3GPP CN1-SA2 SIP adhoc
3 – 4 April, 2001   *Tdoc N1-010588*
Sophia Antipolis, France

Title:	**LS on "Security for IM SIP session Signaling"**
Source:	**TSG SA2-CN1 Joint SIP Adhoc**
To:	**TSG SA WG3, TSG CN WG1**
CC;	**TSG SA WG2**

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Attachments: None

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CN1 is currently developing the signaling flows for the IM subsystem in TS 24.228. In this specification CN1 has already started the process of specifying the use of SIP header fields within the SIP signalling messages, including which nodes add headers or modify their contents, based on the architecture specified in TS 23.228

CN1 is aware that SA3 held a joint meeting with SA2 in February where security issues with the IM subsystem were discussed including the security associations between nodes. CN1 also understands that at this meeting some concern was raised that there are issues arising between the security associations currently proposed by SA3 and the SIP protocol header useage currently being defined by CN1.

In order to achieve a full mutual understanding by both working groups of the issues of mutual interest regarding SIP signalling security and to prevent any incompatible work progressing in this area between the two groups, CN1 believes that a presentation by SA3 on the issue of SIP signalling security would be very beneficial and therefore invites SA3 to send representatives to make such a presentation to CN1 in the near future. CN1 would also be happy to provide experts to make a presentation to SA3 on the current details of SIP signalling.

The following security related issues have already been identified by CN1:

- SIP Header Parameter modification by I-CSCF

- Via and Record Route Header Hiding by I-CSCF

- Contact header modification by P-CSCF

- Useage of the User Private Identity

- Authentication of Invite and other SIP session signaling messages

- Integrity protection of SIP signalling messages (especially the first message that is sent)

- Requirement for SIP signaling to support Key exchange for encryption of bearer

CN1 has their next meeting on the week of 14th May.