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## DECLARATION

I, Alexa Morris, based on my personal knowledge and information, hereby declare as follows:

1. I am Executive Director of the Internet Engineering Task Force (“IETF”) and have held this position since January 1, 2008.
2. Among my responsibilities as Executive Director, I act as the custodian of Internet-Drafts for the IETF and records relating to Internet-Drafts. I am familiar with the record keeping practices relating to Internet-Drafts, including the creation and maintenance of such records.
3. I make this declaration based on my personal knowledge and information contained in the business records of the IETF, or confirmation with other responsible IETF personnel with such knowledge.
4. Since 1998, it has been the regular practice of the IETF to publish Internet-Drafts and make them available to the public on its website at [www.ietf.org](http://www.ietf.org) (the IETF website). The IETF maintains copies of Internet-Drafts in the ordinary course of its regularly conducted activities.
5. Any Internet-Draft published on the IETF website was reasonably accessible to the public and was disseminated or otherwise available to the extent that persons interested and ordinarily skilled in the subject matter or art exercising reasonable diligence could have located it. In particular, the Internet-Drafts were indexed and searchable on the IETF website.
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publication of the Internet-Draft. The announcement is kept in the IETF email archive and the date is affixed automatically.

- 7. The records of posting the Internet-Drafts in the IETF online repository are kept in the course of the IETF's regularly conducted activity and ordinary course of business. The records are made pursuant to established procedures and are relied upon by the IETF in the performance of its functions.
- 8. It is the regular practice of the IETF to make and keep the records in the online repository.
- 9. Exhibit 1 is a true and correct copy of draft-rosenberg-sipping-ice-00, titled "Interactive Connectivity Establishment (ICE): A Methodology for Network Address Translator (NAT) Traversal for the Session Initiation Protocol (SIP)." The Internet-Draft shows that an announcement of its publication was made on February 24, 2003.

Pursuant to Section 1746 of Title 28 of United States Code, I declare under penalty of perjury under the laws of the United States of America that the foregoing is true and correct and that the foregoing is based upon personal knowledge and information and is believed to be true.

Date: Sept 19, 2018 By:   
Alexa Morris



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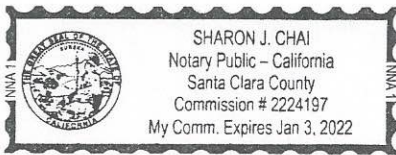
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Interactive Connectivity Establishment (ICE): A Methodology for  
Network Address Translator (NAT) Traversal for the Session Initiation  
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[draft-rosenberg-sipping-ice-00](#)

Status of this Memo

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This Internet-Draft will expire on August 25, 2003.

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Abstract

This document describes a methodology for Network Address Translator (NAT) traversal for the Session Initiation Protocol (SIP). This methodology is called Interactive Connectivity Establishment (ICE). ICE is not a new protocol, but rather makes use of existing protocols, such as Simple Traversal of UDP Through NAT (STUN), Traversal Using Relay NAT (TURN) and even Real Specific IP (RSIP). ICE works through the mutual cooperation of both endpoints in a SIP dialog. By having the endpoints work together in NAT traversal, a number of important properties are obtained. ICE always works, independent of the types or number of NATs. It always represents the cheapest solution for a carrier. It always results in the minimum

voice latency. It can be done with no increase in call setup delays. It is far less brittle than STUN. ICE also facilitates the transition of the Internet from IPv4 to IPv6, supporting calls between dual-stack and v6 clients behind a 4to6 NAT. Preconditions can be used in conjunction with ICE, to guarantee that the phone never rings unless the users will both hear and see each other when they pick up.

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