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Reclassifying SIIT (RFC7915) to Internet Standard
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Abstract

This document reclassifies IP/ICMP Translation Algorithm ([RFC7915]) to Internet Standard.

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1. Introduction

This document proposes that IP/ICMP Translation Algorithm ([RFC7915]) is advanced Internet Standard, following RFC6410 ([RFC6410]).

(1) There are at least two independent interoperating implementations with widespread deployment and successful operational experience.

IP/ICMP Translation Algorithm ([RFC7915]) has been widely implemented by at least a dozen of vendors and its being used in commercial deployments by hundreds of millions of devices.

(2) There are no errata against the specification that would cause a new implementation to fail to interoperate with deployed ones.

IP/ICMP Translation Algorithm ([RFC7915]) has 2 errata, none of which would cause new interoperability problems.

(3) There are no unused features in the specification that greatly increase implementation complexity.

There are no unused features.

(4) If the technology required to implement the specification requires patented or otherwise controlled technology, then the set of implementations must demonstrate at least two independent, separate and successful uses of the licensing process.

There is a pending Patent that offers Reasonable and Non-Discriminatory License to All Implementers with Possible Royalty/Fee, however it hasn't constituted an issue for multiple independent implementations.

2. Normative References

[RFC6410] Housley, R., Crocker, D., and E. Burger, "Reducing the Standards Track to Two Maturity Levels", BCP 9, RFC 6410, DOI 10.17487/RFC6410, October 2011, <<https://www.rfc-editor.org/info/rfc6410>>.

[RFC7915] Bao, C., Li, X., Baker, F., Anderson, T., and F. Gont,
"IP/ICMP Translation Algorithm", RFC 7915,
DOI 10.17487/RFC7915, June 2016,
<<https://www.rfc-editor.org/info/rfc7915>>.

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