043** : 24.229v500 CR#036r2, Nortel, Type: CR, Title: Corrections to SIP Compression

**Discussion** : CR#036r1 was agreed in last meeting. The current text on SIP compression in 24.229 is incorrect as a result of agreements by SA2 in 23.221. Also the referenced IETF draft is obsolete. IETF has specified SIP signalling compression procedures in a new IETF draft draft-ietf-rohc-sigcomp-05 and dictionary. Also, as negotiation of the compression algorithm is not needed with SigComp, the first SIP message may already be compressed.

The text does not show that the SIP default dictionary is needed for the first message from the UE. This is also true for subsequent messages if the dynamic compression method is not used.

**Conclusion : Revised to 1088**

**N1-021088** : 24.229v500 CR#036r3, Nortel, Type: CR, Title: Corrections to SIP Compression

**Discussion** : The decompressor can not use the dictionary (avoid 'shall') unless used by the compressor.

**Conclusion : Revised to 1099**

**N1-021099** : 24.229v500 CR#036r4, Nortel, Type: CR, Title: Corrections to SIP Compression

**Discussion** :

**Conclusion : Agreed**

## 7.11 Minor IMS issues

**N1-020998** : 24.229v500 CR#025r2, Lucent T., Type: CR, Title: Incorporation of current RFC numbers

**Discussion** : Substitution of new RFC numbers for internet-drafts.  
Resynchronisation of section references with RFC.  
Inclusion of section references for status codes.  
409 status code has been removed as it is not in the RFC

411 status code has been removed as it is not in the RFC  
 416 status code has been added with appropriate reference  
 491 status code has been added with appropriate reference  
 493 status code has been added with appropriate reference  
 Name of 504 status code changed. Tdoc number inserted. Editors note to be removed.

**Conclusion : Revised to 1091**

**N1-021091** : 24.229v500 CR#025r3, Lucent T., Type: CR, Title: Incorporation of current RFC numbers

**Discussion :**

**Conclusion : Agreed**

**N1-021001** : 24.229v500 CR#057r1, Lucent T., Type: CR, Title: Annex A editorials, including precondition additions

**Discussion :**

**Conclusion : Agreed**

**N1-021003** : 24.229v500 CR#041r2, Lucent T., Type: CR, Title: Delivery of IMS security parameters from S-CSCF to the P-CSCF by using proprietary auth-param

**Discussion :** CR#041r1 was agreed in last meeting. I-D sip-digest-aka-draft may affect this.

**Conclusion : Agreed**

**N1-021004** : 24.229v500 CR#064, Lucent T., Type: CR, Title: Incorporation of previously agreed corrections to clause 5.2.5.2 (N1-020416)

**Discussion :** New text is proposed for 5.2.5.2 which removes conflicting text, resulting in a single text in accordance with existing agreements. No technical change is proposed. The proposed text is identical to that in the original N1-020416 with some very minor punctuation changes only. There appear to be not related changes that need to be taken into account since the original unimplemented document was agreed.

**Conclusion : Agreed**

**N1-021005** : 24.229v500 CR#065, Lucent T., Type: CR, Title: Clause 7.2 editorial corrections

**Discussion :** Compliance with drafting rules.

**Conclusion : Agreed**

**N1-021006** : 24.229v500 CR#030r2, Lucent T., Type: CR, Title: P-CSCF release of an existing session

**Discussion :** CR#030r1 was agreed in last meeting. Insert the tdoc number.

**Conclusion : Agreed**

**N1-021007** : 24.229v500 CR#053r2, Lucent T., Type: CR, Title: Integrity protection signalling from the P-CSCF to the S-CSCF

**Discussion :** CR#053r1 was agreed in last meeting.

**Conclusion : Agreed**

**N1-021057** : 24.229v500 CR#047r1, Lucent T., Type: CR, Title: Simplification of profile tables

**Discussion :** CR#047 was agreed in last meeting. Either 1057 or 1059 is intended to go to the plenary.

Revision 1 of this CR produced to take account of interactions with CR025, thus the clause references to RFC 3261 are updated in the moved headers. This CR also takes on board interactions with CR057 dealing with editorial changes to annex A. A small number of header deletions that were missed in the first version of this CR have been provided.

Revision 2 created to deal with interactions with CR058, thus the Timestamp header in the new general REGISTER response table has been modified.

**Conclusion : Revised to 1059**

**N1-021059** : 24.229v500 CR#047r2, Lucent T., Type: CR, Title: Simplification of profile tables

**Discussion** : CR#047 was agreed in last meeting. In annex A, a number of headers are common to all the response tables in each method. A simplification of the representation can be obtained by placing these common headers in each method in a separate table for each method. The contribution also covers the issue of a number of status-codes that do not currently appear, as they have no special headers defined for their action.

**Conclusion : Agreed**

## 7.12 IMS: 23.218

**N1-021000** : 23.218v500 CR#008r1, Lucent T., Type: CR, Title: S-CSCF behavior in case of error from ApplicationServer in response to REGISTER

**Discussion** : Filter Criteria doesn't currently specify "De-Registration" as error handling. Reference IETF RFC 3261 (formerly 2543bis) for error handling in case of a failure response to one of the REGISTER requests.

Seen from the AS for response to 3<sup>rd</sup> party registration,- could it be more specifically defined what are filtered? The default handling was the agreement in last CN1#23 meeting. Discussed together with 1015. Depending on the filter criteria the service designer will decide what to do with deregistration or not.

**Conclusion : Rejected**

**N1-021014** : 23.218v500 CR#009, NEC, Type: CR, Title: 23.218: Clarifications on Interworking with external ASs

**Discussion** : Not presented.

**Conclusion : Revised to 1056**

**N1-021056** : 23.218v500 CR#009r1, NEC, Type: CR, Title: 23.218: Clarifications on Interworking with external ASs

**Discussion** : In the current 23.228, there is a description on interworking with external application servers, but 23.218 is not clearly stating this case. Furthermore, recent CN5 meeting decided that several OSA API's is not supported in Rel-5. Accordingly, SA2 will remove OSA related description in Rel 5 at SA2#24.

This was not thought correct since due to one of the CN5 multipart document is delayed it is not generally valid. SA2 has to decide what they will do with the architecture. Editorial corrections are needed. Might be a need for a CR like this for the CN1#24 meeting when we know more on the direction.

**Conclusion : Postponed**

**N1-021015** : 23.218v500 CR#003r3, NEC, Type: CR, Title: 23.218: Clarifications on default handling procedure

**Discussion** : Wrong title is used,- CR#003r2 was agreed in last meeting with title 'Clarification on SPI related text'. Discussed with 1000. In the current text, default handling procedure is initiated when AS action failed. However, there is no description for the case that AS itself requests the default handling procedure.

It was thought not appropriate for the AS to request a default handling. Terminating request is different from 'not reachable'. SA2 has decided that loosening the restrictiveness here is not for Rel-5. Some text in 5.2 was agreeable.

**Conclusion : Revised to 1067**

**N1-021067** : 23.218v500 CR#003r4, NEC, Type: CR, Title: Clarification on SPI related text

**Discussion** : In subclause 5.2 under the note terminology as 'servicing' and 'terminated' was confusing.

**Conclusion : Revised to 1100**

**N1-021100** : 23.218v500 CR#003r5, NEC, Type: CR, Title: Clarification on SPI related text

**Discussion** : Editorials, ie 'of' to 'if' and correct style to be used

**Conclusion** : *Revised to 1102*

**N1-021102** : 23.218v500 CR#003r6, NEC, Type: CR, Title: Clarification on SPI related text

**Discussion** :

**Conclusion** : *Agreed*

**N1-021021** : 23.218v500 CR#010, Ericsson, Type: CR, Title: Replacing "call" with "session"... where appropriate

**Discussion** : At the Ft Lauderdale meeting, N1-020918 proposed to replace instances of "call" with "session" in section 6.4. The meeting rather asked to do this systematically in 23.218.

Should we change from session to dialog.

**Conclusion** : *Rejected*

**N1-021023** : 23.218v500 CR#011, Ericsson, Type: CR, Title: On the reliability of triggering on SDP

**Discussion** : The Service Point (SPI) of Interest encompasses the Session Description Information (SDP). The S-CSCF uses the SPI to trigger services, so the service designer could think that he can trigger services on the SDP presence and/or characteristics (i.e., usage of video). The triggers are, though, valid solely for session initiation (INVITE). A service designer who wants to build an SDP related service will likely need to trigger as much on initial session initiation (INVITE) than on further changes that occurred during that session (RE INVITE or UPDATE). As the triggers defined up to now apply solely to the session initiation (i.e., INVITE) it is not clear why 23.218 does go through the complexity of checking the SDP solely for session initiation. Open question to the meeting: do you see a way to solve this problem? If not, we propose deletion of the SDP in the SPI definition.

It should be possible to trigger on re-INVITE was expressed. Changing media would normally be done with UPDATE and not re-INVITE. Add a note to the service designers,- a health warning about the restrictions ?

**Conclusion** : *Rejected*

**N1-021033** : 23.218v500 CR#004r2, NEC, Type: CR, Title: 23.218: Passing charging correlation information

**Discussion** : CR#004r1 was agreed in last meeting. Title has 23.218 added in this requested revision. Related to

**Conclusion** : *Postponed*

**N1-021071** : 23.218v500 CR#012, Ericsson, Type: CR, Title: Update of the S-CSCF AS relationship, for REGISTER

**Discussion** : Clarifications on: REGISTER triggering, default handling.

Interaction with the NEC contribution to be deleted. Some text needs rewording.

**Conclusion** : *Revised to 1101*

**N1-021101** : 23.218v500 CR#012r1, Ericsson, Type: CR, Title: Update of the S-CSCF AS relationship, for REGISTER

**Discussion** : Missing 'subclause'.

**Conclusion** : *Revised to 1103*

**N1-021103** : 23.218v500 CR#012r2, Ericsson, Type: CR, Title: Update of the S-CSCF AS relationship, for REGISTER

**Discussion** :

**Conclusion** : *Agreed*

## 8.1 Presence

**N1-020999** : Lucent T., Type: DISCUSSION, Title: Discussion on documentation for Presence

*Discussion* : Presented in last meeting and now updated with the comments received then.

*Conclusion* : *Noted*

**N1-021046** : Nokia, Type: INFO, Title: Kirsi's presentation on 'Presence Service Stage-2'

*Discussion* : The presentation was kindly given by Kirsi (Rapporteur/S2 - Presence Service session chair) before it will be formally handled in SA2 on Friday this week. It gave status on terms, architecture and presence attributes and access rules. The present stage 2 is TR 23.841v100. Some discussions took place on questions like : CN1 should probably document the application in the server but who does it for the UA, or will it be any standardization for this area ? Is the UA both a Watcher and a Presentity? Pex, Peu, Pen and Px would probably be in CN1 responsibility.

*Conclusion* : *Noted*

## 8.2 MBMS (Multimedia Broadcast Multicast Services)

None provided.

## 8.3 Other Rel-6 issues

**Void for this meeting.**

## 9 LS OUT (output liaison statements)

**N1-021084** : Keith, Type: LS OUT , **To:** SA2, **Cc:** Title: [DRAFT] Liaison Statement on discovery and subsequent request of specific capabilities within the MRFC/MRFP (and discovery of specific capabilities within the MGCF/MGW)

*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, but could also be concluded with 'Not available'.

## 11 Any Other Business (AOB)

None provided.

## 12 Closing of the meeting

17:00 Thursday 25.04.2002

Review of dates and hosts for future meetings

## Meeting schedule for CN1 in 2002

3GPP Meeting	Date	Place	Host
N1-SIP-adhoc0102	14-18 January 2002	Phoenix, USA	ATTWS
N1#22	28 January-1 February 2002	Sophia Antipolis, France	ETSI
N1#22bis	19-21 February 2002	Oulu, Finland	Elisa Communications, Finnet, Nokia, Sonera, Viestintävirasto
TSGN#15	6-8 March 2002	Korea	TTA
N1#23	8-12 April 2002	Fort Lauderdale, FL, USA	NA 'Friends of 3GPP'
N1-SIPadhoc0204	23-25 April 2002	Madrid, Spain	Telefonica, Ericsson
N1#24	13-17 May 2002	Budapest, Hungary	Ericsson
TSGN#16	5-7 June 2002	Marco Island, FL, USA	Motorola
N1#25	29.July-2.August 2002	Helsinki, Finland	Sonera
TSGN#17	4-6 September 2002	France	Alcatel
N1#26	23-27 September 2002	USA ?	?
N1#27	11-15 November 2002	Bangkok, Thailand	Japanese Friends of 3GPP
TSGN#18	4-6 December 2002	New Orleans ?, USA	NA 'Friends of 3GPP'

## Annex A Joint meeting report SA2 - CN1

Please see section 6 in this document and the SA2#24 report in [http://www.3gpp.org/ftp/tsg\\_sa/WG2\\_Arch/TSGS2\\_24/](http://www.3gpp.org/ftp/tsg_sa/WG2_Arch/TSGS2_24/)

## Annex B List of participants

### Member of 3GPP (ETSI)

Mr. Gabor Bajko	NOKIA Corporation +36209849259	3GPPMEMBER (ETSI) gabor.bajko@nokia.com	HU
Ms. Inmaculada Carrion Rodrigo	NOKIA Corporation +358503806481	3GPPMEMBER (ETSI) inmaculada.carrion-rodrigo@nokia.com	FI
Mr. Keith Drage +44 1793 776249	Lucent Technologies N. S. UK drage@lucent.com	3GPPMEMBER (ETSI)	GB
Mr. Miguel Garcia-Martin +358 40 514 0002	ERICSSON L.M. miguel.a.garcia@ericsson.com	3GPPMEMBER (ETSI)	FI
Mr. Alexandre Harmand	mmO2 plc +44(0)1473605436	3GPPMEMBER (ETSI) alexandre.harmand@o2.com	GB
Mr. Kevan Hobbis +44 7790 771069	Hutchison 3G UK Limited Kevan.Hobbis@hutchison.com	3GPPMEMBER (ETSI)	GB
Ms. Jane D Humphrey +44 2476564232	MARCONI COMMUNICATIONS jane.humphrey@marconi.com	3GPPMEMBER (ETSI)	GB
Mr. Dieter Jacobsohn +49 228 936 3361	T-MOBILE DEUTSCHLAND Dieter.Jacobsohn@t-mobil.de	3GPPMEMBER (ETSI)	DE

Mr. Krisztian Kiss	NOKIA Corporation +358504835363	3GPPMEMBER (ETSI) krisztian.kiss@nokia.com	FI
Mr. Georg Mayer +49 89 722 33114	SIEMENS AG georg.mayer@icn.siemens.de	3GPPMEMBER (ETSI)	DE
Mr. Duncan Mills +44 1635 676074	VODAFONE LTD duncan.mills@vf.vodafone.co.uk	3GPPMEMBER (ETSI)	GB
Mr. Atle Monrad +47 372 93 665	ERICSSON L.M. atle.monrad@ericsson.com	3GPPMEMBER (ETSI)	NO
Mr. Kim Nguyen +33 1 45 29 49 75	ORANGE FRANCE kimanhvu.nguyen@rd.francetelecom.c	3GPPMEMBER (ETSI)	FR
Mr. Martti Perala	NOKIA Corporation +358405597034	3GPPMEMBER (ETSI) martti.perala@nokia.com	FI
<b>Member of 3GPP (T1)</b>			
Mr. Andrew Allen +1 972 473 5507	dynamicsoft Inc. aallen@dynamicsoft.com	3GPPMEMBER (T1)	US
Mrs. Sonia Garapaty +1 972 6855110	Nortel Networks sonia.garapaty@nortelnetworks.com	3GPPMEMBER (T1)	US
Mr. Michel Houde +1 514 345 2759	Ericsson Inc. michel.houde@ericsson.com	3GPPMEMBER (T1)	SE
Mr. Hugh Shieh +1 425 580 6898	AT&T Wireless Services, Inc. hugh.shieh@attws.com	3GPPMEMBER (T1)	US
Mr. Dean Willis +1 972 473 5455	dynamicsoft Inc. dwillis@dynamicsoft.com	3GPPMEMBER (T1)	US
Mr. Milo Orsic 5161	Lucent Technologies +1 630 713 1921	3GPPMEMBER (T1) orsic@lucent.com	+1 630 713
<b>Member of 3GPP (TTC)</b>			
Mr. Yukio Kawanami	NEC Corporation +81471857158	3GPPMEMBER (TTC) kawanami@cj.jp.nec.com	JP
<b>Organisation partner representative (ETSI)</b>			
Mr. Per Johan Jorgensen +33 4 92 94 42 31	Mobile Competence Centre jorgensen@etsi.fr		FR

## Annex C Agreed CRs

None agreed , but the following is a package of CRs proposed to be agreed en bloc in CN1#24, ie agreed here means provisionally agreement and any of them can be reopened in CN1#24 on request.

TDoc #	Spec	CR #	Rev	CAT	Rel	C_Ver sion	Tdoc Title	Type	WI	Status
N1-021102	23.218	003	6	F	Rel-5	5.0.0	Clarification on SPI related text	CR	IMS-CCR	AGREED
N1-021103	23.218	012	2	F	Rel-5	5.0.0	Update of the S-CSCF AS relationship, for REGISTER	CR	IMS-CCR	AGREED
N1-021061	24.228	004	3	F	Rel-5	5.0.0	MO, S-S, MT #1a reference flow update	CR	IMS-CCR	AGREED
N1-021090	24.228	017	2	B	Rel-5	5.0.0	DNS-NAPTR Query	CR	IMS-CCR	AGREED
N1-021092	24.228	019	2	F	Rel-5	5.0.0	MO, S-S, MT #2 reference	CR	IMS-	AGREED



							flows update		CCR	
N1-021087	24.228	022	1	F	Rel-5	5.0.0	Addition of DHCPv6 references to 24.228	CR	IMS-CCR	AGREED
N1-021040	24.228	023		F	Rel-5	5.0.0	S-S#3 update	CR	IMS-CCR	AGREED
N1-021041	24.228	024		F	Rel-5	5.0.0	S-S#4 update	CR	IMS-CCR	AGREED
N1-021098	24.228	025	2	F	Rel-5	5.0.0	CS-O, CS-T Reference Flow Update	CR	IMS-CCR	AGREED
N1-021085	24.229	008	4	B	Rel-5	5.0.0	Support for services for unregistered users	CR	IMS-CCR	AGREED
N1-021091	24.229	025	3	D	Rel-5	5.0.0	Incorporation of current RFC numbers	CR	IMS-CCR	AGREED
N1-021006	24.229	030	2	F	Rel-5	5.0.0	P-CSCF release of an existing session	CR	IMS-CCR	AGREED
N1-021099	24.229	036	4	C	Rel-5	5.0.0	Corrections to SIP Compression	CR	IMS-CCR	AGREED
N1-021003	24.229	041	2	F	Rel-5	5.0.0	Delivery of IMS security parameters from S-CSCF to the P-CSCF by using proprietary auth-param	CR	IMS-CCR	AGREED
N1-021059	24.229	047	2	D	Rel-5	5.0.0	Simplification of profile tables	CR	IMS-CCR	AGREED
N1-021007	24.229	053	2	F	Rel-5	5.0.0	Integrity protection signalling from the P-CSCF to the S-CSCF	CR	IMS-CCR	AGREED
N1-021001	24.229	057	1	D	Rel-5	5.0.0	Annex A editorials, including precondition additions	CR	IMS-CCR	AGREED
N1-021054	24.229	058	2	F	Rel-5	5.0.0	Representing the registrar as a UA	CR	IMS-CCR	AGREED
N1-021063	24.229	060	3	F	Rel-5	5.0.0	Restructuring of S-CSCF Registration Sections	CR	IMS-CCR	AGREED
N1-021060	24.229	061	2	F	Rel-5	5.0.0	Determination of MOC / MTC at P-CSCF and S-CSCF	CR	IMS-CCR	AGREED
N1-021004	24.229	064		F	Rel-5	5.0.0	Incorporation of previously agreed corrections to clause 5.2.5.2 (N1-020416)	CR	IMS-CCR	AGREED
N1-021005	24.229	065		D	Rel-5	5.0.0	Clause 7.2 editorial corrections	CR	IMS-CCR	AGREED
N1-021097	24.229	067	2	F	Rel-5	5.0.0	S-CSCF routing of MO calls	CR	IMS-CCR	AGREED
N1-021078	24.229	068	1	F	Rel-5	5.0.0	I-CSCF routing of dialog requests	CR	IMS-CCR	AGREED
N1-021096	24.229	069	2	F	Rel-5	5.0.0	Definition of the Tokenised-by parameter	CR	IMS-CCR	AGREED
N1-021022	24.229	073		F	Rel-5	5.0.0	Updates to the procedures involving the iFCs, following the Oulu iFC changes	CR	IMS-CCR	AGREED
N1-021086	24.229	074	1	F	Rel-5	5.0.0	Addition of DHCPv6 references to 24.229	CR	IMS-CCR	AGREED
N1-021083	24.229	075	1	F	Rel-5	5.0.0	Clarification to URL and address assignments	CR	IMS-CCR	AGREED
N1-021095	24.229	080		B	Rel-5	5.0.0	Introduction of IPv6 prefix and binding information	CR	IMS-CCR	AGREED

## CRs for e-mail agreement

None

## Documents Endorsed by N1

None

## Annex D Tdoc list (incl. the status)

A g e n d a	TDoc #	Tdoc Title	Source	Spec	WI	C_V ersio n	Rel	CA T	CR #	R e v	Type	Comments	Status
2	N1-020973	Agenda (Madrid0204)	Chairman								AGENDA		AGREED
3	N1-020974	LS on Multiple Codecs	CN3								LS IN	N3-020356, To: CN1, SA2, SA5	NOTED
3	N1-020975	Liaison Statement on "IPv6 update of stage 3 specifications"	CN3								LS IN	N3-020361, To: SA2 CC:CN, CN1, CN2, SA3, SA5,T, T1, T2	Forwarded to CN1#24
3	N1-020976	Liaison Statement on "Mapping rules for authorisation"	CN3								LS IN	N3-020362, To: SA2 CC:CN1	NOTED
3	N1-020977	Liaison Statement on TS 23.008: Organisation of subscriber data	CN4								LS IN	N4-020532, To: SA5 CC: CN1	NOTED
3	N1-020978	Response to LS (N4-020302) on Trace and Availability of IMSI and IMEI	RAN2								LS IN	R2-020796, To: CN4 CC: SA5, SA3, GERAN2, RAN3, CN1	Forwarded to CN1#24
3	N1-020979	Reply LS on "support for subscriber certificates" from SA3 (S3-020163)	SA5								LS IN	S5-022008, To: SA1, SA3 CC: CN1, CN4, T2, T3	Forwarded to CN1#24
3	N1-020980	Liaison Statement on TS 23.008 Organization of subscriber data	SA5								LS IN	S5-022016, To: CN1 CC: S2 GUP, CN4, SA2, SA1	NOTED
3	N1-020981	Liaison Statement on co-ordination of data definitions, identified in GUP development	SA5								LS IN	S5-022017, To: T2, SA3, SA4, CN1, CN4, CN5, T3, S2 CC: SA1	Forwarded to CN1#24
3	N1-020982	The use of USIMs and ISIMs for IMS	SA3								LS IN	S3-020167, To: SA2 CC: SA1, T3, CN1, T2	NOTED
7.0 2	N1-020983	Proposed Informational I-D on Cell ID (draft-mills-sip-access-network-info-00)	Vodafone/ Duncan Mills								OTHER		REVISED TO 1068
7.	N1-	Clarification to URL	Nokia/Kris	24.229	IMS-	5.0.0	Rel-5	F	075		CR		REVISED

10	020984	and address assignments	ztián Kiss		CCR												TO 1083
70	N1-020985	MRFC interface details	Lucent Technologies / Eric Henrikson									DISC					POSTPONED
70	N1-020986	MRFC INVITE interface details	Lucent Technologies / Eric Henrikson	24.229	IMS-CCR	5.0.0	Rel-5	F	014	1	CR						POSTPONED
70	N1-020987	MRFC OPTIONS interface details	Lucent Technologies / Eric Henrikson	24.229	IMS-CCR	5.0.0	Rel-5	F	015	1	CR						POSTPONED
70	N1-020988	AS to MRFC optimized signaling	Lucent Technologies / Eric Henrikson	24.229	IMS-CCR	5.0.0	Rel-5	F	017	1	CR						POSTPONED
70	N1-020989	MGCF OPTIONS interface details	Lucent Technologies / Eric Henrikson	24.229	IMS-CCR	5.0.0	Rel-5	F	021	1	CR						POSTPONED
702	N1-020990	IETF draft for original-dialog-id P-header	Lucent Technologies / Eric Henrikson	24.229	IMS-CCR	5.0.0	Rel-5					DISC					REVISED TO 1069
702	N1-020991	IETF draft for charging-function-addresses P-header	Lucent Technologies / Eric Henrikson	24.229	IMS-CCR	5.0.0	Rel-5					DISC					REVISED TO 1070
702	N1-020992	IETF draft for charging-vector P-header	Lucent Technologies / Eric Henrikson	24.229	IMS-CCR	5.0.0	Rel-5					DISC					REVISED TO 1070
702	N1-020993	Summary of current IETF documents on SIP	Lucent Technologies / Keith Drage		IMS-CCR		Rel-5					DISC					NOTED
702	N1-020994	Summary of current IETF documents on SIPPING	Lucent Technologies / Keith Drage		IMS-CCR		Rel-5					DISC					NOTED
702	N1-020995	Summary of current IETF documents on MMUSIC	Lucent Technologies / Keith Drage		IMS-CCR		Rel-5					DISC					NOTED
702	N1-020996	Summary of current IETF documents on SIMPLE	Lucent Technologies / Keith Drage		IMS-CCR		Rel-5					DISC					NOTED
70	N1-020997	Replacement of COMET by UPDATE	Lucent Technologies / Keith Drage	24.229	IMS-CCR	5.0.0	Rel-5	C	024	1	CR						Not available
71	N1-020998	Incorporation of current RFC numbers	Lucent Technologies / Keith Drage	24.229	IMS-CCR	5.0.0	Rel-5	D	025	2	CR						REVISED TO 1091
801	N1-020999	Discussion on documentation for Presence	Lucent Technologies / Keith		PRESENCE		Rel-6					DISC					NOTED

7.12	N1-021000	S-CSCF behavior in case of error from ApplicationServer in response to REGISTER	Lucent Technologies / Penny Bright	23.218	IMS-CCR	5.0.0	Rel-5	F	008	1	CR		REJECTED
7.11	N1-021001	Annex A editorials, including precondition additions	Lucent Technologies / Keith Drage	24.229	IMS-CCR	5.0.0	Rel-5	D	057	1	CR		AGREED
7.03	N1-021002	Representing the registrar as a UA	Lucent Technologies / Keith Drage	24.229	IMS-CCR	5.0.0	Rel-5	F	058	1	CR		REVISED TO 1054
7.11	N1-021003	Delivery of IMS security parameters from S-CSCF to the P-CSCF by using proprietary auth-param	Lucent Technologies / Keith Drage	24.229	IMS-CCR	5.0.0	Rel-5	F	041	2	CR		AGREED
7.11	N1-021004	Incorporation of previously agreed corrections to clause 5.2.5.2 (N1-020416)	Lucent Technologies / Keith Drage	24.229	IMS-CCR	5.0.0	Rel-5	F	064		CR		AGREED
7.11	N1-021005	Clause 7.2 editorial corrections	Lucent Technologies / Keith Drage	24.229	IMS-CCR	5.0.0	Rel-5	D	065		CR		AGREED
7.11	N1-021006	P-CSCF release of an existing session	Lucent Technologies / Keith Drage	24.229	IMS-CCR	5.0.0	Rel-5	F	030	2	CR		AGREED
7.11	N1-021007	Integrity protection signalling from the P-CSCF to the S-CSCF	Lucent Technologies / Keith Drage	24.229	IMS-CCR	5.0.0	Rel-5	F	053	2	CR		AGREED
7.03	N1-021008	DNS-NAPTR Query	Lucent Technologies / Milo Orsic	24.228	IMS-CCR	5.0.0	Rel-5	B	017		CR		REVISED TO 1055
7.03	N1-021009	S-CSCF interaction with HSS	Lucent Technologies / Milo Orsic	24.229	IMS-CCR	5.0.0	Rel-5	B	066		CR	See 1063.	REJECTED
7.07	N1-021010	S-CSCF routing of MO calls	Lucent Technologies / Milo Orsic	24.229	IMS-CCR	5.0.0	Rel-5	F	067		CR		REVISED TO 1077
7.07	N1-021011	I-CSCF routing of dialog requests	Lucent Technologies / Milo Orsic	24.229	IMS-CCR	5.0.0	Rel-5	F	068		CR		REVISED TO 1078
7.07	N1-021012	24.229: Alignment with 23.815 regarding charging correlation principles	NEC/Yukio Kawanami	24.229	IMS-CCR	5.0.0	Rel-5	F	002	3	CR		POSTPONED
7.07	N1-021013	24.229: Clarifications on CCF addresses	NEC/Yukio Kawanami	24.229	IMS-CCR	5.0.0	Rel-5	F	013	2	CR		POSTPONED
7.11	N1-021014	23.218: Clarifications on Interworking with	NEC/Yukio	23.218	IMS-CCR	5.0.0	Rel-5	F	009		CR	Not presented.	REVISED TO 1056

2		external ASs	Kawanami										
7.12	N1-021015	23.218: Clarifications on default handling procedure	NEC/Yukio Kawanami	23.218	IMS-CCR	5.0.0	Rel-5	F	003	3	CR		REVISED TO 1067
7.3	N1-021016	Discussion of the Registration event package	Siemens / Mark								DISC		NOTED
7.7	N1-021017	Update of flows in 10.1, 10.2 and 10.3	Ericsson, M. Garcia	24.228	IMS-CCR	5.0.0	Rel-5	F	018		CR		REVISED TO 1079
7.2	N1-021018	Proposed I-D on P-Visited-Network-ID SIP header	Ericsson, M. Garcia								INFO		REVISED TO 1072
7.2	N1-021019	Proposed I-D on P-Called-Party-ID SIP header	Ericsson, M. Garcia								INFO		REVISED TO 1073
7.3	N1-021020	Support for services for unregistered users	Ericsson, M. Garcia	24.229	IMS-CCR	5.0.0	Rel-5	B	008	2	CR		REVISED TO 1064
7.2	N1-021021	Replacing "call" with "session"... where appropriate	Ericsson/M Houde	23.218	IMS-CCR	5.0.0	Rel-5	F	010		CR		REJECTED
7.0	N1-021022	Updates to the procedures involving the iFCs, following the Oulu iFC changes	Ericsson/M Houde	24.229	IMS-CCR	5.0.0	Rel-5	F	073		CR		AGREED
7.2	N1-021023	On the reliability of triggering on SDP	Ericsson/M Houde	23.218	IMS-CCR	5.0.0	Rel-5	F	011		CR		REJECTED
7.5	N1-021024	Definition of the Tokenised-by parameter	Bajkó Gábor/No kia	24.229	IMS-CCR	5.0.0	Rel-5	F	069		CR		REVISED TO 1066
7.7	N1-021025	SDP procedures at UE	Bajkó Gábor/No kia	24.229	IMS-CCR	5.0.0	Rel-5	F	070		CR		REVISED TO 1080
7.7	N1-021026	RPID parameter insertion into the SIP messages	Bajkó Gábor/No kia	24.229	IMS-CCR	5.0.0	Rel-5	F	071		CR	Not available.	WITHDRAWN
7.3	N1-021027	Grouping of media to PDP context	Ericsson, A Monrad								INFO		POSTPONED
7.3	N1-021028	Logical grouping of media lines in SDP	Ericsson, A Monrad								INFO		Not available
7.3	N1-021029	Grouping of m-lines in SDP	Ericsson, A Monrad	24.229	IMS-CCR	5.0.0	Rel-5	B	072		CR		POSTPONED
7.3	N1-021030	Introduction of IMS signalling flag, IPv6 prefix and binding information	Ericsson, A Monrad	24.229	IMS-CCR	5.0.0	Rel-5	B	040	2	CR		REVISED TO 1065
7.2	N1-021031	TS23.218 v5.0.0+CN1#23rev1	dynamicsoft, Andrew Allen	23.218	IMS-CCR	5.0.0	Rel-5	F			TS		NOTED
7.7	N1-021032	MO, S-S, MT #2 reference flows update	dynamicsoft, Andrew Allen	24.228	IMS-CCR	5.0.0	Rel-5	F	019		CR		REVISED TO 1081
7.1	N1-021033	23.218: Passing charging correlation	NEC/Yukio	23.218	IMS-CCR	5.0.0	Rel-5	F	004	2	CR		POSTPONED

2		information	Kawanami										
7.07	N1-021034	Session Redirection Flow Update	AWS/Hugh Shieh	24.228	IMS-CCR	5.0.0	Rel-5	F	020		CR		POSTPONED
7.07	N1-021035	Session Transfer Flow Update	AWS/Hugh Shieh	24.228	IMS-CCR	5.0.0	Rel-5	F	021		CR		Not available
7.00	N1-021036	Addition of DHCPv6 references to 24.229	Ericsson, M.Garcia	24.229	IMS-CCR	5.0.0	Rel-5	F	074		CR		REVISED TO 1086
7.00	N1-021037	Addition of DHCPv6 references to 24.228	Ericsson, M.Garcia	24.228	IMS-CCR	5.0.0	Rel-5	F	022		CR		REVISED TO 1087
7.07	N1-021038	RPID parameter insertion into the SIP messages	Bajkó Gábor/Nokia	.			Rel-5				DISC		NOTED
7.07	N1-021039	MO, S-S, MT #1a reference flow update	Nokia/Krisztián Kiss	24.228	IMS-CCR	5.0.0	Rel-5	F	004	2	CR	Check the title.	REVISED TO 1061
7.07	N1-021040	S-S#3 update	Nokia/Krisztián Kiss	24.228	IMS-CCR	5.0.0	Rel-5	F	023		CR		AGREED
7.07	N1-021041	S-S#4 update	Nokia/Krisztián Kiss	24.228	IMS-CCR	5.0.0	Rel-5	F	024		CR		AGREED
7.02	N1-021042	TS 24.228 v5.0.0+CN1#23	Nokia/Krisztián Kiss	24.228	IMS-CCR	5.0.0	Rel-5	F			3GPP TS		NOTED
7.00	N1-021043	Corrections to SIP Compression	Nortel Networks/Sonia Garapaty	24.229	IMS-CCR	5.0.0	Rel-5	C	036	2	CR		REVISED TO 1088
7.07	N1-021044	CS-O, CS-T Reference Flow Update	Nortel Networks/Sonia Garapaty	24.228	IMS-CCR	5.0.0	Rel-5	F	025		CR		REVISED TO 1082
7.02	N1-021045	draft-garapaty-sip-access-network	Nortel Networks/Sonia Garapaty		IMS-CCR						INFO	Covered by 983.	Not available
8.01	N1-021046	Kirsi's presentation with ppt	Nokia/Kirsi		PRESENCE		Rel-6				INFO		NOTED
7.03	N1-021047	Restructuring P-CSCF Registration Sections	Siemens / Georg Mayer	24.229	IMS-CCR	5.0.0	Rel-5	F	076		CR		Not available
7.03	N1-021048	Restructuring UE Registration Sections	Siemens / Georg Mayer	24.229	IMS-CCR	5.0.0	Rel-5	F	077		CR		Not available
7.03	N1-021049	Restructuring S-CSCF Registration abnormal cases	Siemens / Georg Mayer	24.229	IMS-CCR	5.0.0	Rel-5	F	078		CR		Not available
7.07	N1-021050	Changing Request URI in 24.228 call flows to tel/sip URLs	Siemens / Georg Mayer								DISC		NOTED
7.07	N1-021051	24.228 hiding call flows - first changes	Siemens / Georg Mayer								DISC		Not available
7.00	N1-021052	Relation of IMS media components	Nokia								DISC		NOTED

3		and PDP contexts carrying IMS media											
7.03	N1-021053	Relation of IMS media components and PDP contexts carrying IMS media	Nokia	24.228	IMS-CCR	5.0.0	Rel-5	B	026		CR		Not available
7.03	N1-021054	Representing the registrar as a UA	Lucent Technologies / Keith Drage	24.229	IMS-CCR	5.0.0	Rel-5	F	058	2	CR	Revised from 1002. Conditionally agreed to CR047 to this meeting is agreed.	AGREED
7.03	N1-021055	DNS-NAPTR Query	Lucent Technologies / Milo Orsic	24.228	IMS-CCR	5.0.0	Rel-5	B	017	1	CR	Revised from 1008	REVISED TO 1090
7.12	N1-021056	23.218: Clarifications on Interworking with external ASs	NEC/Yukio Kawanami	23.218	IMS-CCR	5.0.0	Rel-5	F	009	1	CR	Revised from 1014.	POSTPONED
7.11	N1-021057	Simplification of profile tables	Lucent Technologies / Keith Drage	24.229	IMS-CCR	5.0.0	Rel-5	D	047	1	CR	Not presented. Revision of agreed CR047	REVISED TO 1059
7.02	N1-021058	TS 24.229 v5.0.0+CN1#23	Lucent Technologies / Keith Drage	24.229	IMS-CCR	5.0.0	Rel-5				TS		NOTED
7.11	N1-021059	Simplification of profile tables	Lucent Technologies / Keith Drage	24.229	IMS-CCR	5.0.0	Rel-5	D	047	2	CR	Revised from 1057	AGREED
7.07	N1-021060	Determination of MOC / MTC at P-CSCF and S-CSCF	Siemens / Georg Mayer	24.229	IMS-CCR	5.0.0	Rel-5	F	061	2	CR	Revised from 958	AGREED
7.07	N1-021061	MO, S-S, MT #1a reference flow update	Nokia/Krisztián Kiss	24.228	IMS-CCR	5.0.0	Rel-5	F	004	3	CR	Revised from 1039	AGREED
4	N1-021062	CN1 Open Items List	Dynamics oft, Andrew Allen								INFO		NOTED
7.03	N1-021063	Restructuring of S-CSCF Registration Sections	Lucent T./ Milo	24.229	IMS-CCR	5.0.0	Rel-5	F	060	3	CR	Content based on 1009. Revised from 969	AGREED
7.03	N1-021064	Support for services for unregistered users	Ericsson, M. Garcia	24.229	IMS-CCR	5.0.0	Rel-5	B	008	3	CR	Revised from 1020	REVISED TO 1085
7.03	N1-021065	Introduction of IMS signalling flag, IPv6 prefix and binding information	Ericsson, A Monrad	24.229	IMS-CCR	5.0.0	Rel-5	B	040	3	CR	Revised from 1030. Not available.	REVISED TO 1094
7.05	N1-021066	Definition of the Tokenised-by parameter	Bajkó Gábor/Nokia	24.229	IMS-CCR	5.0.0	Rel-5	F	069	1	CR	Revised from 1024	REVISED TO 1096
7.12	N1-021067	Clarification on SPI related text	NEC/Yukio Kawanami	23.218	IMS-CCR	5.0.0	Rel-5	F	003	4	CR	Revised from 1015	REVISED TO 1100
7.0	N1-021068	Proposed Informational I-D on	Vodafone/ Duncan								OTHER	Revised from 983	REVISED TO 1089

2		Cell ID (draft-mills-sip-access-network-info-00)	Mills																
7.02	N1-021069	IETF draft for original-dialog-id P-header	Lucent Technologies / Eric Henrikson	24.229	IMS-CCR	5.0.0	Rel-5							DISC	Revised from 990			NOTED	
7.02	N1-021070	IETF draft for mobile-charging-information P-headers	Lucent Technologies / Eric Henrikson	24.229	IMS-CCR	5.0.0	Rel-5							DISC	Revised from 991 and 992			NOTED	
7.12	N1-021071	Update of the S-CSCF AS relationship, for REGISTER	Ericsson/ M. Houde	23.218	IMS-CCR	5.0.0	Rel-5	F	012				CR					REVISED TO 1101	
7.02	N1-021072	Proposed I-D on P-Visited-Network-ID SIP header	Ericsson, M. Garcia											INFO	Revised from 1018			NOTED	
7.02	N1-021073	Proposed I-D on P-Called-Party-ID SIP header	Ericsson, M. Garcia											INFO	Revised from 1019			NOTED	
7.02	N1-021074	Downloading the implicitly registered public user identities from the S-CSCF to P-CSCF	Bajkó Gábor/No kia	24.229	IMS-CCR	5.0.0	Rel-5	F	079				CR					POSTPONED	
7.02	N1-021075	Downloading the implicitly registered public user identities from the S-CSCF to P-CSCF	Bajkó Gábor/No kia	24.228	IMS-CCR	5.0.0	Rel-5	F	028				CR					POSTPONED	
7.02	N1-021076	Internet Draft for P-Associated-URL	Ericsson											INFO				NOTED	
7.07	N1-021077	S-CSCF routing of MO calls	Lucent Technologies / Milo Orsic	24.229	IMS-CCR	5.0.0	Rel-5	F	067	1		CR		Revised from 1010			REVISED TO 1097		
7.07	N1-021078	I-CSCF routing of dialog requests	Lucent Technologies / Milo Orsic	24.229	IMS-CCR	5.0.0	Rel-5	F	068	1		CR		Revised from 1011			AGREED		
7.07	N1-021079	Update of flows in 10.1, 10.2 and 10.3	Ericsson, M. Garcia	24.228	IMS-CCR	5.0.0	Rel-5	F	018	1		CR		Revised from 1017			Not available		
7.07	N1-021080	SDP procedures at UE	Bajkó Gábor/No kia	24.229	IMS-CCR	5.0.0	Rel-5	F	070	1		CR		Revised from 1025			Not available		
7.07	N1-021081	MO, S-S, MT #2 reference flows update	dynamicsoft, Andrew Allen	24.228	IMS-CCR	5.0.0	Rel-5	F	019	1		CR		Revised from 1032. Not presented.			REVISED TO 1092		
7.07	N1-021082	CS-O, CS-T Reference Flow Update	Nortel Networks/ Sonia Garapaty	24.228	IMS-CCR	5.0.0	Rel-5	F	025	1		CR		Revised from 1044			REVISED TO 1098		
7.10	N1-021083	Clarification to URL and address assignments	Nokia/Krisztián Kiss	24.229	IMS-CCR	5.0.0	Rel-5	F	075	1		CR		Revised from 984			AGREED		
9	N1-021084	Liaison Statement on discovery and	Keith										LS OUT	Related to 985. To: SA2			AGREED		



		subsequent request of specific capabilities within the MRFC/MRFP (and discovery of specific capabilities within the MGCF/MGW)											
7.03	N1-021085	Support for services for unregistered users	Ericsson, M. Garcia	24.229	IMS-CCR	5.0.0	Rel-5	B	008	4	CR	Revised from 1020 and 1064	AGREED
7.10	N1-021086	Addition of DHCPv6 references to 24.229	Ericsson, M.Garcia	24.229	IMS-CCR	5.0.0	Rel-5	F	074	1	CR	Revised from 1036	AGREED
7.10	N1-021087	Addition of DHCPv6 references to 24.228	Ericsson, M.Garcia	24.228	IMS-CCR	5.0.0	Rel-5	F	022	1	CR	Revised from 1037	AGREED
7.10	N1-021088	Corrections to SIP Compression	Nortel Networks/ Sonia Garapaty	24.229	IMS-CCR	5.0.0	Rel-5	C	036	3	CR	Revised from 1043	REVISED TO 1099
7.02	N1-021089	Proposed Informational I-D on Cell ID (draft-mills-sip-access-network-info-00)	Vodafone/ Duncan Mills								OTHER	Revised from 983 and 1068	NOTED
7.03	N1-021090	DNS-NAPTR Query	Lucent Technologies / Milo Orsic	24.228	IMS-CCR	5.0.0	Rel-5	B	017	2	CR	Revised from 1008 and 1055	AGREED
7.11	N1-021091	Incorporation of current RFC numbers	Lucent Technologies / Keith Drage	24.229	IMS-CCR	5.0.0	Rel-5	D	025	3	CR	Revised from 998	AGREED
7.07	N1-021092	MO, S-S, MT #2 reference flows update	dynamicsoft, Andrew Allen	24.228	IMS-CCR	5.0.0	Rel-5	F	019	2	CR	Revised from 1032 and 1081	AGREED
4	N1-021093	Updated list of P-Headers	Dynamicsoft Andrew Allen								INFO		REVISED TO 1104
7.03	N1-021094	Introduction of IMS signalling flag	Ericsson, A Monrad	24.229	IMS-CCR	5.0.0	Rel-5	B	040	4	CR	Revised from 1030 and 1065	POSTPONED
7.03	N1-021095	Introduction of IPv6 prefix and binding information	Ericsson, A Monrad	24.229	IMS-CCR	5.0.0	Rel-5	B	080		CR		AGREED
7.05	N1-021096	Definition of the Tokenised-by parameter	Bajkó Gábor/No kia	24.229	IMS-CCR	5.0.0	Rel-5	F	069	2	CR	Revised from 1024 and 1066	AGREED
7.07	N1-021097	S-CSCF routing of MO calls	Lucent Technologies / Milo Orsic	24.229	IMS-CCR	5.0.0	Rel-5	F	067	2	CR	Revised from 1010 and 1077	AGREED
7.07	N1-021098	CS-O, CS-T Reference Flow Update	Nortel Networks/ Sonia Garapaty	24.228	IMS-CCR	5.0.0	Rel-5	F	025	2	CR	Revised from 1044 and 1082	AGREED
7.10	N1-021099	Corrections to SIP Compression	Nortel Networks/ Sonia Garapaty	24.229	IMS-CCR	5.0.0	Rel-5	C	036	4	CR	Revised from 1043 and 1088	AGREED

7.1 2	N1-021100	Clarification on SPI related text	NEC/Yukio Kawanami	23.218	IMS-CCR	5.0.0	Rel-5	F	003	5	CR	Revised from 1015 and 1067	REVISED TO 1102
7.1 2	N1-021101	Update of the S-CSCF AS relationship, for REGISTER	Ericsson/M. Houde	23.218	IMS-CCR	5.0.0	Rel-5	F	012	1	CR	Revised from 1071	REVISED TO 1103
7.1 2	N1-021102	Clarification on SPI related text	NEC/Yukio Kawanami	23.218	IMS-CCR	5.0.0	Rel-5	F	003	6	CR	Revised from 1015, 1067 and 1100	AGREED
7.1 2	N1-021103	Update of the S-CSCF AS relationship, for REGISTER	Ericsson/M. Houde	23.218	IMS-CCR	5.0.0	Rel-5	F	012	2	CR	Revised from 1071 and 1101	AGREED
4	N1-021104	Updated list of P-Headers	Dynamics of Andrew Allen								INFO	Revised from 1093	NOTED

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## Annex E Liaison Statements OUT

TDoc #	Status	Source	Tdoc Title	Type	Comments
N1-021084	AGREED	Keith	Liaison Statement on discovery and subsequent request of specific capabilities within the MRFC/MRFP (and discovery of specific capabilities within the MGCF/MGW)	LS OUT	Related to 985. To: SA2

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## Annex F Aged Work Items

None

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## Annex G Agreed specifications (TS or TR)

None

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## Annex H List of CRs to N1 drafts

None since no draft is worked on in CN1.