Network Working Group
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Draft Charter for SIP Working Group
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Status of this Memo

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Abstract

This document is not intended to every become an RFC. It is an experiment in seeing if the current document submission tool and Internet Draft tracker tools can be used by the IESG in processing charter updates.

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1. Introduction

The IESG reviews updates to WG charters. It would be convenient to have tools to not lose any changes, make sure everyone reviewed the same document, easily see the changes from one version to the next, and have a history of changes. There are many ways that this could be done but this document is an experiment to see how well the existing tools that the IESG uses to process Internet Drafts can be used to process a Charter update.

This document is only a draft and does not represent the charter. The current charter for this WG can be found at [Charter]. This document is not a request to get feedback on the charter text contained in it.

The following section contains the text of the proposed charter.

2. Charter

2.1. Chair(s):

Dean Willis <dean.willis@softarmor.com>

Keith Drage <drage@lucent.com>

2.2. Real-time Applications and Infrastructure Area Director(s):

Jon Peterson <jon.peterson@neustar.biz>

Cullen Jennings <fluffy@cisco.com>

2.3. Real-time Applications and Infrastructure Area Advisor:

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2.4. Technical Advisor(s):

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2.5. Mailing Lists:

General Discussion: sip@ietf.org

To Subscribe: sip-request@ietf.org

In Body: subscribe

Archive: http://www.ietf.org/mail-archive/web/sip/index.html

2.6. Description of Working Group:

The Session Initiation Protocol (SIP) working group is chartered to maintain and continue the development of SIP, currently specified as proposed standard RFC 3261, and its family of extensions.

SIP is a text-based protocol, similar to HTTP and SMTP, for initiating interactive communication sessions between users. Such sessions include voice, video, chat, interactive games, and virtual reality. The main tasks of the group involve bringing SIP from proposed to draft standard and specifying and developing proposed extensions that arise out of strong requirements. The SIP working group will concentrate on the specification of SIP and its extensions, and will not explore the use of SIP for specific environments or applications. It will, however respond to general-purpose requirements for changes to SIP provided by other working groups, including the SIPPING working group, when those requirements are within the scope and charter of SIP. The process and requirements for such extensions are documented in RFC 3427, "Change Process for the Session Initiation Protocol".

Throughout its work, the group will strive to maintain the basic model and architecture defined by SIP. In particular:

1. Services and features are provided end-to-end whenever possible.

2. Standards-track extensions and new features must be generally applicable, and not applicable only to a specific set of session types.

3. Simplicity is key.

4. Reuse of existing Internet protocols and architectures and integrating with other Internet applications is crucial.

The primary source of change requirements to be considered by the SIP Working Group is the SIPPING working group, which analyzes the requirements for application of SIP to several different tasks, including the tasks of standards-development organizations that are developing systems based on SIP and that may require changes or extensions thereto. Additional requirements are produced by the other IETF working groups that are using SIP, including the SIMPLE WG (which is using SIP for messaging and presence) and the XCON working group (which is using SIP for centralized conferencing).

In addition to extending SIP as required to address these externally-

derived requirements, the deliverables of the group include assuring capable security and privacy mechanisms within SIP and increasing the stability of the SIP specification. Specific deliverables toward these goals include:

1. Mechanisms for secure expression of identity in requests and responses.

2. Mechanism to securely request services delivery by non-terminal elements ("end-to-middle").

3. Guidelines for use of existing security mechanisms such as TLS, IPsec, and certificates.

4. Guidelines for the use of descriptive techniques such as SAML (Security Association Markup Language) with SIP.

5. Draft standard versions of SIP and critical supporting specifications.

Other deliverables may be agreed upon as extensions are understood to be necessary. Prospective deliverables will be discussed with the Area Director before inclusion on agendas, and new proposed work must be approved via a charter update.

2.7. Goals and Milestones:

Done	Server Features Negotiation submitted to IESG
Done	Complete IESG requested fixes to provrel and servfeat
Done	Revised proposed standard version of SIP (2543bis) submitted to IESG
Done	SIP Events specification to IESG
Done	The UPDATE Method submitted for Proposed Standard
Done	SIP extensions for media authorization (call-auth) submitted as Informational
Done	Preconditions extensions (manyfolks) spec to IESG
Done	SIP Privacy specification to IESG

Done	SIP Privacy and Security Requirements to IESG
Done	The MESSAGE Method submitted for Proposed Standard
Done	The Replaces Header submitted for Proposed Standard
Done	Refer spec to IESG Done SIP NAT extension submitted to IESG
Done	SIP over SCTP specification and applicability statement
Done	Mechanism for Content Indirection in SIP submitted to IESG for Proposed Standard
Done	The SIP Referred-By Header submitted to IESG for Proposed Standard
Done	Session Timer spec, revised to IESG
Done	Caller preferences specification submitted to IESG
Done	Submit SIP Identity documents to IESG for Proposed Standard
Done	The SIP Join Header submitted to IESG for Proposed Standard
Done	Replaces header to IESG (PS)
Done	Upgrade S/MIME requirement for AES in 3261 to IESG (PS)
Done	Application Interaction to IESG (BCP)
Done	Presence Publication to IESG (PS)
Done	Resource Priority signaling mechanism to IESG (PS)
Done	Guidelines for Authors of SIP extensions submitted as Informational
Done	Enhancements for Authenticated Identity Management to IESG (BCP)
Done	MIB spec to IESG Done Request History mechanism to IESG (PS)
Done	Mechanism for obtaining globally routable unique URIs (GRUU) to WGLC (PS)

Sep 2006 Mechanism for obtaining globally routable unique URIs (GRUU) to IESG (PS)

Done Mechanism for REFER without implicit SUBSCRIBE to IESG (PS)

Done Connection reuse mechanism to start WGLC (PS)

Apr 2007 Connection reuse mechanism to IESG (PS)

Done Mechanism for Target-Dialog to IESG (PS)

Done Submit Answering/Alerting Modes to the WGLC (PS)

Aug 2006 Submit Answering/Alerting Modes to the IESG (PS)

Done Mechanism for feature parameters with REFER To IESG (PS)

Aug 2006 Mechanism and guidelines for outbound connections to WGLC (PS)

Sep 2006 Mechanism and guidelines for outbound connections to IESG (PS)

Sep 2006 Certificate Management Service for SIP to WGLC (PS)

Nov 2006 Certificate Management Service for SIP to IESG (PS)

Sep 2006 Location Conveyance with SIP to WGLC (PS)

Dec 2006 Location Conveyance with SIP to IESG (PS)

Done Mechanism for End-to-Middle Requests to IESG (PS)

Aug 2006 Mechanism for connected identity to WGLC (PS)

Oct 2006 Mechanism for connected identity to IESG (PS)

Sep 2007 Using SAML for SIP to WGLC (PS)

Dec 2007 Using SAML for SIP to IESG (PS)

Sep 2006 Rejecting Anonymous Requests to WGLC (PS)

Oct 2006 Rejecting Anonymous Requests to IESG (PS)

Jul 2006 Diagnostic Responses for SIP Hop Limit Errors to WGLC (PS)

Oct 2006 Diagnostic Responses for SIP Hop Limit Errors to IESG (PS)

Done Addressing an Amplification Vulnerability in Forking Proxies to WGLC (PS)

Oct 2006 Addressing an Amplification Vulnerability in Forking Proxies to IESG (PS)

Sep 2006 Example security flows to WGLC (Informational)

Dec 2006 Example security flows to IESG (Informational)

Dec 2006 Roadmap for SIP to WGLC (Informational)

Mar 2007 Roadmap for SIP to IESG (Informational)

Oct 2006 Extensions to SIP UA Profile Delivery Change Notification Event Package for XCAP to WGLC (PS)

Dec 2006 Extensions to SIP UA Profile Delivery Change Notification Event Package for XCAP to IESG (PS)

Aug 2006 Consent-Based Communications WGLC (PS)

Oct 2006 Consent-Based Communications to IESG (PS)

Sep 2006 Session Policies to WGLC as PS

Nov 2006 Session Policies to IESG as PS

Sep 2006 Refering to Multiple Resources to WGLC as PS

Oct 2006 Refering to Multiple Resources to IESG as PS

Mar 2007 Guidelines for use of SIP security to WGLC (Informational)

Jun 2007 Guidelines for use of SIP security to IESG (Informational)

Jun 2007 Identify requirements for test matrix to move SIP to Draft Standard

Jun 2007 Revise charter

3. IANA Considerations

This document is not intended to ever become an RFC. This document makes no request of IANA.

4. Security Considerations

This document is not intended to ever become an RFC. It has no security considerations.

5. Acknowledgements

The SIP Chairs and previous Area Directors of the SIP working group along with many others contributors wrote all of this text.

6. Normative References

[Charter] "http://www.ietf.org/html.charters/sip-charter.html".

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Acknowledgment

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