3GPP TSG CN Plenary **Tdoc NP-000685**
Meeting #10, Bangkok, Thailand
6th – 8th December 2000

3GPP TSG-CN WG1 #14 ***Tdoc N1-001224***
20.-24. November, 2000
Cardiff, UK

Agenda Item: 8.2

WI / Topic: **SIP call control protocol for the IM subsystem**

Source: TSG-CN WG1#14

Title: Summary of the first CN1 SIP ad hoc meeting

Effected Specifications / Releases: Rel 5

Document for: Information

Date: **19. October 2000**

Agenda Item: 8.2

WI / Topic: **SIP call control protocol for the IM subsystem**

Source: TSG-CN WG1 SIP ad hoc #1

Title: Summary of the first CN1 SIP ad hoc meeting

Effected Specifications / Releases: Rel 5

Document for: Information and approval

Date: **19. October 2000**

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1. Summary

The first CN1 SIP ad hoc meeting was held in Sophia Antipolis, hosted by ETSI, on the 17th – 19th October 2000.

2. Issues for CN1 endorsement

2.1 Working procedures

1. An extension to standard IETF SIP which is agreed in CN1 SIP ad hoc meeting needs to be approved in regular CN1 meeting.
2. The approval of CN1 SIP ad hoc meeting contributions may take the form of an email approval which shall be conducted according to the CN1 ToR. The chairman was tasked to make a proposal to reflect this procedure in CN1 ToR.

3. An easily identifiable 3GPP contributor name will be used when presenting agreed joint 3GPP contributions to IETF.
4. No organisation will be set up within CN1 to communicate the IETF responses to 3GPP contributions. Instead the delegates are encouraged to subscribe to the IETF SIP mailing list.
5. The new specifications which need to be started for SIP are allowed to contain an informative annex of less stable proposals and open items for CN1. Once the decisions stabilise the related sections are moved to the main body of the specification with the aim of having no unstable open items annexed to the specification at the time of publishing it as a standard.
6. The rapporteur indicated that he can not cope with the workload of editing detailed signalling flows document alone and co-editors are invited e.g. for some sections of the specification.
7. The proposed new specifications will not be placed under formal version control for some time but it was agreed that only formal proposals of additions complying with the drafting rules should be provided. This does not need to be a CR, nor does it preclude presenting discussion documents to discuss ideas and principles but any proposed addition or amendment to the specification should be copy-pasteable to the specification as such if it is agreed in the meeting.

2.2 Technical proposals

1. New stage 3 specification on detailed multimedia signalling flows should be created. To align with the specification numbers of stage 1 and stage 2 the proposed specification number is 24.228. The initial draft of the document with scope and outline is in tdoc N1-001114.
2. New stage 3 specification on multimedia call control based on SIP and SDP should be created. Proposed specification number is 24.229. The initial draft of the document with scope and outline is in tdoc N1-001115.
3. New stage 3 call model specification should be created. No outline or scope exists yet but the proposed specification should be understood as "IM version of 23.018".

3. Issues for CN1 information

3.1. Technical issues

The following main big questions are not a complete open item list but a summary of the main decision points that which need to be agreed upon in order to proceed with the signalling flows. The list is drawn from SA2 originated N1-001094. The decisions need to balance between the memory requirements and complexity of the affected entity, radio interface efficiency and security.

The Registration 'Trail of Breadcrumbs'
Maintenance (memorising) of the signaling path established during registration. Even ruling out the UE as a candidate to store the path due to memory and security reasons leaves the decision to be made between P-CSCF and S-CSCF.

SIP 'Via' and 'Route' headers, and route hiding
Caller ID blocking (CLIB) requires route hiding as the call route could reveal some details about the callers identity. Removing all such information by deleting 'Via' and 'Route' headers at the P-CSCF would be easy solution but the information must still be kept somewhere for traceability reasons. Basically two alternatives have been identified, either keeping the information from 'Via', 'Record-Route' and 'Route' headers in the P-CSCF or in the UE but in encrypted form so that the UE or the user would have no access to the information.

Return-call service when originator requested CLIB
In case the caller has requested for CLIB but the network operator wants to offer return-call service for the callee then there has got to be some means of addressing the original caller without revealing his

identity. Here the identity information hidden from the user can be stored in P-CSCF, S-CSCF or UE. If it is given to the UE then the identity information must be encrypted.

Temporary storage of billing information for Call-Transfer, Call-Forward-No-Answer, and other services
Similarily to the above cases there are situations when hidden information need to be given to an endpoint for immediate use in establishing an new call. And again there is a question on whether it should be P-CSCF, S-CSCF or UE that stores the information. In case of UE the information must be in encrypted form.

3.2. Meetings

CN1 – SA2 joint meeting on SIP issues is needed to discuss particularly the stage 2 23.228 requirements and the starting of the detailed signalling flows in 24.228.

More CN1 SIP ad hoc meetings are needed due to the large workload. The following CN1 SIP related meetings are proposed:

2000:
CN1 SIP ad-hoc 17.-19.10.2000 (Sophia Antipolis)
TSGN1 #14 20.11 – 24.11.2000 (Cardiff, UK/Lucent)
CN1-SA2 SIP joint meeting on SIP 28.11.2000 with possibility to extend to 29.11.2000 in a smaller CN1 drafting meeting (New Jersey / USA)
TSGN#10 6.-8.12.2000

2001:
CN1 #15 15.-19.1.2001 (Host needed)
(N4 is at the same time)
CN1 – SA2 SIP ad hoc
22.1.2001 with possibility to extend to 23.1.2001 in smaller drafting group
CN1 – SA2 SIP ad hoc 26.2.2001 (CN1 and SA2 should be co-located)
CN1 #16 27.2.-1.3.2001 (Host needed)
(N4 is at the same time)
CN #11 14.-16.3.2001 (US)
CN1 – SA2 SIP ad hoc 3.-4.4.2001 (Nokia candidate host)
CN1 #17 14.-18.5.2001 (Host needed)
(N4 is at the same time)
CN #12 13.-15.6.2001 (Europe)
CN1 #18 27.-31.8.2001 (Host needed)
CN #13 19.-21.9.2001 (China)
CN1 #19 22.-26.10.2001 (Host needed)
CN1 #20 20.-23.11.2001 (Host needed)
CN #14 12.-14.12.2001 (Japan)